

Annual Progress Report

Kharif Maize

2017



All India Coordinated Research Project on Maize

ICAR-Indian Institute of Maize Research

PAU Campus, Ludhiana-141004, India

iimr.icar.gov.in



Annual Maize Workshop-2017 MPUAT Udaipur



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ICAR-IIMR and AICRP on Maize

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BREEDING

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Summary of Breeding Trials, AICRP Kharif 2017

The entire maize growing area in India is divided in five major zones [Northern Hill Zone (NHZ), North West Plain Zone (NWPZ), North East Plain Zone (NEPZ), Peninsular Zone (PZ) and Central West Zone (CWZ)] for effective evaluation of the maize breeding materials and experimental cultivars. The details of maize growing states included in these zones are given below:

Zone	State(s)
Northern Hill Zone (NHZ)	Jammu and Kashmir, Himachal Pradesh, Uttarakhand (Hill region), North Eastern Hill Regions (Meghalaya, Sikkim, Assam, Tripura, Nagaland, Manipur, Arunachal Pradesh)
North West Plain Zone (NWPZ)	Punjab, Haryana, Delhi, Uttarakhand (Plain), Uttar Pradesh (Western region)
North East Plain Zone (NEPZ)	Bihar, Jharkhand, Odisha, Uttar Pradesh (Eastern region), West Bengal
Peninsular Zone (PZ)	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu, Telangana
Central West Zone (CWZ)	Rajasthan, Madhya Pradesh, Chhattisgarh, Gujarat

During *Kharif* 2017, 375 maize entries were evaluated in all India coordinated trials. Of 375 entries, 212 entries were evaluated in national initial varietal trial (NIVT), 47 in advance varietal trial-I (AVT-I), 8 in advance varietal trial-II (AVT-II), 38 entries in quality protein maize (QPM), and 34 in specialty corns trials (10 in baby corn, 11 in sweet corn, and 13 in popcorn trials), 6 in rainfed late, 19 Medium, and 7 in early and 4 in OPV. Of total entries received, 273 were contributed from public and 102 by the private sector. Seventeen breeding trials (three each of NIVT, AVT-I, AVT-II, and specialty corns and one each in QPM, OPV, Rainfed late, medium, and early) were constituted for evaluation at 57 locations (34 regular and 23 volunteers) across country. Data received from was reviewed and analyzed critically for yield and related traits. The performance of each variety was

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compared with 31 relevant checks varieties of different types and maturity. The test entries were promoted from first year (NIVT) to second year (AVT-I) and second year to third year on the bases of criteria given below:

- i) Promotion criteria (Yield): Entries must be numerically superior over the best check and should have non-significant differences in yield from the best entry (rank 1st) of the trial at CD ($P=0.05$)
- ii) In early and medium trials, besides yield, the test entry should not exceed the relevant best check by 2.0 days in days to 50% anthesis
- iii) The disease reaction of test entries to the diseases of zonal/regional importance was considered while promotion
- iv) In specialty corn, besides yield, the quality parameters were also considered while promotion e.g. (QPM: % Trp ≥ 0.6 ; SC: TSS $\geq 15\%$; PC: Popping % age $\geq 80\%$), (Note: all quality parameters were analyze in self (TSS, Popping %) and chain crossed (Lys, Trp) kernels
- v) In QPM, all entries were compared with the best check except for NHZ (Zone1) where the test entries found to be early based on days to 50% anthesis criteria was compared with VIVEK QPM 9.

If C.V. value found more than 20% for a trial in any of location of NWPZ, NEPZ, PZ and more than 30% for location of NHZ and CWZ, then the data of those trials were rejected from the final analysis. Similarly, if trial mean is falling below state average yield of the year then the same location has been rejected from the analysis.

The details of checks used and number of coordinated varietal trials conducted under All India Coordinated Research project (AICRP) on Maize Improvement during *Kharif* 2017 are given below:

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Detail numbers of test entries and checks evaluated in 17 different AICRP-breeding Trials during Kharif 2017:

Trial	Entries	Checks varieties	Mode of operation
NIVT-Late Maturity	81	BIO 9682,CMH08-287,CMH 08-282	Across zones
NIVT-Medium Maturity	97	CMH08-292,BIO,9544, DHM 121	Across zones
NIVT-Early Maturity	34	BIO605 PMH5,DKC7074, Vivek Hybrid 51, Vivek Hybrid 45	Across zones
AVT-I-Late Maturity	19	BIO 9682, CMH 08-287, CMH 08-282	Zone specific
AVT-I-Medium Maturity	20	CMH08-292,BIO,9544, DHM 121,	Zone specific
AVT-I-Early Maturity	8	BIO605,PMH5,DKC7074, Vivek Hybrid 51, Vivek Hybrid 45	Zone specific
AVT-II-Late Maturity	2	PMH1, Seed Tech 2324, Bio 9681	Zone specific
AVT-II-Medium Maturity	3	PMH4, Bio 9637,	Zone specific
AVT-II Early Maturity	3	PMH 5,Prakash	Zone specific
QPM 1-2-3	38	HQPM1,HQPM4,HQPM5,HQPM7, Vivek QPM9, Vivek Hybrid-27, APQH-9	Across zones
Popcorn-1-2-3	13	VL Amber Popcorn	Across zones
Sweet Corn-1-2-3	11	Madhuri, Misthi, Priya, WOSC	Across zones
Baby Corn-1	10	HM4	Across zones
Rainfed trials-Late	6	Bio9682,CMH08-287,CMH 08-282,	PZ, CWZ
Rainfed trials-Medium	19	CMH08-292,BIO,9544, DHM 121,	PZ
Rainfed trials-Early	7	BIO605,PMH5,DKC7074,Prakash	PZ
OPV	4	Vijay,Hemant	NHZ
Total	375		

Details of trials allotted to various testing centers:

Total of 57 locations (34 regulars and 23 volunteer) were identified for evaluation of seventeen different breeding trials. The detail of trials allotted to various test centers during *Kharif* 2017 is given below:

S. No.	Center	University	Center Type	Tot. Trials allotted
1	Almora	VPKAS, Almora	Regular	10
2	Bajaura	HPKVV, Bajaura	Regular	10
3	Barapani	NEH, Barapani	Regular	9
4	Kangra	HPKVV. Kangra	Regular	9
5	Udhampur	SKUAST, Udhampur	Regular	5
6	Sirinagar	SKUAST, Srinagar	Regular	2
7	Gossaigaon	AAU, Jorhat	Regular	5
8	Imphal	CAU), Iroisemba, Imphal	Regular	8
9	Dhaulakuan	HAR&EC,Dhaulakuan	Voluntary	2
10	Poonch	Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu , Poonch	Voluntary	2
11	Rajauri	Agriculture Research Station Rajouri (RARS) SKUAST-J & K	Voluntary	2
12	Delhi	IARI	Regular	4
13	Ludhiana	PAU, Ludhiana	Regular	9
14	Karnal	CCSHAU, Uchani, Karnal	Regular	10
15	Kanpur	CSAUAT, Kanpur	Regular	9

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16	Panthnagar	GBPUAT, PantNagar	Regular	15
17	Aligarh	Zonal Agriculture Research Station, Kalai Aligarh, Uttar Pradesh.	Voluntary	2
18	Kapurthala	Regional Research Station, PAU, Kapurthala, Punjab	Voluntary	2
19	Dholi	RAU, Dholi	Regular	8
20	Ranchi	BAU, Ranchi	Regular	7
21	Bhubneshwar	OUAT, Bhubaneshwar	Regular	7
22	Varanasi	BHU, Varanasi	Regular	7
23	Bahraich	NDUAT, Bahraich	Regular	7
24	Sabour	Bihar Agriculture University, Sabour, Bhagalpur	Regular	7
25	Kalyani	BCKV, Kalyani	Regular	7
26	Koraput	High Altitude Research Centre, Pottangi, Koraput, Odisha	Voluntary	2
27	Hyderabad	ANGRAU, Hyderabad	Regular	10
28	Sehgal Foundation ICRISAT	ICRISAT Campus, Hyderabad	Voluntary	3
29	Karimnagar	ANGRAU, Karimnagar	Regular	16
30	VRDC KSSC Dharwad	UAS, Dharward	Voluntary	3
31	Kolhapur	MPKV, Kolhapur	Regular	16
32	Dharwad	UAS, Dharward	Regular	10
33	Mandya	UAS, Mandya	Regular	10

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34	Vagarai	TNAU, Coimbatore, (Vagarai)	Regular	12
35	Coimbatore	TNAU, Coimbatore	Regular	11
36	Rahuri	Mahatma Phule Krishi Vidyapeeth, Rahuri, Tal Rahuri	Regular	10
37	Almel	Agricultural Research Station, Bijapur Karnataka	Voluntary	3
38	ARS Belavatagi	Belvatagi,UAS Dharwad	Voluntary	3
39	Dhule	Agriculture research station, Agricultural college Dhule	Voluntary	3
40	Parbhani	Marathwada krishi vidyapeeth, Parbhani (Maharashtra)	Voluntary	3
41	Niphad Nasik	Agriculture Research Station, Niphad District Nasik	Voluntary	3
42	ARS Devihosur	Agricultural Research Station, Mhanamanamatti- Karnataka	Voluntary	9
43	Arbhavi	Agricultural Research Station, Arbhavi, Gokak	Voluntary	3
44	Udaipur	MPUAT, Udaipur	Regular	16
45	Banswara	MPUAT, Banswara	Regular	16
46	Chindwara	JNKVV, Chhindwara	Regular	16
47	Ambikapur	IGKVV, Ambikapur	Regular	10
48	Godhara	AAU, Anand/Godhra	Regular	16
49	Jhabua	RVSKVV, Jhabua	Regular	6
50	Bhiloda	Maize Research Station,S.D. Agricultural University, Bhiloda- (Gujarat)	Voluntary	10

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51	AAR Dahod	Hillmett, Research Station, AAU, Farm Dahod	Voluntary	3
52	Raipur	College of Agriculture, Krishak Nagar, Raipur (CG),	Voluntary	3
53	RARS Ujjain	Regional Agricultural Research Station, Ujjain, M.P.	Voluntary	3
54	ZARS, Indore	College of Agriculture, Zonal Agriculture Research Station, Indore, M.P.	Voluntary	3
55	ARS Kota	Agricultural Research Station, Ummedganj Kota, Raj	Voluntary	3
56	Jagadapur	SG College of Agriculture and Research Station, Kumharawand, Jagadapur (CG)	Voluntary	3
57	Chittarkoot	Mahatma Gandhi Chitrakoot Gramodya Vishwavidyalay, Chitrakoot, Satna	Voluntary	3
		Total		402

The different breeding trials were organized at 11 test locations in NHZ, 7 in NWPZ, 8 in NEPZ, 17 in PZ and 14 test locations in CWZ. All entries were tested under three maturity group viz., late, medium, and early (extra early clubbed with early). The success rate of NEPZ for reporting of trials is low. The details of success rate in reporting the data from each zone is given below:

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Zone(s)	Centers	Trials allotted	Trials Reported	Percent Success
NHZ	Srinagar, Almora, Bajaura, Barapani, Kangra, Gossaingaon, Udhampur, Poonch, Dhaulakuan, Rajauri, Imphal,	64	43	67.2
NWPZ	Ludhiana, Karnal, Delhi, Kanpur, Pantnagar, Aligarh, Kapurthala	47	38	80.9
NEPZ	Dholi, Ranchi, Bhubaneswar, Varanasi, Bahraich, Sabour, Kalyani, Koraput,	52	33	63.5
PZ	Arabhavi, Mandya, Karimnagar, Shegal Fou, Hyderabad, Coimbatore, Vagarai, Kolhapur, Dharwad, VRDCKSSC, Devihosur, Almel, Belavatagi, Dhule, Parbhani, Nasik, Rahuri,	128	94	73.4
CWZ	Udaipur, Banswara, Chindwara, Ambikapur, Godhra, Jabhua, Bhiloda, Dahod, Raipur, Jagadapur, Ujjain, Indore, Kota, chittarkoot,	111	73	65.8
Overall		402	281	69.9

Table No. 1: Trial No. 61 (NIVT-Late Maturity)		Yield (Kg/ha)																							
Sl. No.	Entry Name	Zone-II (NWPZ)								Zone-III(NEPZ)															
		Karnal		Ludhiana		Pantnagar		Zone2		Baharaich		Bhubaneswar		Dholi		Kalyani		Ranchi		Sabour		Varanasi		Zone3	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	14561-010-04-01-03-3-2	3010	82	.	.	5984	82	.	.	.	.	4015	82	2705	80	7145	71	-1404	82	.	.	.	.	.	.
2	16402-008-03-03	2906	83	1610	83	5516	83	3511	82	.	.	3874	83	2474	83	7635	57	.	.	.	.	.	.	.	.
3	20637-009-03-02	2817	84	3343	82	679	84	2304	83	5387	34	3404	84	2125	84	6689	78	.	.	2202	48	.	.	.	.
4	ADV 1390064	6748	67	7592	38	11118	21	8532	39	4015	68	6450	12	2635	81	8854	8	5036	16	1372	62	6533	19	6060	32
5	ADV 1390164	7879	26	10423	2	13331	1	10321	1	4656	53	6112	36	4148	33	8424	20	4238	39	1794	54	7502	8	6331	20
6	AH-1608	7354	44	7731	35	10975	24	8636	35	5643	27	6391	16	4550	19	8153	33	3085	67	456	73	5846	34	6211	27
7	AH-1645	8396	7	8391	21	9709	60	8755	29	6571	15	5010	73	4234	31	7720	51	3174	65	5372	3	6275	26	5757	48
8	AH-8183	8049	21	7098	43	10067	48	8177	48	5881	23	6159	30	4761	15	8858	7	3806	48	365	75	7731	6	6643	8
9	AMH-15119	6100	78	5449	71	9286	67	6976	74	4564	57	5560	56	3325	68	8292	26	4947	17	1427	60	5443	50	5781	45
10	AYN716443	6166	77	8306	23	10854	26	8386	43	5501	32	5278	67	3791	48	6765	77	4311	34	5153	5	5357	53	5280	71
11	B-57	8122	18	8322	22	10839	29	9170	15	4254	64	6592	10	4096	35	7524	62	4870	19	3262	22	5113	62	5662	53
12	BH 415017	6910	62	9780	6	10084	47	8851	25	6024	20	5459	59	3833	46	8823	9	4299	35	2997	29	5459	49	5953	37
13	BIO 218	7810	28	11009	1	11504	13	10152	2	31240	1	6561	11	5178	9	8224	28	5284	10	2021	49	6006	31	6718	5
14	CCH 2829	8375	8	7321	42	9617	62	8374	44	5532	31	4850	77	3999	36	7965	41	3697	52	1842	51	5006	66	5310	70
15	CMH 14-714	7336	46	4635	78	8144	80	6944	75	4145	65	5688	51	3262	71	8982	5	3552	57	1212	64	4671	69	5651	54
16	CMH 14-720	7271	50	6392	60	8950	75	7627	66	2566	81	5668	52	3639	53	8567	16	2815	73	1485	59	5511	47	5967	35
17	CMH 14-721	6940	59	6347	61	10004	50	7778	61	4417	61	4642	78	3368	66	7005	73	2623	76	1398	61	5259	55	5013	80
18	CMH 15-005	7802	29	8020	27	10843	28	9058	22	7298	7	5939	40	3849	44	8688	10	5131	12	3872	13	6593	18	6420	16
19	CP 777	7984	23	6748	49	12469	4	9097	19	5317	36	6388	17	3064	74	6491	83	3356	61	.	.	5720	40	5536	60
20	CP 858	8400	6	7972	28	12537	3	9454	9	4667	52	7636	1	5546	5	9139	3	4572	28	3868	14	5131	60	6882	2
21	DAS-MH-114	8706	2	7937	29	11974	7	9382	11	4920	44	6735	6	3295	69	8161	31	5846	7	2983	30	7152	12	6343	18
22	DAS-MH-115	7742	32	10027	4	10887	25	9555	7	3859	72	6600	9	3991	37	7392	65	3838	47	3797	16	6458	21	6231	26
23	DKC 9182 (IR8513)	6795	66	9210	13	11281	15	8931	24	5629	28	6190	28	3115	72	8907	6	4189	40	3330	20	6925	13	6118	30
24	DKC 9185 (IR8449)	7858	27	9276	12	10487	37	9155	16	2425	82	6302	23	5818	3	7676	54	3342	62	2773	35	6476	20	6697	7
25	DKC9189 (IR8545)	7562	36	5529	70	10600	32	8134	50	2992	79	6343	20	4465	22	8287	27	4272	38	453	74	6893	14	6618	10
26	GH 160131	5381	81	5549	69	9332	64	6563	80	3584	77	4929	74	3608	54	7500	63	4079	41	1763	56	4181	77	4983	81
27	GH 160224	8019	22	4879	76	10481	38	7784	60	4322	62	5024	72	3840	45	7611	60	3019	69	683	71	5850	33	5466	63
28	GH-1301	7290	49	8036	26	9310	65	8143	49	6556	16	5489	58	3429	65	6487	84	3650	55	1621	57	5822	37	5103	76
29	GIN-04	7897	25	7531	39	11015	22	8824	26	5496	33	6293	24	4586	17	6584	81	4773	22	3549	19	6154	27	5759	47
30	GK 3211	8287	11	6658	56	11670	12	8749	31	4857	46	6383	19	4686	16	8644	12	4577	27	4328	9	5242	57	6342	19
31	HT 17169	7189	52	9080	15	12460	6	9744	3	7528	6	5395	63	4552	18	7378	66	4833	20	2463	41	5030	65	5828	43

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Table No. 1: Trial No. 61 (NIVT-Late Maturity)		Yield (Kg/ha)																							
Sl. No.	Entry Name	Zone-II (NWPZ)								Zone-III(NEPZ)															
		Karnal		Ludhiana		Pantnagar		Zone2		Baharaich		Bhubaneswar		Dholi		Kalyani		Ranchi		Sabour		Varanasi		Zone3	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
32	IIMRNH 1701	8260	13	5607	68	10847	27	8233	46	4774	48	6992	3	3334	67	7778	49	2803	74	3080	26	5512	46	5987	34
33	IIMRNH 1703	7343	45	5178	74	7551	81	6780	77	4884	45	5315	65	4850	14	7712	53	3970	44	705	69	4099	78	5445	64
34	IIMRNH 1704	7742	31	7086	44	8958	74	7951	54	5559	29	5451	61	3565	57	8334	22	3664	54	-760	81	6028	30	5713	52
35	IIMRNH 1705	7483	38	7605	37	11135	19	8540	38	3625	76	6077	38	4376	25	8190	30	6188	3	3113	25	6432	23	6232	25
36	IMHBG-17K-20	7676	34	7790	32	10237	43	8509	41	4427	60	6320	21	3017	76	7719	52	4647	24	2855	33	5256	56	5604	56
37	IMHBG-17K-23	8311	9	6715	54	10536	34	8523	40	3987	69	5691	50	3901	41	7623	58	3970	43	949	67	5161	58	5512	61
38	IMHBG-17K-24	8688	4	6962	45	10274	42	8644	33	5254	38	5791	47	4521	20	8641	13	6224	2	3577	17	4640	70	5915	39
39	IMHBG-17K-25	8140	16	6801	48	10746	30	8601	36	2747	80	5606	54	4304	27	8293	25	4768	23	2998	28	6287	25	6028	33
40	JH 13336	8130	17	6850	47	9281	68	8116	51	5672	25	5924	42	5854	2	8297	24	2747	75	2303	46	5838	35	6262	24
41	JH 13346	7128	54	9308	11	11390	14	9265	14	5997	21	6145	33	4926	13	7881	46	4078	42	4721	7	6433	22	6288	22
42	JH 16031	7467	40	6731	52	9797	57	8094	52	6971	12	6695	7	5155	10	8507	18	4643	25	3212	24	6125	28	6847	3
43	JH 16034	7931	24	7873	30	10363	41	8774	28	6277	17	6150	32	5505	6	7955	43	4385	33	4226	10	5707	41	6205	28
44	JH 16040	7364	43	9965	5	12464	5	9741	4	4633	54	5902	45	4283	29	8207	29	4548	30	4486	8	7502	9	6411	17
45	JH 16041	8695	3	9688	7	9736	59	9370	12	7189	8	5256	68	5952	1	8016	39	5443	8	4775	6	7440	10	6699	6
46	JH 16046	7646	35	8197	24	10086	46	8641	34	6748	14	6079	37	3534	58	7958	42	4385	32	1056	66	6096	29	5740	49
47	JH 16054	8587	5	8854	17	9484	63	9047	23	8176	3	6404	15	3802	47	7740	50	3791	49	5885	2	5802	38	6175	29
48	JH 16081	6935	60	10217	3	11159	18	9424	10	4264	63	6125	35	5588	4	8160	32	7064	1	3933	11	5936	32	6514	14
49	JH 16118	7506	37	8409	20	10234	44	8716	32	6044	19	6611	8	5094	11	7618	59	5886	5	3566	18	6656	15	6606	11
50	JH 16209	7729	33	7754	33	10507	36	8565	37	6831	13	7182	2	4950	12	8045	38	3564	56	2657	37	7781	4	7005	1
51	JKMH 150375	8167	14	7681	36	10976	23	9104	18	5229	39	6871	5	2889	79	6661	79	5071	14	2640	38	5835	36	5571	57
52	KH-2193	7220	51	6410	59	11128	20	8238	45	3229	78	6152	31	3519	60	9615	1	2051	81	2422	43	5728	39	6298	21
53	KMH 463	7474	39	9448	9	10454	39	9072	20	5266	37	6257	25	3889	43	9068	4	3323	63	703	70	3609	79	5718	51
54	KNMH-4410	6911	61	6585	58	9918	52	7837	59	5080	40	4523	81	3697	52	7673	55	3025	68	2638	39	5509	48	5411	67
55	KNMH-4513	6581	73	5317	72	9135	70	7155	73	5655	26	5034	71	4454	23	7665	56	5983	4	2623	40	4997	67	5562	58
56	MAH-2014-19	8300	10	5225	73	9301	66	7638	65	4473	58	5190	69	3569	55	8591	15	2864	72	1830	52	7246	11	6105	31
57	MAH-2014-3	6654	70	6009	65	9980	51	7606	67	8127	4	5566	55	3971	38	6812	75	4931	18	1966	50	5537	45	5793	44
58	MFH 16-21	5757	80	3805	81	9815	55	6616	79	7087	11	4856	76	3525	59	6592	80	2952	71	-180	79	4851	68	5070	78
59	MFH 16-22	8146	15	5705	67	9063	72	7653	64	4577	56	4533	80	4501	21	7490	64	3665	53	1829	53	3447	80	5171	74
60	NMH-4530	7084	55	7413	41	9852	54	8183	47	4832	47	5138	70	3566	56	8638	14	3873	46	850	68	5400	51	5617	55
61	NS 8282	7167	53	4836	77	9073	71	7165	72	5544	30	4564	79	3911	39	7193	70	2423	77	1525	58	5155	59	5146	75
62	OMH16-1	6399	75	4454	79	9017	73	6659	78	3869	71	5698	49	3897	42	8298	23	4606	26	3892	12	4479	72	5561	59

Table No. 1: Trial No. 61 (NIVT-Late Maturity)		Yield (Kg/ha)																							
Sl. No.	Entry Name	Zone-II (NWPZ)								Zone-III (NEPZ)															
		Karnal		Ludhiana		Pantnagar		Zone2		Baharaich		Bhubaneswar		Dholi		Kalyani		Ranchi		Sabour		Varanasi		Zone3	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
63	OMH16-2	6616	72	6023	64	10528	35	7571	69	4677	50	6408	13	3480	61	7988	40	3451	59	78	78	4556	71	5434	66
64	OMH16-3	7385	42	6735	50	8861	76	7843	58	6179	18	5457	60	3455	63	9506	2	5090	13	3797	15	6618	17	6278	23
65	PM17101L	8092	20	9676	8	11224	16	9727	5	7144	10	6134	34	4424	24	8140	34	2090	80	6822	1	7810	3	6537	13
66	PM17104L	7789	30	8471	19	10622	31	8809	27	5802	24	5915	44	4119	34	7377	67	4815	21	2753	36	5657	44	5771	46
67	PM17105L	8791	1	8949	16	11189	17	9515	8	4606	55	6223	27	3904	40	8676	11	3420	60	3234	23	4182	76	5734	50
68	PM17106L	6961	58	5963	66	9800	56	7712	62	4428	59	5626	53	3697	51	7253	68	4473	31	2425	42	3308	81	5058	79
69	QMH-1347	6636	71	7464	40	10030	49	7944	55	4958	43	5339	64	3470	62	7129	72	3269	64	3273	21	4297	75	5093	77
70	QMH-1353	6340	76	6671	55	10445	40	7874	56	4977	42	5285	66	3431	64	8056	37	3729	51	262	76	4458	73	5171	73
71	QMH-1420	6801	65	6058	63	9858	53	7527	70	5915	22	5921	43	3081	73	8097	35	3007	70	-417	80	5116	61	5379	68
72	REH 2015-7	6529	74	4906	75	9189	69	6819	76	4122	66	6032	39	3718	50	6990	74	3162	66	1147	65	5070	63	5347	69
73	Rasi-2432	7300	48	9376	10	10110	45	9140	17	7669	5	6167	29	5475	7	7918	44	4277	37	2851	34	6360	24	6639	9
74	Rasi-3499	6966	57	8090	25	11767	8	8754	30	3835	74	5927	41	5212	8	8385	21	5175	11	2246	47	7772	5	6750	4
75	SVMH-66	6896	64	6732	51	12683	2	8488	42	5033	41	6384	18	2586	82	7533	61	5066	15	2935	32	5395	52	5443	65
76	Super-1818	8101	19	9182	14	11753	10	9659	6	4676	51	6404	14	3044	75	8528	17	5407	9	2391	44	5670	43	5963	36
77	TA 5084	7047	56	6609	57	10553	33	8081	53	4774	49	6316	22	2894	78	7878	47	3881	45	1781	55	6625	16	5900	40
78	TMMH 2840	6655	69	6728	53	9690	61	7604	68	3849	73	4917	75	2907	77	8082	36	2205	79	1286	63	7626	7	5859	41
79	TS 2505	7434	41	6285	62	9789	58	7872	57	4092	67	5543	57	4253	30	8432	19	3740	50	522	72	5275	54	5924	38
80	VEH-17-1	5954	79	4061	80	8425	78	6398	81	3804	75	5405	62	3277	70	7221	69	2365	78	235	77	5042	64	5204	72
81	VNR-35379	7325	47	6881	46	8238	79	7483	71	8884	2	5816	46	3744	49	7840	48	4291	36	2945	31	5704	42	5841	42
82	CMH 08-282 (C)	6719	68	7740	34	8732	77	7707	63	7176	9	6226	26	4327	26	7884	45	3453	58	3047	27	8042	2	6546	12
83	CMH 08-287 (C)	8281	12	7808	31	11761	9	9270	13	3895	70	6987	4	4201	32	6502	82	5861	6	2323	45	8117	1	6491	15
84	BIO 9682 (C)	6906	63	8535	18	11698	11	9069	21	5350	35	5781	48	4296	28	6769	76	4569	29	5358	4	4450	74	5479	62
	Location Mean	7277	.	7332	.	10133	.	8249	.	5507	.	5806	.	3978	.	7902	.	4078	.	2542	.	5775	.	5874	.
	CV (%)	12.3	.	16.0	.	17.0	.	15.8	.	56.1	.	14.1	.	19.9	.	13.6	.	30.4	.	71.4	.	19.6	.	16.1	.
	F (Prob)	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.29	.	0.00	.	0.13	.	0.04	.	0.00	.
	CD (5%)	1440	.	1890	.	2776	.	1308	.	4996	.	1326	.	1279	.	1737	.	2002	.	2940	.	1847	.	861	.
	CD (1%)	1903	.	2498	.	3668	.	1722	.	6603	.	1752	.	1690	.	2294	.	2646	.	3891	.	2458	.	1133	.

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Table No. 1: (Contd.)		Yield (Kg/ha)																											
Sl. No.	Entry Name	Zone-IV(PZ)																Zone-V(CWZ)										All India	
		Coimbatore		Hyderabad		Karimnagar		Kolhapur		Mandya		Rahuri		Vagarai		Zone4		Ambikapur		Banswara		Chindwara		Udaipur		Zone5		Mean	R
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	14561-010-04-01-03-3-2	1143	84	1122	82	1044	83	1887	84	581	84	1313	83	3974	84	1730	84	-293	84	2513	80	429	82	425	84	401	84	.	.
2	16402-008-03-03	1796	82	495	84	1258	82	2158	83	885	83	1496	82	4237	82	2016	83	606	82	1152	83	310	84	1107	82	719	82	.	.
3	20637-009-03-02	1573	83	512	83	915	84	4254	82	1792	82	811	84	4036	83	2086	82	-159	83	830	84	404	83	521	83	418	83	.	.
4	ADV 1390064	13682	1	7845	22	7465	18	8052	54	10771	10	10059	20	10623	2	10174	4	6209	52	5047	20	8895	25	3174	61	6223	40	8104	19
5	ADV 1390164	10948	20	9810	1	8178	7	9331	25	10455	17	7805	73	10562	4	9715	12	8724	13	4299	39	8618	33	4109	19	7077	20	8484	4
6	AH-1608	7905	71	5887	67	5283	46	10481	11	8032	60	8571	61	7868	70	8101	62	6303	50	4290	42	7780	45	3555	40	6030	45	7349	51
7	AH-1645	8466	67	7514	29	3730	64	8563	41	8766	48	9862	22	7224	75	8308	53	7321	37	4058	52	7899	40	3936	28	6170	42	7342	52
8	AH-8183	11081	16	7170	39	2792	78	8255	50	9049	42	8948	51	8317	61	8668	44	5535	63	3882	61	7375	55	3449	48	5465	61	7471	46
9	AMH-15119	8617	62	6429	54	6853	28	8595	40	7299	73	11220	5	8910	43	8594	46	3788	79	4297	40	7800	43	2787	76	4808	70	6877	63
10	AYN716443	10711	25	9614	3	7511	17	9013	31	8876	45	10504	13	8328	60	9429	22	6760	47	4695	27	9351	20	4359	8	6832	27	7712	35
11	B-57	11232	14	7361	35	8609	6	8170	51	10352	19	10659	9	9270	34	9575	20	8037	20	3692	64	6731	66	3954	27	6147	43	7867	31
12	BH 415017	9965	34	7644	24	7065	25	7710	58	9654	31	7781	75	8289	63	8493	48	8172	19	3953	59	9372	19	4235	10	7224	17	7686	36
13	BIO 218	13147	2	8656	13	9969	3	13106	1	10899	8	10875	7	9671	17	10971	1	10199	4	6669	3	10296	4	3307	53	7965	1	9201	1
14	CCH 2829	11519	10	6357	57	2467	79	6963	70	10512	15	9695	29	9393	26	9005	38	7342	35	4437	34	7378	54	2759	78	5886	48	7382	50
15	CMH 14-714	7481	76	5370	75	5369	45	7533	62	7888	64	8350	65	7183	76	7312	77	5146	67	2541	79	6838	64	3011	70	5035	67	6405	75
16	CMH 14-720	9763	42	5218	77	3153	75	9775	18	7531	69	8543	62	7035	78	8050	65	6052	54	3515	69	8737	32	2900	72	5975	46	7065	56
17	CMH 14-721	8705	61	6890	42	3574	69	7874	56	8420	55	7518	78	8677	51	7912	69	6077	53	4916	22	7528	50	3237	57	5607	55	6734	67
18	CMH 15-005	10568	29	7567	27	4421	57	9387	24	10944	6	10109	18	9766	14	9693	16	5718	57	3970	57	9497	16	3473	45	6339	39	8140	15
19	CP 777	11868	8	8733	10	7409	19	7054	69	10792	9	10549	12	9194	35	9596	18	7091	44	2037	81	7232	59	3460	46	5807	52	7777	33
20	CP 858	10742	23	8593	14	4887	52	8079	53	10383	18	9155	44	10064	7	9395	23	10276	2	4998	21	7464	53	3474	44	6918	25	8306	13
21	DAS-MH-114	10576	27	6073	66	9453	4	7707	59	11333	5	11341	4	9466	23	9302	30	7711	26	6899	2	9554	14	3780	34	6781	32	8095	20
22	DAS-MH-115	9853	37	9031	7	7795	12	10949	7	9777	29	9850	24	9609	19	9909	7	7144	41	4606	31	9086	24	3482	43	6677	34	8322	12
23	DKC 9182 (IR8513)	11981	6	8727	11	7790	13	6656	73	11408	3	9637	34	10056	8	9786	9	7536	30	4129	49	10485	2	4099	21	7438	11	8267	14
24	DKC 9185 (IR8449)	12451	4	8763	9	8889	5	12677	3	11617	2	9437	38	10943	1	10963	2	9854	5	3904	60	9625	13	3774	35	7910	3	8997	2
25	DKC9189 (IR8545)	9135	50	8130	17	5072	48	8114	52	10163	23	9053	47	9898	11	9261	33	7598	27	4270	44	8859	26	4206	13	7074	21	7986	27
26	GH 160131	7894	72	6450	53	6171	33	6266	76	7346	71	8247	68	8433	58	7473	74	4250	76	3575	67	5709	75	3229	58	4241	77	6059	78
27	GH 160224	10000	33	6856	45	4545	55	8490	44	8198	58	7944	72	9028	39	8307	54	5629	62	4396	36	7677	46	3354	52	5342	62	6933	61
28	GH-1301	9485	47	7043	41	3491	70	8930	34	6646	78	9042	48	8292	62	8234	60	6246	51	3965	58	7346	56	2764	77	5483	60	6916	62
29	GIN-04	9866	36	9600	4	5851	35	8385	46	10520	14	9850	23	7913	69	9331	25	10254	3	5179	16	7055	62	4066	22	7046	22	7910	30
30	GK 3211	9460	48	9059	6	4210	59	9892	17	10472	16	9355	42	9342	29	9579	19	8709	14	4120	50	8285	38	3077	67	6550	36	8038	24
31	HT 17169	10965	19	8111	18	6808	29	9417	23	11377	4	9965	21	9422	25	9908	8	10353	1	5744	10	8763	30	4161	16	7708	6	8446	7

Table No. 1: (Contd.)		Yield (Kg/ha)																											
Sl. No.	Entry Name	Zone-IV(PZ)														Zone-V(CWZ)							All India						
		Coimbatore		Hyderabad		Karimnagar		Kolhapur		Mandya		Rahuri		Vagarai		Zone4		Ambikapur		Banswara		Chindwara		Udaipur		Zone5		Mean	R
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
32	IIMRNH 1701	6878	78	6260	59	3650	66	8429	45	6990	76	11986	1	8694	49	8082	63	5161	66	3700	63	6123	73	3255	56	4679	74	6945	60
33	IIMRNH 1703	9760	43	6189	62	5734	40	8330	49	7922	63	8598	59	8683	50	8321	51	5698	59	4033	54	5634	76	3173	62	4774	71	6642	71
34	IIMRNH 1704	10593	26	6843	46	2412	80	9453	22	7817	65	9427	39	8714	48	8901	39	7240	38	3370	70	7859	41	3081	66	6108	44	7398	48
35	IIMRNH 1705	11120	15	5635	72	2363	81	6375	75	8765	49	8132	70	9828	12	8379	49	7576	29	2852	77	10171	5	4357	9	7277	15	7654	39
36	IMHBG-17K-20	11058	17	7756	23	5399	43	8778	37	8719	51	8586	60	8801	44	8900	40	5717	58	4657	30	9843	10	4392	6	6468	37	7538	44
37	IMHBG-17K-23	6581	80	6145	63	3930	62	9003	32	8327	56	8782	55	9035	38	7879	71	7008	46	4557	32	7201	60	3303	54	5703	53	6995	58
38	IMHBG-17K-24	6654	79	7465	31	7584	16	10282	13	9528	34	8846	53	7814	71	8283	55	6366	48	4774	25	7014	63	3229	59	5487	59	7239	54
39	IMHBG-17K-25	9581	45	5597	73	7137	24	10942	8	9891	28	9694	30	9817	13	9279	32	5065	68	3294	71	7591	49	4133	17	5645	54	7658	38
40	JH 13336	11377	13	6096	64	4181	61	10652	10	9658	30	10552	11	9349	28	9714	13	8449	18	6241	4	10050	8	3515	41	7371	13	8106	18
41	JH 13346	11016	18	7607	25	5804	38	10132	14	8729	50	10636	10	9953	9	9607	17	9537	8	6179	7	10153	6	4117	18	7926	2	8399	9
42	JH 16031	9043	54	7507	30	5397	44	9498	21	9506	35	10329	16	9588	22	9307	29	7476	32	4171	47	9251	22	3623	37	6797	29	7996	26
43	JH 16034	9080	52	7214	37	5683	41	8526	42	8219	57	7702	76	9035	37	8355	50	7879	23	5238	15	8800	28	3391	50	6795	30	7606	41
44	JH 16040	11880	7	6595	51	5745	39	10960	6	9638	32	9707	28	9731	16	9712	14	8864	12	4666	29	10134	7	4099	20	7562	8	8477	5
45	JH 16041	9767	41	6861	43	7797	11	7085	67	8599	53	8674	58	8788	45	8260	59	8527	16	4385	38	7857	42	3870	30	6793	31	7807	32
46	JH 16046	9838	38	6546	52	4918	51	9248	26	7259	74	10495	14	8989	41	8636	45	7753	25	5303	13	8753	31	3598	39	6639	35	7537	45
47	JH 16054	9940	35	6270	58	6524	30	11463	4	10340	21	8994	50	8959	42	9244	34	7486	31	5498	12	8854	27	4409	4	7037	23	8042	23
48	JH 16081	10569	28	7531	28	7182	22	9159	29	9467	36	9063	46	9950	10	9321	28	8523	17	4677	28	10400	3	4600	3	7865	5	8366	10
49	JH 16118	9015	55	6842	47	6897	27	7371	64	8835	47	7784	74	9428	24	8282	56	8695	15	3265	72	9469	17	4008	26	7279	14	7748	34
50	JH 16209	8867	58	7930	20	5999	34	8839	35	9451	37	9650	33	8390	59	8866	41	7953	21	4447	33	9978	9	4398	5	7253	16	8029	25
51	JKMH 150375	12241	5	6861	44	4208	60	13053	2	10053	24	11784	2	8476	57	10543	3	9827	7	4170	48	8769	29	3608	38	7425	12	8442	8
52	KH-2193	9045	53	7435	33	6386	31	9247	27	10601	13	9578	37	10181	6	9331	26	5857	56	3248	73	7790	44	3457	47	5583	56	7660	37
53	KMH 463	10906	21	8791	8	10350	2	8957	33	10047	25	8261	67	9605	21	9292	31	7099	43	6015	9	9672	11	4044	24	6912	26	7916	29
54	KNMH-4410	8918	57	6678	50	7702	14	7851	57	7018	75	7537	77	6405	80	7399	76	5663	61	5115	17	5839	74	2830	75	4752	72	6489	74
55	KNMH-4513	7972	70	6834	48	7587	15	6945	71	8003	61	9601	36	5888	81	7624	73	5669	60	2860	76	6755	65	4036	25	5537	58	6629	72
56	MAH-2014-19	7576	74	6209	61	5813	37	6224	78	9596	33	9691	31	7302	74	7757	72	4078	78	2628	78	6614	69	2855	74	4509	75	6712	68
57	MAH-2014-3	9822	39	8132	16	5453	42	8512	43	9024	43	8882	52	10322	5	9058	37	6025	55	5107	18	7499	51	3825	32	5862	49	7384	49
58	MFH 16-21	7561	75	2010	81	3296	74	6227	77	6365	80	8489	63	8577	56	6611	80	4519	72	4222	46	5395	78	2151	81	4140	79	5770	80
59	MFH 16-22	7591	73	5364	76	2831	77	6390	74	8048	59	8731	57	7553	73	7410	75	5237	65	3987	56	7310	57	3291	55	5283	64	6495	73
60	NMH-4530	9540	46	6719	49	4595	54	7057	68	7979	62	9620	35	8146	66	8313	52	7056	45	4869	24	7647	48	4225	11	6214	41	7208	55
61	NS 8282	8539	64	6243	60	4497	56	8353	47	7524	70	8780	56	8156	65	7957	68	4233	77	3786	62	4318	81	3147	64	4066	80	6386	76
62	OMH16-1	8534	65	4520	78	3628	68	8762	38	6807	77	6052	81	7763	72	7034	78	3553	80	3996	55	6446	70	2918	71	4332	76	6091	77

Table No. 1: (Contd.)		Yield (Kg/ha)																											
Sl. No.	Entry Name	Zone-IV(PZ)																Zone-V(CWZ)										All India	
		Coimbatore		Hyderabad		Karimnagar		Kolhapur		Mandya		Rahuri		Vagarai		Zone4		Ambikapur		Banswara		Chindwara		Udaipur		Zone5		Mean	R
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
63	OMH16-2	10290	30	5700	71	3872	63	6752	72	8569	54	8822	54	9317	30	8282	57	4492	73	4077	51	8196	39	3363	51	5324	63	6874	64
64	OMH16-3	8732	60	7239	36	3364	73	8755	39	9357	39	9358	41	9040	36	8723	43	7447	33	5251	14	6692	67	3170	63	5851	50	7417	47
65	PM17101L	11506	11	7165	40	8119	8	11181	5	10928	7	10200	17	9605	20	10074	5	9234	11	6225	5	9535	15	5008	1	7882	4	8712	3
66	PM17104L	11416	12	8530	15	7156	23	9105	30	11937	1	9762	27	8590	54	9699	15	7851	24	6059	8	9400	18	4201	14	7139	19	8077	21
67	PM17105L	12788	3	7412	34	6945	26	9195	28	10043	26	10447	15	9752	15	9924	6	7189	40	4228	45	8470	36	3855	31	6398	38	8131	16
68	PM17106L	8456	68	7171	38	3483	71	7093	66	7335	72	9170	43	8781	46	8080	64	4750	71	5061	19	6643	68	3217	60	4909	69	6662	70
69	QMH-1347	9104	51	5559	74	2870	76	8788	36	9395	38	10083	19	8163	64	8506	47	6306	49	4278	43	7468	52	3909	29	5921	47	7065	57
70	QMH-1353	8924	56	5701	70	5067	49	7633	60	7673	67	8108	71	8626	52	7897	70	4484	74	4394	37	6209	72	3643	36	4969	68	6668	69
71	QMH-1420	8493	66	7596	26	4831	53	8344	48	7600	68	9036	49	8992	40	8273	58	5478	64	4294	41	7142	61	3092	65	5191	65	6828	65
72	REH 2015-7	6573	81	3940	80	3642	67	6125	80	6409	79	8397	64	6922	79	6485	81	3317	81	1962	82	4489	80	2861	73	3611	81	5720	81
73	Rasi-2432	9661	44	9558	5	3462	72	10931	9	9937	27	9661	32	8584	55	9776	10	9296	10	7113	1	9269	21	3820	33	7578	7	8469	6
74	Rasi-3499	11657	9	9704	2	5137	47	7503	63	8893	44	10660	8	9301	32	9750	11	7597	28	5582	11	9646	12	4636	2	7215	18	8324	11
75	SVMH-66	9822	40	5803	68	4287	58	7902	55	8683	52	9841	25	10565	3	8759	42	7219	39	3608	66	7270	58	2532	80	5560	57	7269	53
76	Super-1818	8543	63	7890	21	12296	1	6012	81	10205	22	11593	3	9638	18	9060	36	9434	9	4737	26	8589	34	4220	12	7542	9	8119	17
77	TA 5084	7309	77	7996	19	5831	36	10053	15	7686	66	6359	80	9302	31	8031	66	4363	75	2881	75	7662	47	3428	49	5087	66	6956	59
78	TMMH 2840	8423	69	6410	55	7280	21	7584	61	9346	40	9130	45	8038	68	8002	67	4848	69	4038	53	6395	71	3022	69	4735	73	6783	66
79	TS 2505	10147	31	7461	32	7300	20	9894	16	10648	12	8314	66	9282	33	9325	27	7935	22	4873	23	5553	77	3512	42	5830	51	7556	42
80	VEH-17-1	8823	59	4100	79	4981	50	7217	65	6100	81	7239	79	7129	77	6846	79	4758	70	6186	6	4491	79	3027	68	4149	78	5848	79
81	VNR-35379	10778	22	6073	65	3726	65	9704	19	10740	11	10885	6	8143	67	9359	24	7140	42	4399	35	10526	1	2713	79	6807	28	7651	40
82	CMH 08-282 (C)	9190	49	5740	69	8018	9	6207	79	8841	46	9832	26	8733	47	8209	61	9850	6	3068	74	8541	35	4056	23	7452	10	7548	43
83	CMH 08-287 (C)	10729	24	6386	56	6185	32	10311	12	9303	41	8188	69	9350	27	9108	35	7337	36	3639	65	8327	37	4175	15	6736	33	8044	22
84	BIO 9682 (C)	10118	32	8694	12	8004	10	9525	20	10341	20	9421	40	8595	53	9504	21	7387	34	3548	68	9240	23	4388	7	6984	24	7943	28
	Location Mean	9463	.	6823	.	5573	.	8472	.	8827	.	9008	.	8707	.	8550	.	6694	.	4315	.	7785	.	3500	.	5991	.	7375	.
	CV (%)	12.5	.	19.7	.	22.5	.	18.0	.	14.0	.	18.8	.	11.3	.	15.8	.	15.3	.	30.5	.	14.4	.	16.6	.	15.7	.	16.1	.
	F (Prob)	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.
	CD (5%)	1909	.	2173	.	2025	.	2461	.	2000	.	2732	.	1595	.	933	.	1653	.	2123	.	1814	.	940	.	938	.	514	.
	CD (1%)	2522	.	2871	.	2676	.	3252	.	2643	.	3609	.	2107	.	1227	.	2184	.	2804	.	2396	.	1242	.	1234	.	676	.

Table No. 1: (Contd). Plant Stand('000/ha)													
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III(NEPZ)							
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	14561-010-04-01-03-3-2	59.1	55.8	33.3	49.4	62.8	71.0	59.7	68.9	66.6	.	.	.
2	16402-008-03-03	59.6	63.4	52.2	56.7	.	67.5	51.2	73.7	73.8	.	.	.
3	20637-009-03-02	60.0	71.5	23.8	51.4	67.8	69.7	51.3	65.5	72.8	52.6	.	.
4	ADV 1390064	59.8	78.9	60.4	67.2	63.0	71.5	56.5	68.4	74.5	47.7	66.1	66.3
5	ADV 1390164	59.6	87.8	62.7	66.8	61.2	68.6	56.9	72.1	69.4	37.9	67.4	66.2
6	AH-1608	59.1	75.5	63.0	65.6	74.0	75.9	60.5	68.0	70.8	40.0	67.9	69.4
7	AH-1645	59.3	73.2	61.5	64.7	69.5	67.3	62.7	60.9	72.9	76.0	61.6	66.3
8	AH-8183	59.6	72.4	54.1	59.9	66.4	69.3	62.8	73.1	65.9	23.5	68.1	67.0
9	AMH-15119	60.9	78.3	63.9	67.3	64.2	70.2	57.9	69.9	73.3	40.6	64.1	66.3
10	AYN716443	60.2	70.7	58.8	63.1	68.1	70.6	53.4	66.3	67.3	57.8	69.5	65.2
11	B-57	60.7	75.6	61.6	66.0	67.2	74.3	57.4	65.1	67.6	57.4	60.7	65.7
12	BH 415017	60.4	77.4	57.7	66.4	70.1	72.4	53.9	70.9	70.5	53.8	61.8	66.7
13	BIO 218	59.8	77.0	63.2	66.9	60.8	69.3	62.2	66.9	74.2	36.6	67.2	66.8
14	CCH 2829	59.3	77.9	56.3	65.4	65.6	68.8	60.6	74.7	78.8	42.5	60.8	67.9
15	CMH 14-714	59.0	74.9	60.3	65.6	66.2	73.1	58.1	68.3	75.3	62.2	64.9	67.4
16	CMH 14-720	60.1	70.5	60.1	64.2	67.5	70.9	59.4	69.9	72.9	60.7	62.4	67.4
17	CMH 14-721	60.4	78.5	60.6	67.4	68.9	68.2	56.3	67.2	75.5	45.1	68.8	68.0
18	CMH 15-005	61.8	77.3	54.0	64.7	67.1	72.3	63.6	60.5	74.1	67.2	60.8	66.9
19	CP 777	60.3	74.2	62.7	65.5	65.4	70.1	59.2	66.8	70.8	40.8	65.8	66.9
20	CP 858	60.1	71.4	58.5	61.8	67.9	73.4	55.8	69.8	68.2	63.8	63.8	66.9
21	DAS-MH-114	59.8	77.7	61.2	66.2	67.5	73.9	57.9	69.0	65.1	64.8	67.7	66.4
22	DAS-MH-115	60.1	76.1	62.1	66.3	65.6	70.9	59.1	72.7	69.9	79.5	71.9	67.6
23	DKC 9182 (IR8513)	60.5	82.6	64.7	68.1	66.3	69.7	58.4	66.8	76.4	64.9	70.2	67.5
24	DKC 9185 (IR8449)	59.9	84.0	62.1	66.7	66.7	71.9	62.4	68.7	70.7	56.3	65.9	68.0
25	DKC9189 (IR8545)	59.6	77.2	59.8	65.9	66.5	70.2	58.0	68.0	77.9	26.7	66.1	67.9
26	GH 160131	61.2	79.6	60.2	65.8	61.4	69.8	56.5	65.6	74.1	64.0	62.2	65.4
27	GH 160224	60.0	82.2	59.5	66.8	65.6	67.6	59.2	66.0	69.9	50.7	63.6	65.7
28	GH-1301	62.0	78.0	54.8	65.4	68.9	72.7	58.4	68.5	71.3	65.6	66.3	68.0
29	GIN-04	61.3	81.1	65.2	69.3	69.0	71.4	59.7	67.1	71.5	65.2	63.1	67.4
30	GK 3211	60.6	77.8	60.3	66.4	68.3	72.1	60.3	63.1	74.7	64.8	62.9	67.0
31	HT 17169	59.9	84.2	65.1	69.5	70.0	70.8	58.8	67.4	69.4	60.4	64.5	67.2

BR-16

Table No. 1: (Contd). Plant Stand('000/ha)													
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III(NEPZ)							
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
32	IIMRNH 1701	60.4	78.6	65.6	67.8	64.3	72.4	59.8	64.6	69.8	60.7	67.1	66.4
33	IIMRNH 1703	60.1	78.0	58.5	65.1	65.4	71.4	61.4	69.6	73.7	35.4	66.4	68.1
34	IIMRNH 1704	61.5	68.6	55.2	63.8	63.4	72.1	54.9	68.0	70.6	14.6	69.9	66.3
35	IIMRNH 1705	60.8	72.9	60.7	63.8	66.3	72.7	55.3	70.8	79.1	58.6	63.8	68.2
36	IMHBG-17K-20	60.3	78.4	53.0	63.3	66.6	75.9	57.6	64.1	73.6	60.6	65.1	67.0
37	IMHBG-17K-23	59.6	76.6	58.2	64.8	65.4	70.3	57.7	69.5	77.4	49.4	66.6	68.5
38	IMHBG-17K-24	61.0	72.1	60.0	64.8	62.0	72.4	62.4	66.0	73.6	66.0	62.2	66.3
39	IMHBG-17K-25	60.4	75.8	62.6	66.8	68.7	73.8	62.1	68.9	73.5	59.8	68.6	68.8
40	JH 13336	61.4	68.4	63.4	64.9	67.9	71.2	60.2	65.5	73.7	62.9	65.5	67.4
41	JH 13346	60.4	78.5	60.3	67.7	66.5	70.3	59.2	72.5	68.6	77.7	64.3	66.7
42	JH 16031	61.2	80.3	60.5	67.2	69.9	74.2	62.9	70.7	73.9	53.0	62.0	69.7
43	JH 16034	60.4	75.2	62.5	65.2	67.0	74.2	58.3	70.7	69.8	59.7	63.8	66.6
44	JH 16040	62.3	84.7	42.5	62.6	68.4	73.9	53.8	62.5	74.2	62.6	69.2	67.0
45	JH 16041	60.3	77.6	54.1	64.3	67.7	69.9	64.0	67.0	72.6	81.8	65.1	67.1
46	JH 16046	59.5	80.3	62.8	66.5	63.8	69.8	60.8	72.5	73.6	42.5	63.9	67.1
47	JH 16054	59.3	72.7	55.5	62.9	70.8	70.0	63.2	64.9	67.8	71.2	65.8	66.7
48	JH 16081	59.0	77.6	61.7	66.3	62.2	74.3	56.4	65.4	74.1	60.9	65.2	66.1
49	JH 16118	59.6	70.1	60.6	63.5	67.5	72.2	60.3	67.5	65.8	48.7	67.3	67.0
50	JH 16209	59.9	65.3	56.0	59.6	64.9	71.5	63.2	65.7	68.2	57.4	65.8	66.3
51	JKMH 150375	58.9	75.2	62.3	66.5	68.4	71.6	58.2	73.4	72.2	62.0	68.6	68.9
52	KH-2193	60.6	78.4	60.6	67.6	67.4	73.3	54.9	66.1	66.1	42.6	68.0	65.7
53	KMH 463	59.8	81.0	56.2	66.5	67.1	71.5	55.5	68.4	72.2	33.5	64.1	66.0
54	KNMH-4410	61.2	76.3	58.5	64.8	67.2	67.3	61.5	68.6	70.9	59.6	67.9	67.5
55	KNMH-4513	61.5	75.1	62.6	66.9	69.8	71.3	56.6	69.3	80.8	51.0	65.7	68.6
56	MAH-2014-19	60.8	73.1	56.5	65.2	66.4	72.5	56.9	63.9	78.0	51.3	67.9	67.5
57	MAH-2014-3	60.1	72.0	58.2	63.5	65.8	68.4	62.9	68.7	70.9	50.5	66.1	67.1
58	MFH 16-21	59.5	70.5	61.8	65.2	64.7	69.7	61.5	63.9	73.8	45.4	64.2	66.9
59	MFH 16-22	59.5	76.6	60.8	65.8	70.4	71.3	57.4	71.1	70.8	46.4	65.6	67.8
60	NMH-4530	60.9	75.0	60.7	65.5	69.5	68.0	55.0	69.7	70.0	43.9	62.9	66.4
61	NS 8282	58.3	75.5	52.6	63.2	69.0	69.8	59.2	70.1	72.8	59.9	64.2	67.5
62	OMH16-1	59.3	78.9	52.8	64.2	69.1	69.3	55.3	75.9	81.0	72.8	63.9	68.5

Table No. 1: (Contd).		Plant Stand('000/ha)											
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III(NEPZ)							
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
63	OMH16-2	60.2	83.0	63.4	68.2	63.1	73.4	58.0	71.2	69.6	26.2	60.2	65.2
64	OMH16-3	60.6	77.5	57.5	66.0	67.3	69.0	56.9	59.3	68.5	65.4	63.9	64.2
65	PM17101L	60.0	82.6	59.3	67.5	65.4	71.6	58.5	65.6	70.8	91.7	62.8	66.7
66	PM17104L	61.3	79.3	61.4	67.7	66.4	71.0	62.9	66.2	75.3	69.5	72.4	68.1
67	PM17105L	59.5	75.6	57.7	64.0	66.6	71.6	57.6	68.4	74.1	65.2	62.3	67.4
68	PM17106L	59.0	74.3	54.6	63.2	65.8	70.2	57.0	63.8	72.7	49.0	66.9	65.7
69	QMH-1347	59.6	76.5	58.7	64.8	69.7	71.1	62.6	67.7	71.4	65.5	66.0	67.8
70	QMH-1353	59.7	78.8	61.9	66.5	67.7	71.4	60.7	71.8	66.7	37.2	61.1	66.8
71	QMH-1420	60.7	81.7	63.3	67.4	68.4	73.1	57.8	71.8	70.2	24.8	63.8	67.9
72	REH 2015-7	62.4	71.2	59.7	64.4	68.4	74.5	58.8	65.8	74.7	39.4	69.9	68.3
73	Rasi-2432	59.1	82.0	64.1	68.9	66.9	70.9	63.2	74.2	73.6	72.9	64.2	68.4
74	Rasi-3499	61.7	77.6	61.2	66.3	68.0	73.8	60.4	71.4	75.1	50.1	66.2	69.3
75	SVMH-66	59.1	76.1	67.6	65.1	69.3	68.8	55.3	65.5	72.7	63.0	63.8	66.7
76	Super-1818	58.9	78.4	58.1	64.8	68.4	72.9	60.5	63.6	77.2	64.0	64.1	68.1
77	TA 5084	59.0	73.1	59.4	63.9	68.7	72.3	59.6	68.9	73.4	41.5	64.1	67.2
78	TMMH 2840	59.1	56.4	47.4	53.6	67.8	69.4	54.0	68.2	67.7	34.1	66.3	65.5
79	TS 2505	60.4	80.9	56.2	65.7	61.6	71.8	59.0	69.8	82.1	30.7	63.9	68.2
80	VEH-17-1	60.7	75.6	57.3	65.4	67.1	70.2	60.6	62.9	68.3	54.3	66.1	66.6
81	VNR-35379	58.0	72.1	47.3	59.1	64.4	71.3	60.2	64.5	67.2	65.1	64.5	65.4
82	CMH 08-282 (C)	60.3	69.8	56.5	62.2	65.7	69.6	55.1	64.3	72.8	57.1	61.9	65.4
83	CMH 08-287 (C)	60.5	71.5	60.9	65.4	69.7	73.0	58.3	71.3	70.3	40.2	67.7	67.9
84	BIO 9682 (C)	58.7	79.8	59.9	66.6	66.2	72.5	55.9	71.4	73.8	82.9	70.1	68.3
	Location Mean	60.1	76.1	58.6	64.9	66.8	71.3	58.6	68.0	72.3	55.4	65.3	67.1
	CV (%)	2.4	7.4	13.4	8.7	5.8	4.8	6.9	8.0	7.3	38.4	4.7	6.5
	F (Prob)	0.52	0.00	0.03	1.00	0.56	0.87	0.05	0.62	0.28	0.61	0.21	1.00
	CD (5%)	2.3	9.1	12.7	5.3	6.2	5.5	6.5	8.7	8.5	34.4	5.0	3.0
	CD (1%)	3.0	12.0	16.8	7.0	8.2	7.2	8.6	11.5	11.3	45.5	6.7	4.0

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Table No. 1: (Contd).		Plant Stand('000/ha)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India Mean
		Coimbatore Mean	Hyderabad Mean	Karimnagar Mean	Kolhapur Mean	Mandya Mean	Rahuri Mean	Vagarai Mean	Zone4 Mean	Ambikapur Mean	Banswara Mean	Chindwara Mean	Udaipur Mean	Zone5 Mean	
1	14561-010-04-01-03-3-2	41.0	41.8	72.0	40.1	72.0	36.8	52.0	50.7	41.4	37.8	55.4	61.9	48.5	.
2	16402-008-03-03	41.8	43.7	74.3	50.4	64.2	49.5	57.3	54.9	44.8	38.8	53.8	60.4	49.2	.
3	20637-009-03-02	42.9	31.9	71.5	45.2	64.8	47.0	60.8	52.1	40.8	0.1	55.1	62.8	39.9	.
4	ADV 1390064	66.1	68.3	75.4	49.5	69.8	66.6	79.2	67.8	59.9	52.3	65.6	67.9	62.3	66.1
5	ADV 1390164	64.3	75.0	75.9	52.5	75.7	61.4	77.1	68.7	67.3	62.2	58.2	68.0	63.1	66.7
6	AH-1608	63.9	61.2	81.7	63.4	74.0	62.0	71.4	68.2	62.4	56.8	68.0	69.3	63.5	67.3
7	AH-1645	63.5	61.1	79.0	54.4	67.0	59.5	65.1	63.8	63.8	54.9	53.4	66.2	59.5	63.8
8	AH-8183	64.7	64.2	83.5	48.3	63.6	65.8	71.9	65.8	58.8	65.8	63.1	67.6	62.7	64.8
9	AMH-15119	64.0	69.8	73.1	53.2	67.9	60.9	73.2	66.7	50.8	59.3	66.5	66.4	61.4	65.7
10	AYN716443	66.2	65.9	76.0	47.3	72.0	64.2	73.3	66.2	61.0	57.7	63.5	68.3	61.2	64.6
11	B-57	63.9	67.1	69.2	49.6	72.4	60.6	74.6	65.3	65.3	59.6	63.1	66.5	63.0	65.1
12	BH 415017	60.2	69.4	83.5	51.3	67.0	63.6	66.9	65.6	67.6	58.0	63.4	64.5	64.0	65.6
13	BIO 218	64.6	70.4	73.4	59.9	71.0	67.1	75.5	68.9	68.0	58.2	68.2	67.2	66.1	67.4
14	CCH 2829	64.0	59.5	76.7	39.0	71.6	63.3	77.5	64.0	67.5	54.2	68.7	67.8	64.7	65.4
15	CMH 14-714	62.0	56.2	76.6	44.4	75.1	62.4	68.9	63.2	56.9	56.0	65.5	67.0	62.7	64.6
16	CMH 14-720	63.6	57.5	75.0	58.7	69.3	59.9	67.7	64.9	63.4	53.9	66.9	68.1	63.4	65.2
17	CMH 14-721	66.3	63.6	72.8	48.3	70.8	61.4	76.8	65.8	60.9	57.3	67.3	66.7	62.5	66.1
18	CMH 15-005	66.8	56.7	70.2	51.0	69.1	66.4	78.9	65.4	61.5	56.3	67.4	67.5	64.1	65.4
19	CP 777	66.6	74.1	76.6	48.5	69.6	63.2	79.2	68.0	63.9	54.5	62.2	66.1	62.4	66.0
20	CP 858	63.6	65.8	83.5	40.4	67.7	61.6	77.8	65.5	71.7	64.3	61.1	68.6	66.0	65.5
21	DAS-MH-114	65.3	58.1	80.2	49.0	70.1	66.3	75.2	66.1	65.2	58.8	63.7	66.8	63.5	65.7
22	DAS-MH-115	64.9	73.0	77.8	52.7	73.9	65.4	78.7	69.7	63.4	58.0	56.7	68.3	61.4	67.0
23	DKC 9182 (IR8513)	66.5	62.8	77.3	43.6	71.6	61.3	81.5	66.4	65.1	65.7	67.8	67.5	64.4	66.8
24	DKC 9185 (IR8449)	66.4	69.5	83.9	58.9	74.0	62.4	81.9	71.1	70.1	56.2	66.9	67.6	65.9	68.5
25	DKC9189 (IR8545)	65.7	57.6	79.5	46.2	70.4	62.6	74.3	65.4	63.9	56.7	67.3	66.3	64.4	66.0
26	GH 160131	65.6	69.0	82.3	37.7	62.6	63.1	77.7	65.9	49.0	65.2	68.6	66.0	60.4	64.8
27	GH 160224	66.1	66.9	78.9	52.5	68.2	62.1	78.0	67.1	58.5	51.3	68.2	68.9	61.6	65.5
28	GH-1301	63.7	74.5	73.1	56.4	69.6	65.5	71.5	68.0	62.3	56.2	66.6	68.2	63.9	66.7
29	GIN-04	64.2	78.1	73.5	54.9	71.6	61.6	70.8	67.7	74.5	53.1	67.1	66.8	65.4	67.3
30	GK 3211	64.5	72.1	76.3	52.4	67.7	57.8	76.9	67.2	69.1	60.6	63.9	67.1	65.3	66.7
31	HT 17169	65.8	69.9	82.3	47.4	74.0	63.5	82.1	69.6	72.0	56.7	68.3	66.4	65.4	68.1

Table No. 1: (Contd).		Plant Stand('000/ha)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
32	IIMRNH 1701	62.7	66.6	73.7	52.4	72.6	63.4	74.1	66.4	58.3	57.0	67.3	67.9	62.1	65.8
33	IIMRNH 1703	63.0	65.2	74.8	53.2	66.9	62.6	76.5	66.5	60.0	58.7	66.3	65.7	62.5	66.0
34	IIMRNH 1704	64.0	63.4	74.8	62.3	71.6	64.3	75.6	68.3	63.9	58.4	65.1	67.0	64.5	66.2
35	IIMRNH 1705	64.7	44.6	78.6	33.0	66.2	61.4	80.9	61.0	63.1	39.9	68.2	68.4	59.1	63.2
36	IMHBG-17K-20	65.8	74.2	80.8	49.2	64.6	62.9	74.2	66.7	58.8	55.0	61.8	68.9	61.9	65.2
37	IMHBG-17K-23	65.3	61.0	77.8	53.3	74.2	61.4	75.3	67.3	61.6	58.5	63.7	66.9	63.2	66.4
38	IMHBG-17K-24	62.1	66.4	70.2	53.4	65.9	61.4	68.4	64.0	60.2	56.5	66.6	68.5	62.4	64.5
39	IMHBG-17K-25	62.5	62.0	79.6	56.1	70.4	62.1	82.7	67.7	54.7	51.9	66.2	66.5	60.9	66.5
40	JH 13336	66.3	70.0	75.6	53.8	73.0	59.8	77.4	68.2	67.2	56.5	66.5	65.7	65.0	66.8
41	JH 13346	66.0	67.5	74.6	58.3	65.5	62.8	77.2	67.4	72.0	59.7	63.6	68.7	65.5	66.9
42	JH 16031	65.3	72.5	83.1	50.9	75.0	64.0	78.3	69.7	69.2	58.2	66.8	66.9	65.5	68.4
43	JH 16034	66.7	61.1	81.4	51.4	68.4	64.7	76.8	67.2	68.9	58.6	67.3	68.2	65.1	66.4
44	JH 16040	64.3	68.4	76.7	52.7	64.1	60.7	81.3	66.6	69.0	55.1	68.5	68.9	65.3	65.8
45	JH 16041	61.6	67.2	78.4	43.1	70.9	61.1	72.5	65.2	68.3	63.2	67.2	65.7	65.3	65.7
46	JH 16046	65.1	69.7	80.6	58.6	71.9	64.7	79.5	69.8	63.0	63.1	66.5	66.8	64.1	67.4
47	JH 16054	63.0	66.1	82.2	57.7	71.1	65.0	68.2	67.5	65.0	56.9	64.0	67.5	64.0	65.8
48	JH 16081	63.2	63.4	76.2	50.6	66.2	63.6	79.0	66.3	67.2	57.0	68.5	67.6	65.1	66.1
49	JH 16118	63.8	66.1	71.6	41.7	74.5	60.3	77.7	65.3	69.0	54.6	62.2	66.4	62.7	65.0
50	JH 16209	64.5	70.8	77.5	45.9	67.7	62.1	61.9	64.4	63.8	52.2	65.5	66.6	61.6	63.8
51	JKMH 150375	66.1	63.7	79.2	56.0	70.4	63.0	72.9	67.9	71.3	56.3	66.7	66.4	65.0	67.4
52	KH-2193	64.0	67.3	80.7	53.0	74.5	62.4	77.2	68.1	60.5	54.1	66.7	68.0	62.5	66.1
53	KMH 463	63.9	70.1	75.8	51.4	71.5	63.4	78.4	67.0	65.5	58.9	62.1	68.0	64.0	65.9
54	KNMH-4410	64.4	61.7	77.0	50.5	70.3	62.8	55.9	62.9	59.8	55.0	65.8	67.6	62.3	64.4
55	KNMH-4513	64.6	67.3	81.4	50.6	70.3	64.6	51.7	64.5	61.4	58.9	62.9	68.1	63.7	65.9
56	MAH-2014-19	63.7	60.0	80.9	53.8	67.4	63.6	64.7	65.3	52.1	57.3	66.9	66.8	61.4	65.1
57	MAH-2014-3	64.1	70.1	72.8	48.4	67.3	62.6	78.8	66.5	59.0	58.6	61.4	67.6	61.7	65.2
58	MFH 16-21	64.3	57.5	75.6	55.1	71.2	66.5	74.3	66.8	56.4	55.4	67.9	65.8	61.7	65.5
59	MFH 16-22	63.2	58.7	78.6	45.9	71.9	64.8	74.5	65.8	59.8	55.7	67.5	69.3	63.7	66.0
60	NMH-4530	64.5	68.6	80.3	40.4	71.6	65.2	73.8	66.2	63.4	66.9	66.1	66.8	64.1	65.8
61	NS 8282	62.1	66.0	81.1	49.0	67.8	63.5	69.6	65.2	58.4	53.7	66.5	66.6	62.6	64.9
62	OMH16-1	62.3	67.0	79.0	59.6	74.7	62.1	70.7	67.6	55.1	56.2	63.7	66.9	60.7	65.9

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Table No. 1: (Contd).		Plant Stand('000/ha)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
63	OMH16-2	65.2	65.7	75.0	43.0	70.3	62.3	69.9	65.2	54.2	62.5	62.6	66.8	60.8	64.9
64	OMH16-3	63.9	70.5	70.9	53.1	67.8	64.4	72.3	66.1	64.8	58.2	60.1	68.5	63.4	64.9
65	PM17101L	67.7	61.1	79.3	55.5	74.0	57.7	78.8	67.7	68.6	48.1	68.0	68.1	63.2	66.4
66	PM17104L	63.8	71.9	73.8	55.6	69.4	64.2	75.5	67.2	66.3	64.0	67.8	67.5	65.7	67.2
67	PM17105L	64.4	62.9	80.7	47.5	70.8	63.2	78.1	66.2	65.1	50.6	62.8	68.2	62.3	65.3
68	PM17106L	65.8	68.1	78.1	49.5	70.2	63.5	73.3	66.9	55.5	58.1	67.9	66.3	62.3	65.0
69	QMH-1347	62.9	59.1	78.2	55.3	72.2	65.8	69.9	66.3	63.0	55.4	65.5	66.4	62.4	65.8
70	QMH-1353	67.0	65.7	79.8	50.0	69.0	64.5	75.4	67.7	56.3	59.8	68.5	66.3	62.5	66.3
71	QMH-1420	62.1	64.6	77.7	54.7	68.6	66.3	76.6	67.1	59.9	61.9	65.1	67.5	64.1	66.8
72	REH 2015-7	62.2	66.7	78.9	56.6	66.9	60.5	63.9	65.6	52.4	35.1	63.5	67.3	54.9	64.2
73	Rasi-2432	65.1	66.6	76.4	52.4	68.1	68.0	73.1	67.2	70.5	62.3	69.2	67.6	66.9	67.8
74	Rasi-3499	63.6	75.6	76.6	47.9	69.4	63.8	77.9	67.7	64.7	64.3	64.9	68.5	64.5	67.4
75	SVMH-66	66.3	61.4	78.0	48.1	69.5	62.2	79.3	66.3	66.2	63.6	66.8	66.6	64.2	65.9
76	Super-1818	65.8	69.7	77.9	50.0	69.3	62.0	78.3	67.7	69.1	54.7	62.8	67.3	65.0	66.8
77	TA 5084	61.1	67.6	78.1	59.6	68.2	61.4	76.1	66.7	54.8	53.8	64.9	66.3	60.0	65.0
78	TMMH 2840	64.5	67.2	74.8	55.0	68.2	62.7	73.3	66.6	60.4	60.2	63.0	67.8	63.1	63.7
79	TS 2505	65.7	59.4	76.2	55.1	72.6	62.8	80.4	67.1	66.1	52.5	67.1	66.6	63.9	66.5
80	VEH-17-1	62.9	70.4	73.3	56.4	74.0	62.8	68.4	67.1	58.7	57.8	67.5	67.8	63.0	65.8
81	VNR-35379	64.1	38.0	73.4	47.3	64.6	62.8	69.4	60.5	63.2	60.6	64.3	68.1	64.0	62.5
82	CMH 08-282 (C)	64.1	57.1	73.9	46.1	69.4	60.5	74.9	63.4	70.3	42.8	61.8	67.7	59.6	63.1
83	CMH 08-287 (C)	64.7	43.5	76.7	55.3	72.6	65.1	73.2	64.9	62.3	50.9	62.8	68.4	62.7	65.4
84	BIO 9682 (C)	69.3	72.1	75.6	53.7	74.1	63.7	72.4	68.9	64.3	55.8	66.3	67.6	63.5	67.3
	Location Mean	63.7	64.3	77.2	51.0	70.0	62.4	73.6	66.0	62.3	56.1	64.9	67.1	62.6	65.5
	CV (%)	4.3	11.1	6.0	16.0	6.2	5.0	9.6	8.6	6.6	15.4	7.0	2.1	8.6	8.0
	F (Prob)	0.00	0.00	0.05	0.22	0.11	0.00	0.00	1.00	0.00	0.00	0.03	0.00	1.00	1.00
	CD (5%)	4.4	11.6	7.5	13.2	7.0	5.0	11.4	3.6	6.6	13.9	7.4	2.3	4.4	2.0
	CD (1%)	5.8	15.3	9.9	17.4	9.3	6.6	15.0	4.8	8.7	18.4	9.8	3.1	5.8	2.6

Table No. 1: (Contd).		Shelling(%)												
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III(NEPZ)								
		Karnal Mean	Ludhiana Mean	Pantnagar Mean	Zone2 Mean	Baharaich Mean	Bhubaneswar Mean	Dholi Mean	Kalyani Mean	Ranchi Mean	Sabour Mean	Varanasi Mean	Zone3 Mean	
1	14561-010-04-01-03-3-2	81.1	78.5	85.0	81.3	.	80.2	70.0	71.7	85.7	.	.	.	
2	16402-008-03-03	80.4	77.6	72.7	77.1	.	79.2	72.1	81.2	.	.	.	.
3	20637-009-03-02	81.1	78.2	69.1	76.0	75.8	77.9	75.4	65.1	.	79.8	.	.	
4	ADV 1390064	80.1	86.2	86.9	84.6	71.4	79.6	74.4	83.1	83.2	78.9	79.9	80.3	
5	ADV 1390164	81.1	88.2	89.7	86.0	71.1	82.0	74.2	83.5	75.5	79.8	88.2	79.6	
6	AH-1608	82.2	81.0	80.5	81.6	77.6	79.9	81.0	77.6	82.2	68.6	75.7	76.4	
7	AH-1645	82.8	85.0	84.4	84.0	76.4	78.9	79.5	79.4	87.4	77.2	79.5	79.5	
8	AH-8183	81.1	82.3	87.1	83.3	72.3	79.3	81.7	81.7	82.4	80.1	77.1	80.2	
9	AMH-15119	80.3	84.8	83.1	82.6	71.5	80.5	80.4	79.6	85.4	75.6	73.3	79.5	
10	AYN716443	80.6	83.5	85.3	83.3	76.4	79.0	73.7	75.7	85.9	85.6	74.3	79.3	
11	B-57	82.7	81.2	84.4	82.8	74.8	79.1	76.0	71.1	83.9	72.2	70.9	75.4	
12	BH 415017	81.6	85.9	86.4	84.8	75.7	79.7	77.9	81.4	84.4	77.6	76.8	79.6	
13	BIO 218	82.1	82.7	83.6	82.7	410.4	80.2	76.9	75.7	84.8	76.4	75.5	78.5	
14	CCH 2829	81.4	82.4	83.9	83.1	75.0	79.4	80.1	82.5	82.6	81.2	75.7	80.8	
15	CMH 14-714	81.6	82.1	84.4	82.4	73.9	81.1	75.0	82.1	81.4	74.7	76.4	79.1	
16	CMH 14-720	80.8	83.9	86.0	83.2	49.6	79.9	80.8	79.9	86.3	83.5	77.6	81.4	
17	CMH 14-721	81.3	80.9	80.8	81.5	73.0	79.4	75.4	76.6	83.7	72.3	78.3	77.9	
18	CMH 15-005	82.8	82.9	84.4	83.1	78.6	80.3	78.8	84.0	85.8	74.8	74.6	79.8	
19	CP 777	81.7	83.9	88.5	84.7	77.7	79.6	75.9	72.9	85.8	.	80.9	.	
20	CP 858	82.1	83.6	86.1	83.5	69.8	81.5	79.2	81.4	86.2	79.6	78.8	80.0	
21	DAS-MH-114	82.9	81.5	83.7	82.6	70.4	79.2	72.2	77.4	84.3	78.6	75.9	78.1	
22	DAS-MH-115	82.1	83.5	84.5	83.2	50.0	79.9	81.6	74.8	85.9	67.7	78.7	78.3	
23	DKC 9182 (IR8513)	82.4	83.5	85.4	83.2	75.6	79.5	78.4	81.0	85.0	80.3	80.3	81.2	
24	DKC 9185 (IR8449)	82.2	85.0	82.9	83.0	48.8	78.2	83.7	76.1	85.6	79.5	77.5	79.7	
25	DKC9189 (IR8545)	81.8	82.5	86.9	83.4	69.9	79.8	78.7	78.1	84.9	76.8	78.9	79.9	
26	GH 160131	79.7	80.7	83.5	81.2	72.5	80.6	76.7	72.8	81.4	79.3	75.5	77.9	
27	GH 160224	82.9	78.7	84.3	82.1	70.6	79.4	74.0	79.9	82.6	77.8	75.9	77.5	
28	GH-1301	81.8	81.8	82.2	82.4	81.9	80.8	73.6	68.7	84.0	78.0	75.9	76.5	
29	GIN-04	82.0	83.4	82.7	83.3	72.7	80.7	75.1	75.5	85.8	80.1	77.1	78.7	
30	GK 3211	82.4	86.0	88.5	85.5	73.1	80.7	78.5	82.5	84.5	81.5	78.4	80.6	
31	HT 17169	82.5	84.8	85.3	84.4	99.9	82.1	74.7	71.3	83.1	77.8	74.7	77.8	

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Table No. 1: (Contd).		Shelling(%)												
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III(NEPZ)								
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
32	IIMRNH 1701	81.8	80.3	81.7	80.8	71.5	79.7	75.7	75.8	82.9	77.1	69.6	76.7	
33	IIMRNH 1703	81.2	79.2	80.3	80.3	73.3	78.4	75.7	81.6	82.3	75.0	65.7	76.5	
34	IIMRNH 1704	81.8	82.0	83.6	83.0	73.2	80.8	73.4	74.1	83.9	77.0	77.0	78.3	
35	IIMRNH 1705	82.3	82.9	87.0	83.7	50.5	79.9	79.5	74.9	84.3	74.8	73.9	78.2	
36	IMHBG-17K-20	82.3	83.0	87.5	84.1	50.8	80.5	71.4	77.1	85.5	78.9	76.4	78.6	
37	IMHBG-17K-23	82.2	77.0	80.5	80.3	77.7	79.7	70.5	73.5	83.8	77.1	68.8	75.4	
38	IMHBG-17K-24	82.5	78.3	79.4	79.9	74.5	79.0	75.0	79.0	80.9	76.1	65.6	75.7	
39	IMHBG-17K-25	81.0	82.0	85.7	82.8	49.2	79.8	80.1	78.2	85.4	75.8	73.5	78.6	
40	JH 13336	82.3	78.4	78.0	80.0	74.2	79.2	80.5	80.8	81.0	70.0	66.9	76.1	
41	JH 13346	82.1	78.4	80.9	80.9	73.8	80.0	78.4	83.6	79.6	83.0	73.5	79.5	
42	JH 16031	81.0	82.2	83.4	81.9	76.6	80.4	78.3	79.7	83.2	81.5	73.8	79.1	
43	JH 16034	82.5	79.8	84.4	82.1	78.0	79.1	70.9	76.5	82.8	82.1	70.8	77.1	
44	JH 16040	81.0	80.7	87.1	83.3	71.9	79.6	73.3	83.8	85.4	79.2	77.1	78.5	
45	JH 16041	82.6	82.3	86.7	83.4	78.5	79.4	75.1	77.8	83.2	80.8	76.7	79.3	
46	JH 16046	82.6	83.2	86.1	83.5	76.3	78.6	78.9	80.9	86.0	79.9	77.0	79.6	
47	JH 16054	82.1	80.3	79.9	81.0	101.5	79.8	75.2	83.6	79.4	75.4	71.9	76.9	
48	JH 16081	82.0	81.2	84.2	82.5	72.4	80.2	81.9	77.0	86.0	74.1	77.7	78.7	
49	JH 16118	81.3	80.5	83.1	82.0	80.9	79.5	78.8	74.1	82.2	76.8	74.5	78.1	
50	JH 16209	81.7	80.2	87.0	83.1	77.5	79.8	76.9	80.9	82.5	75.2	73.0	78.2	
51	JKMH 150375	81.3	84.0	86.2	83.9	75.5	80.3	78.0	76.6	78.6	78.1	78.7	79.0	
52	KH-2193	81.0	82.6	88.2	84.0	69.4	79.8	71.1	81.3	79.6	78.3	76.8	78.3	
53	KMH 463	81.1	81.4	84.1	82.0	74.4	78.7	72.6	81.7	82.4	78.1	75.5	78.0	
54	KNMH-4410	80.4	84.5	85.0	83.5	75.7	80.8	74.0	77.2	82.9	69.4	79.3	77.1	
55	KNMH-4513	81.1	86.1	83.6	83.1	75.0	78.9	80.1	79.3	82.9	72.0	77.0	78.2	
56	MAH-2014-19	82.2	79.1	82.8	81.7	72.8	79.6	73.0	79.2	83.7	80.0	78.0	79.2	
57	MAH-2014-3	80.8	81.6	84.1	82.3	102.9	80.4	80.0	74.5	81.2	79.5	76.2	79.2	
58	MFH 16-21	79.9	82.1	84.0	82.6	101.1	80.7	77.2	73.2	81.5	79.4	76.9	78.6	
59	MFH 16-22	82.7	83.6	84.4	83.7	74.1	80.4	77.4	72.9	82.8	73.2	76.2	77.8	
60	NMH-4530	80.8	84.3	83.7	82.6	75.6	80.4	74.4	74.7	83.9	74.4	74.2	77.8	
61	NS 8282	80.9	83.3	83.6	82.6	75.9	80.0	76.2	73.4	83.6	73.2	81.5	78.2	
62	OMH16-1	80.6	80.1	83.4	80.7	71.2	79.0	76.7	76.9	79.6	74.2	72.3	76.1	

Table No. 1: (Contd).		Shelling(%)												
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III(NEPZ)								
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
63	OMH16-2	80.0	77.3	89.1	82.1	74.6	78.4	73.5	81.1	84.6	79.9	64.9	76.9	
64	OMH16-3	81.5	80.7	80.7	80.9	79.9	80.0	74.9	84.5	81.7	76.0	73.5	79.3	
65	PM17101L	81.5	82.8	84.8	83.5	79.4	81.0	73.6	83.4	74.9	80.8	81.5	79.0	
66	PM17104L	82.0	80.3	82.2	81.4	75.0	81.1	74.3	73.8	83.6	76.1	79.7	78.8	
67	PM17105L	81.9	81.7	85.1	82.9	71.8	80.3	76.6	86.9	80.0	75.5	78.6	79.0	
68	PM17106L	81.4	80.7	84.9	82.3	73.1	78.9	80.2	79.6	86.1	80.2	72.7	80.3	
69	QMH-1347	80.5	81.6	81.9	81.8	74.4	78.0	71.4	71.4	84.2	74.0	77.1	75.5	
70	QMH-1353	81.4	77.7	83.2	80.8	73.4	79.3	75.7	76.1	81.8	74.8	70.7	76.5	
71	QMH-1420	80.1	81.4	84.4	82.2	76.3	81.0	71.8	75.1	83.2	80.6	76.7	78.1	
72	REH 2015-7	80.1	83.0	83.3	82.1	71.6	80.2	73.1	76.5	81.2	76.2	81.6	78.1	
73	Rasi-2432	81.4	84.3	82.2	82.8	102.1	79.9	84.7	77.5	85.7	80.7	78.9	81.5	
74	Rasi-3499	81.0	84.7	89.3	84.8	71.4	79.3	78.3	75.1	84.7	79.3	77.3	79.7	
75	SVMH-66	81.5	81.9	86.7	83.2	73.4	82.0	67.9	72.9	82.1	71.3	71.9	74.7	
76	Super-1818	81.8	79.9	84.3	82.2	72.7	79.6	68.6	76.4	83.3	76.4	72.2	75.9	
77	TA 5084	82.0	81.1	82.3	81.5	72.2	78.7	75.0	75.5	83.4	78.1	77.7	77.8	
78	TMMH 2840	81.2	83.3	84.3	83.2	70.0	78.3	75.8	81.1	83.6	87.9	74.4	79.2	
79	TS 2505	81.7	81.5	82.6	81.9	70.7	81.1	79.7	78.8	78.3	76.5	72.0	77.5	
80	VEH-17-1	80.1	84.6	83.9	83.0	71.0	80.8	73.7	72.1	80.7	79.1	84.1	78.5	
81	VNR-35379	80.7	83.1	83.5	82.5	105.2	80.4	76.9	82.9	84.3	84.6	76.7	80.8	
82	CMH 08-282 (C)	80.7	82.9	79.2	81.0	76.9	79.6	77.6	78.4	84.6	81.6	76.3	80.5	
83	CMH 08-287 (C)	82.5	80.6	82.8	81.9	50.6	81.0	83.2	72.8	84.9	75.9	75.1	79.1	
84	BIO 9682 (C)	80.5	80.8	80.2	80.4	70.0	80.8	77.4	71.7	85.4	84.7	78.1	80.3	
	Location Mean	81.5	82.0	83.8	82.5	78.3	79.9	76.3	77.6	83.2	77.6	75.8	78.6	
	CV (%)	1.4	2.1	2.8	2.2	47.5	1.1	4.4	9.7	2.4	3.7	2.7	5.0	
	F (Prob)	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
	CD (5%)	1.9	2.8	3.8	1.7	60.1	1.4	5.4	12.1	3.3	4.6	3.4	2.7	
	CD (1%)	2.5	3.7	5.0	2.3	79.4	1.8	7.1	16.0	4.3	6.1	4.5	3.5	

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Table No. 1: (Contd).		Shelling(%)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	14561-010-04-01-03-3-2	81.1	64.5	75.7	81.6	75.1	82.4	76.6	76.9	69.4	67.2	75.1	82.6	73.3	.
2	16402-008-03-03	82.5	59.2	68.9	85.2	73.0	83.0	76.1	75.9	70.7	36.7	72.0	83.3	65.8	.
3	20637-009-03-02	78.3	64.7	61.7	81.8	72.8	82.4	75.7	74.2	70.5	2.1	81.6	83.1	58.7	.
4	ADV 1390064	80.5	80.1	79.8	82.7	81.0	87.6	80.8	81.9	78.1	72.3	81.6	82.4	79.1	81.3
5	ADV 1390164	81.3	77.2	79.2	90.2	82.2	88.7	81.4	82.6	79.2	76.7	90.0	82.7	81.7	82.0
6	AH-1608	80.0	69.6	82.3	83.1	79.7	83.8	77.0	79.4	78.8	72.2	82.1	82.9	79.2	78.8
7	AH-1645	80.7	76.4	79.9	86.4	77.6	85.3	76.7	80.1	79.0	70.4	85.1	82.5	79.4	80.4
8	AH-8183	81.0	71.8	79.4	81.8	77.7	85.5	79.1	79.7	79.3	77.8	77.3	83.0	79.2	80.3
9	AMH-15119	78.6	71.7	79.4	85.5	80.0	86.6	78.3	80.1	79.3	76.0	84.0	82.8	80.5	80.4
10	AYN716443	79.7	73.7	79.8	82.0	75.8	87.0	78.1	79.6	79.5	77.9	82.8	83.0	81.1	80.4
11	B-57	78.1	77.5	79.6	84.5	79.1	86.1	81.4	80.7	78.9	73.2	82.2	82.9	79.1	79.1
12	BH 415017	80.8	74.4	79.8	85.7	80.3	84.2	78.6	80.4	77.4	72.5	84.5	83.0	79.3	80.6
13	BIO 218	78.8	75.7	80.0	86.7	79.9	85.4	80.7	80.7	79.8	74.1	85.6	82.4	81.0	80.4
14	CCH 2829	79.2	73.1	80.9	85.1	78.8	85.4	78.8	80.2	80.1	77.0	83.8	83.0	81.3	81.0
15	CMH 14-714	80.3	72.4	81.0	76.1	79.5	83.1	77.7	78.8	79.0	72.4	81.2	82.6	78.9	79.4
16	CMH 14-720	80.4	72.2	82.7	91.5	80.2	86.2	79.4	81.5	77.8	70.8	86.2	82.3	80.2	81.5
17	CMH 14-721	77.6	73.4	79.9	83.3	79.2	82.3	78.9	79.2	79.0	78.7	79.1	82.6	80.4	79.4
18	CMH 15-005	78.5	74.0	79.4	84.8	78.4	84.6	81.7	80.3	78.4	70.8	84.9	83.3	79.4	80.4
19	CP 777	81.3	74.5	79.8	83.1	80.5	88.3	79.3	80.8	78.6	74.9	84.5	83.1	80.1	.
20	CP 858	82.0	73.8	79.3	85.9	78.2	84.7	81.1	80.3	80.5	78.5	87.8	83.0	82.3	81.1
21	DAS-MH-114	76.2	74.0	79.9	81.4	78.5	85.4	79.9	79.3	80.1	75.2	87.1	83.0	81.4	79.9
22	DAS-MH-115	77.8	71.3	80.1	87.1	78.3	87.0	79.0	80.1	78.9	71.7	83.6	82.8	79.7	79.9
23	DKC 9182 (IR8513)	80.8	75.9	79.0	87.5	78.8	87.3	81.7	81.8	78.9	80.8	87.5	82.5	80.9	81.6
24	DKC 9185 (IR8449)	81.1	76.8	78.2	88.5	78.0	84.7	81.9	81.3	79.1	74.6	78.4	83.4	79.3	80.7
25	DKC9189 (IR8545)	79.2	70.7	79.6	86.9	77.6	84.1	81.7	80.5	79.2	77.5	85.8	82.8	81.2	80.9
26	GH 160131	81.0	71.2	78.8	87.0	80.4	82.4	77.8	79.8	78.3	79.2	87.1	82.9	80.7	79.6
27	GH 160224	79.6	71.6	79.0	82.1	78.7	86.2	77.7	78.9	77.7	74.2	86.7	82.9	80.5	79.3
28	GH-1301	79.7	75.4	73.7	87.8	78.1	85.5	80.0	80.0	78.2	74.3	84.3	83.3	80.2	79.4
29	GIN-04	78.6	72.3	78.3	71.4	77.6	86.9	78.5	77.7	77.1	72.0	82.4	83.0	79.5	79.2
30	GK 3211	81.8	73.1	78.8	87.5	79.3	88.4	81.8	81.4	78.5	74.8	87.3	82.9	80.3	81.6
31	HT 17169	81.0	73.0	80.2	81.9	80.6	87.8	80.2	80.6	78.2	79.3	83.0	83.2	80.7	80.4

Table No. 1: (Contd).

Shelling(%)

Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
32	IIMRNH 1701	75.6	72.1	80.0	79.5	81.1	82.3	80.4	78.4	80.1	74.6	85.0	82.3	80.5	78.7
33	IIMRNH 1703	77.0	67.7	82.0	86.5	76.0	84.8	78.4	79.0	78.8	74.8	83.3	82.8	80.0	78.6
34	IIMRNH 1704	79.8	74.5	76.7	86.4	78.6	85.0	77.8	80.0	80.0	73.7	82.7	83.0	80.1	79.9
35	IIMRNH 1705	80.0	75.3	81.4	85.1	78.7	84.0	80.5	80.3	79.9	40.9	90.1	83.5	72.8	78.7
36	IMHBG-17K-20	81.9	77.1	79.8	85.7	80.1	84.5	78.2	81.0	79.0	77.9	90.1	82.9	82.3	81.0
37	IMHBG-17K-23	78.6	69.4	78.0	81.7	77.2	80.3	79.5	77.9	77.3	75.8	80.6	82.1	79.1	77.7
38	IMHBG-17K-24	77.4	70.8	78.7	83.9	81.0	81.3	78.3	78.6	80.7	76.7	79.3	82.7	79.9	78.2
39	IMHBG-17K-25	76.3	71.4	79.7	89.6	77.8	83.9	80.1	79.8	77.7	68.4	86.3	82.9	80.2	80.0
40	JH 13336	75.8	68.8	79.3	83.7	78.2	81.4	80.7	78.3	78.3	75.8	79.1	83.1	80.0	78.2
41	JH 13346	78.5	70.8	81.4	84.8	77.4	84.0	79.3	79.4	78.8	78.1	81.8	83.1	81.0	80.0
42	JH 16031	76.3	73.2	80.4	83.8	77.9	84.5	78.9	79.2	80.6	79.3	86.1	83.6	81.9	80.1
43	JH 16034	76.0	71.2	80.6	82.5	79.1	84.1	79.1	79.3	79.6	78.2	79.3	82.6	79.7	79.1
44	JH 16040	79.5	69.2	78.6	83.8	77.4	85.4	80.9	79.1	78.2	71.7	86.1	82.7	79.4	79.6
45	JH 16041	80.4	75.7	79.2	84.0	79.4	83.8	79.5	80.3	80.1	79.8	83.2	83.0	80.5	80.5
46	JH 16046	80.6	69.1	80.8	84.2	78.4	87.6	79.0	79.9	77.7	78.3	87.8	82.6	81.2	80.6
47	JH 16054	76.0	69.8	79.4	83.7	80.5	81.0	79.6	78.7	80.4	75.6	82.6	82.5	80.4	78.9
48	JH 16081	79.3	66.9	78.7	84.0	80.8	85.6	81.0	79.6	78.5	76.4	82.8	82.7	80.1	79.9
49	JH 16118	76.0	71.2	82.4	83.2	78.2	83.1	80.1	79.1	79.1	70.1	84.9	82.6	79.4	79.3
50	JH 16209	73.9	72.8	80.1	82.6	77.9	84.5	79.1	78.6	77.6	73.0	84.3	82.7	79.7	79.4
51	JKMH 150375	80.1	74.7	79.7	84.2	79.5	88.0	79.6	81.0	78.4	74.4	83.5	83.3	80.5	80.7
52	KH-2193	79.7	77.7	80.2	83.3	77.2	84.7	79.2	80.2	79.2	73.9	88.3	83.4	81.2	80.4
53	KMH 463	78.5	71.0	82.6	81.3	76.9	82.6	79.3	78.8	78.4	79.6	81.1	82.4	80.5	79.4
54	KNMH-4410	80.2	77.2	79.4	87.3	80.6	87.2	76.9	81.2	78.5	77.6	81.8	82.9	80.3	80.2
55	KNMH-4513	81.6	75.0	79.7	85.0	80.3	85.2	77.1	80.6	78.8	73.4	89.1	83.1	81.4	80.4
56	MAH-2014-19	76.6	75.4	78.9	76.7	76.8	85.0	78.0	78.3	80.1	73.5	82.9	83.1	80.2	79.4
57	MAH-2014-3	77.2	73.3	81.3	83.2	78.3	85.0	79.7	79.8	77.9	77.2	83.7	82.7	80.0	80.0
58	MFH 16-21	81.7	72.5	82.2	83.3	80.0	85.7	79.2	80.6	77.7	74.5	85.3	82.5	80.4	80.3
59	MFH 16-22	81.0	68.7	77.9	82.5	77.1	84.7	76.1	78.6	78.8	76.2	88.0	83.0	81.2	79.6
60	NMH-4530	79.4	77.4	79.4	84.5	78.2	84.8	78.8	80.3	78.5	84.7	83.3	82.9	81.2	80.0
61	NS 8282	79.6	78.2	79.8	88.2	79.7	87.1	77.3	81.5	77.9	71.1	85.5	82.8	79.8	80.3
62	OMH16-1	75.8	72.1	80.5	82.7	80.1	79.4	79.2	78.4	79.0	76.5	81.8	83.3	80.1	78.4

Table No. 1: (Contd).		Shelling(%)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
63	OMH16-2	78.7	69.3	78.7	81.4	79.1	85.4	81.1	79.5	79.0	74.7	87.3	82.8	81.0	79.4
64	OMH16-3	77.8	70.7	73.4	82.6	79.6	81.9	80.6	78.1	77.9	77.5	87.8	83.0	81.4	79.5
65	PM17101L	79.9	73.6	79.8	84.5	78.9	86.0	82.4	80.5	79.4	76.4	86.5	83.1	81.4	80.7
66	PM17104L	81.4	72.5	79.2	81.7	79.1	84.4	77.0	79.5	80.6	79.3	87.2	82.3	82.1	80.1
67	PM17105L	80.1	74.5	78.7	83.8	77.4	87.0	80.7	79.9	81.1	74.0	87.8	83.1	81.1	80.3
68	PM17106L	79.7	74.9	80.5	76.7	79.2	85.9	79.7	79.7	80.2	79.2	87.2	82.9	82.1	80.7
69	QMH-1347	78.0	71.8	81.2	87.7	79.2	85.0	77.8	80.2	79.7	72.4	81.9	82.9	79.7	79.0
70	QMH-1353	77.5	72.6	80.5	81.0	78.9	84.2	79.1	79.3	78.6	77.1	83.3	82.1	80.3	78.8
71	QMH-1420	80.0	72.1	80.2	89.7	79.4	83.5	77.2	80.2	79.4	75.1	82.3	83.0	80.0	79.8
72	REH 2015-7	79.7	75.6	79.7	86.1	81.2	87.7	76.7	81.0	79.3	37.8	81.9	82.4	70.5	78.2
73	Rasi-2432	80.6	75.9	75.8	90.4	82.0	87.9	79.4	81.9	77.8	75.4	80.8	82.4	79.2	81.4
74	Rasi-3499	81.5	76.2	79.1	82.9	81.2	85.6	79.1	81.1	78.4	83.3	85.3	83.7	81.5	81.3
75	SVMH-66	77.4	71.8	78.9	80.2	79.8	85.3	80.8	79.1	77.2	77.8	81.5	83.2	78.9	78.3
76	Super-1818	76.5	70.9	80.3	81.0	79.5	84.5	79.4	78.9	77.7	76.6	79.2	82.7	79.3	78.6
77	TA 5084	78.8	70.7	78.4	82.9	77.9	71.4	78.6	77.0	77.7	72.9	81.6	82.4	78.7	78.3
78	TMMH 2840	79.7	73.9	79.9	84.8	78.4	83.0	78.1	79.6	78.5	73.9	79.7	82.2	78.7	79.9
79	TS 2505	80.6	69.9	77.6	88.5	77.6	84.0	79.2	79.6	78.9	77.0	82.7	83.6	80.9	79.6
80	VEH-17-1	80.9	75.0	79.7	85.3	81.1	88.8	77.0	81.0	77.3	75.2	79.2	82.6	79.2	80.2
81	VNR-35379	81.1	75.3	75.6	83.7	81.2	89.5	80.7	81.0	79.8	76.6	86.8	83.1	81.0	81.2
82	CMH 08-282 (C)	77.3	70.8	78.7	81.6	77.1	85.9	79.8	78.8	77.1	41.6	87.1	82.8	71.2	78.1
83	CMH 08-287 (C)	78.1	73.2	80.3	85.0	77.9	84.0	80.1	79.7	79.7	71.0	80.2	83.0	79.2	79.8
84	BIO 9682 (C)	79.9	72.3	79.1	81.7	77.9	84.0	79.0	79.3	80.8	73.1	80.5	83.0	79.4	79.7
	Location Mean	79.2	72.7	79.1	84.1	78.8	84.8	79.2	79.7	78.6	73.1	83.7	82.9	79.6	79.8
	CV (%)	1.5	5.5	1.9	0.0	1.3	3.7	1.2	2.7	2.0	11.3	5.2	0.5	5.9	4.2
	F (Prob)	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
	CD (5%)	1.9	6.5	2.4	0.0	1.7	5.1	1.5	1.3	2.6	13.3	7.0	0.6	3.9	1.2
	CD (1%)	2.5	8.5	3.2	0.0	2.2	6.7	2.0	1.7	3.4	17.6	9.2	0.8	5.1	1.6

Table No. 1: (Contd).		Moisture(%)												
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III(NEPZ)								
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	14561-010-04-01-03-3-2	22.3	17.8	28.2	22.6	.	18.3	25.8	18.7	32.4	.	.	.	
2	16402-008-03-03	21.7	16.5	27.6	21.8	.	18.1	29.4	17.9	.	.	.	.
3	20637-009-03-02	22.9	15.2	28.2	22.0	26.2	18.0	34.0	18.2	.	32.7	.	.	
4	ADV 1390064	23.1	20.2	28.3	23.8	23.1	18.1	32.5	18.5	31.4	32.1	29.6	26.2	
5	ADV 1390164	22.4	22.8	28.4	24.5	25.7	18.6	30.9	18.4	32.4	26.9	33.0	26.7	
6	AH-1608	21.1	16.1	26.1	21.1	24.6	18.0	24.0	17.5	32.1	28.6	22.0	24.2	
7	AH-1645	21.2	18.3	27.4	22.2	26.5	18.6	27.0	18.1	33.1	25.3	25.5	24.8	
8	AH-8183	23.7	18.8	28.9	23.8	25.6	17.9	28.7	17.7	32.8	30.0	29.4	25.8	
9	AMH-15119	22.1	18.1	28.0	22.6	24.1	17.9	33.0	19.0	32.3	29.3	30.6	26.6	
10	AYN716443	21.8	21.0	28.0	23.2	25.0	19.6	27.3	17.8	33.3	32.8	29.7	26.3	
11	B-57	22.9	19.7	28.1	23.5	23.7	18.1	29.0	18.6	32.3	29.2	30.3	25.7	
12	BH 415017	21.4	16.0	28.1	21.9	26.1	19.1	26.6	17.4	30.9	26.9	27.1	25.0	
13	BIO 218	22.7	20.5	29.0	24.3	25.2	19.1	29.1	17.6	33.4	26.8	28.7	25.6	
14	CCH 2829	20.8	17.9	29.7	22.7	25.2	18.7	29.7	18.1	32.6	30.8	27.4	25.7	
15	CMH 14-714	20.7	19.0	27.8	22.6	24.1	18.2	26.7	18.3	31.6	25.5	25.8	24.4	
16	CMH 14-720	23.0	19.0	29.2	23.7	25.3	19.5	28.7	18.2	32.2	30.9	27.7	26.1	
17	CMH 14-721	23.5	19.0	27.7	23.2	25.9	18.4	28.2	18.4	32.5	30.6	28.1	25.4	
18	CMH 15-005	23.1	18.4	29.1	23.8	27.0	17.8	29.4	17.2	31.4	31.5	27.4	26.1	
19	CP 777	22.4	20.6	28.3	23.8	24.4	18.2	29.7	17.8	33.1	28.9	29.0	25.9	
20	CP 858	23.0	20.2	30.2	24.3	23.7	19.2	29.7	17.5	31.4	27.0	28.7	25.5	
21	DAS-MH-114	22.4	18.3	27.9	22.9	25.4	18.4	29.1	17.6	31.5	29.0	30.3	26.1	
22	DAS-MH-115	23.4	19.6	28.7	24.0	26.6	18.5	29.2	18.1	32.1	29.0	33.3	26.8	
23	DKC 9182 (IR8513)	22.3	17.4	28.7	22.9	27.3	18.9	28.8	18.0	32.3	30.2	29.7	26.7	
24	DKC 9185 (IR8449)	22.5	18.0	29.0	23.4	26.2	18.7	29.7	17.9	30.9	27.9	27.0	25.4	
25	DKC9189 (IR8545)	23.0	18.5	27.7	23.1	25.0	18.0	31.2	17.7	32.0	28.1	28.8	25.7	
26	GH 160131	23.0	17.1	26.8	22.3	22.9	18.9	21.8	17.6	33.2	25.3	23.9	23.3	
27	GH 160224	23.4	17.8	28.6	23.1	25.9	18.4	28.1	17.7	32.3	27.2	28.0	25.1	
28	GH-1301	22.2	18.9	26.6	22.8	26.9	19.4	27.0	18.2	32.5	29.2	27.0	25.9	
29	GIN-04	21.9	18.3	27.1	22.3	26.9	18.8	30.3	18.8	32.7	30.3	28.6	26.2	
30	GK 3211	23.3	17.2	28.7	23.1	25.5	17.8	31.0	18.9	32.6	29.0	31.8	26.7	
31	HT 17169	23.2	21.2	29.1	24.5	24.4	18.2	29.7	17.3	31.6	32.4	31.9	26.4	

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Table No. 1: (Contd).		Moisture(%)												
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III(NEPZ)								
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
32	IIMRNH 1701	22.5	16.4	28.9	22.4	24.0	17.8	28.4	17.8	30.8	27.6	27.2	24.9	
33	IIMRNH 1703	22.3	17.2	28.4	22.4	23.0	18.9	27.5	18.5	32.0	30.7	25.3	25.1	
34	IIMRNH 1704	21.5	18.2	33.2	24.2	24.1	18.8	29.2	17.2	31.3	29.9	27.1	25.3	
35	IIMRNH 1705	20.8	19.2	28.6	23.1	26.3	18.6	27.7	18.1	31.8	26.2	26.9	25.0	
36	IMHBG-17K-20	21.5	20.0	28.4	23.2	25.7	18.0	23.9	17.7	33.7	27.7	27.6	25.0	
37	IMHBG-17K-23	21.9	16.2	28.7	22.2	41.1	19.7	27.7	17.9	32.0	29.0	26.3	27.5	
38	IMHBG-17K-24	21.9	21.2	29.1	23.7	25.6	18.1	28.6	17.3	31.0	30.0	28.1	25.6	
39	IMHBG-17K-25	22.2	19.1	28.0	23.2	22.6	20.7	29.0	18.2	33.1	27.3	27.4	25.2	
40	JH 13336	22.0	19.2	28.5	23.1	26.8	18.4	25.9	18.7	32.4	32.2	28.2	25.8	
41	JH 13346	22.4	20.6	27.3	23.4	27.4	18.5	33.3	18.1	32.1	29.4	27.4	26.6	
42	JH 16031	21.7	18.0	28.8	23.0	26.5	18.0	29.9	17.6	32.3	29.5	27.7	26.0	
43	JH 16034	22.3	19.4	28.9	23.5	24.3	18.3	26.9	17.7	32.4	29.8	27.7	25.6	
44	JH 16040	23.1	20.3	29.2	23.9	23.4	19.4	29.2	18.1	32.2	28.2	28.8	25.4	
45	JH 16041	21.2	20.8	28.3	23.4	26.0	18.4	26.0	17.9	31.6	28.4	27.8	25.4	
46	JH 16046	22.9	19.1	29.8	24.1	26.0	18.7	29.2	18.1	31.7	29.5	26.7	25.8	
47	JH 16054	22.1	19.0	25.7	22.2	24.3	19.1	28.5	18.2	30.8	28.0	27.5	25.0	
48	JH 16081	22.2	19.9	27.1	22.7	26.4	18.4	29.6	17.1	31.4	28.5	27.0	25.5	
49	JH 16118	21.6	18.2	27.5	22.5	26.7	17.9	27.8	17.9	31.9	29.6	27.9	25.6	
50	JH 16209	21.3	16.9	27.6	21.7	26.6	17.9	26.4	17.7	32.2	29.4	26.9	25.4	
51	JKMH 150375	22.4	18.5	28.5	23.1	26.2	17.4	30.4	18.2	31.8	27.3	28.0	25.7	
52	KH-2193	22.6	18.5	26.6	22.7	25.6	17.9	29.6	17.1	32.0	28.7	27.2	25.5	
53	KMH 463	22.4	20.7	28.6	23.8	25.2	19.2	28.4	17.7	32.9	29.2	30.6	25.9	
54	KNMH-4410	20.9	15.2	26.5	20.9	23.3	18.5	29.5	17.5	32.1	28.2	25.5	24.8	
55	KNMH-4513	20.9	16.3	26.2	21.0	23.0	18.0	25.3	18.2	31.7	28.3	23.7	24.0	
56	MAH-2014-19	21.8	18.3	33.1	24.5	22.7	19.9	25.9	17.9	32.2	30.2	26.9	25.2	
57	MAH-2014-3	21.7	20.3	28.0	23.3	25.4	17.9	30.5	18.3	31.2	27.0	28.6	25.5	
58	MFH 16-21	21.3	16.5	26.8	21.5	23.8	18.3	25.8	18.3	31.9	32.6	24.8	24.9	
59	MFH 16-22	21.6	18.0	27.6	22.3	25.1	17.8	26.6	18.3	32.4	28.8	25.5	24.7	
60	NMH-4530	23.5	17.1	28.2	23.2	25.5	19.1	27.8	17.6	32.0	33.1	28.5	26.2	
61	NS 8282	20.2	16.5	23.6	20.4	23.6	18.7	23.9	18.7	31.8	23.0	22.3	23.5	
62	OMH16-1	22.1	18.8	28.2	22.9	24.4	17.2	28.3	18.4	32.8	29.2	28.7	25.6	

Table No. 1: (Contd).		Moisture(%)												
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III(NEPZ)								
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
63	OMH16-2	23.0	18.4	28.4	23.3	26.5	17.6	26.4	17.8	32.1	31.0	28.5	25.8	
64	OMH16-3	21.5	20.4	29.5	23.7	25.3	18.4	26.4	18.5	31.8	30.1	27.6	25.9	
65	PM17101L	21.3	18.8	26.8	22.5	26.2	17.8	26.4	18.6	32.1	30.7	26.1	25.5	
66	PM17104L	22.3	21.9	27.2	23.6	23.9	18.4	31.4	17.6	34.6	31.1	29.9	26.5	
67	PM17105L	21.7	18.7	26.9	22.6	23.2	18.7	26.2	17.7	32.5	26.7	27.0	25.0	
68	PM17106L	22.7	18.4	28.9	23.5	26.3	18.2	24.5	18.7	32.3	29.8	29.7	25.7	
69	QMH-1347	21.7	18.7	26.6	22.2	23.5	19.2	26.3	17.0	31.9	30.1	27.7	25.2	
70	QMH-1353	21.3	18.6	28.4	23.0	24.8	17.8	24.0	17.6	33.0	20.6	27.1	23.8	
71	QMH-1420	21.5	19.9	29.4	23.5	23.8	17.5	27.0	17.7	31.2	26.7	26.9	24.4	
72	REH 2015-7	20.8	17.7	26.1	21.5	23.4	19.3	24.1	18.0	32.7	24.3	23.1	23.7	
73	Rasi-2432	22.8	19.4	28.9	23.7	25.6	17.9	27.6	17.4	32.4	29.7	29.5	25.7	
74	Rasi-3499	22.7	20.7	28.8	24.0	25.7	17.9	28.0	18.2	32.3	29.5	30.6	25.9	
75	SVMH-66	22.1	19.1	27.1	22.9	26.7	17.9	27.8	18.3	31.5	29.6	30.9	26.0	
76	Super-1818	22.6	21.3	26.9	23.8	25.6	17.4	29.4	18.6	32.0	28.4	28.5	25.8	
77	TA 5084	22.7	18.5	28.7	23.3	25.3	19.0	27.0	19.0	30.8	27.6	27.9	25.2	
78	TMMH 2840	22.8	18.3	27.0	22.7	22.6	18.3	27.1	17.8	31.3	26.9	28.8	24.7	
79	TS 2505	22.0	19.1	28.8	23.3	23.3	17.6	28.5	18.0	32.4	32.4	26.3	25.5	
80	VEH-17-1	20.6	16.7	25.0	20.7	22.5	17.7	24.1	18.8	32.2	30.7	22.3	24.1	
81	VNR-35379	23.3	22.5	27.6	24.5	23.6	18.5	33.1	18.1	30.9	30.5	33.3	26.7	
82	CMH 08-282 (C)	21.6	17.2	29.0	22.8	26.2	18.1	26.2	18.8	32.7	28.7	26.2	25.4	
83	CMH 08-287 (C)	23.0	18.8	28.8	23.8	26.9	18.0	29.8	17.9	31.6	29.2	28.7	26.0	
84	BIO 9682 (C)	22.5	18.5	27.7	22.9	25.6	18.6	28.1	17.1	31.5	33.8	28.9	26.2	
	Location Mean	22.2	18.7	28.1	23.0	25.3	18.4	28.1	18.0	32.1	29.0	27.9	25.4	
	CV (%)	4.5	6.4	4.7	5.1	8.0	2.9	5.6	4.2	2.2	11.7	4.2	6.8	
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.32	0.00	0.00	
	CD (5%)	1.6	1.9	2.1	1.1	3.3	0.9	2.5	1.2	1.2	5.5	1.9	1.1	
	CD (1%)	2.1	2.6	2.8	1.5	4.3	1.2	3.4	1.6	1.5	7.2	2.5	1.4	

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Table No. 1: (Contd).		Moisture(%)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	14561-010-04-01-03-3-2	16.1	21.1	15.6	16.3	12.5	10.8	16.0	15.5	14.3	17.7	10.6	18.7	15.1	.
2	16402-008-03-03	13.2	20.2	15.7	13.2	12.5	9.7	16.0	14.4	15.4	7.7	10.0	18.3	12.9	.
3	20637-009-03-02	6.2	22.0	19.4	11.5	12.5	9.6	16.2	13.8	14.8	0.4	9.4	19.1	11.0	.
4	ADV 1390064	23.3	23.8	16.8	13.3	17.6	14.3	17.8	18.1	15.4	17.5	20.2	19.1	18.1	21.6
5	ADV 1390164	22.6	23.0	17.5	13.6	18.4	13.9	17.4	18.1	14.9	15.2	22.0	18.6	17.9	21.8
6	AH-1608	18.7	20.7	12.9	15.2	15.2	14.7	16.5	16.2	14.8	16.9	16.1	18.8	16.5	19.6
7	AH-1645	21.8	21.4	15.5	12.9	17.3	14.0	16.9	17.2	15.3	17.1	16.7	18.3	17.1	20.4
8	AH-8183	21.7	20.8	15.5	13.5	17.7	14.4	17.2	17.4	16.1	18.1	17.2	18.5	17.4	21.1
9	AMH-15119	22.5	21.6	14.6	14.6	17.3	14.1	16.1	17.2	14.6	17.8	20.5	18.6	18.1	21.3
10	AYN716443	22.5	22.8	17.0	12.6	17.4	14.8	17.8	17.9	14.3	17.4	20.3	18.2	17.9	21.4
11	B-57	21.8	23.0	14.9	13.3	18.3	13.8	16.5	17.5	15.5	17.0	18.3	18.7	17.3	21.1
12	BH 415017	19.8	20.5	14.1	14.3	16.9	14.5	16.7	16.6	15.7	17.8	17.3	18.7	17.4	20.3
13	BIO 218	25.0	22.0	16.4	14.3	17.2	14.7	16.1	17.9	16.7	17.0	19.9	19.1	18.3	21.5
14	CCH 2829	21.9	21.9	15.5	13.6	16.7	14.8	16.2	17.2	16.4	17.6	14.5	18.9	17.0	20.8
15	CMH 14-714	21.1	20.8	13.7	13.0	15.6	14.1	16.2	16.3	16.0	16.6	15.7	19.3	16.9	20.0
16	CMH 14-720	24.7	22.0	13.5	12.7	18.3	14.6	17.0	17.5	14.8	16.0	19.7	18.9	17.8	21.3
17	CMH 14-721	22.0	22.1	13.8	14.2	17.8	14.6	17.3	17.5	14.8	17.0	17.1	19.2	17.3	20.9
18	CMH 15-005	24.9	22.1	13.5	18.4	17.8	13.8	17.1	18.2	14.9	16.7	17.9	19.0	17.2	21.4
19	CP 777	21.6	22.5	16.2	15.2	17.9	14.0	16.4	17.7	15.5	16.3	19.1	18.5	17.2	21.2
20	CP 858	22.0	21.3	14.9	15.2	17.0	15.3	17.1	17.6	16.8	17.5	15.4	19.0	17.3	21.1
21	DAS-MH-114	22.3	21.7	18.6	12.5	17.1	15.1	16.8	17.8	15.5	16.8	20.3	18.8	17.8	21.3
22	DAS-MH-115	21.4	21.4	17.0	15.2	17.9	14.5	16.6	17.7	14.7	16.8	20.5	18.9	18.0	21.7
23	DKC 9182 (IR8513)	26.1	21.7	14.1	13.3	17.6	14.2	17.0	17.8	15.5	18.2	20.5	18.9	18.0	21.6
24	DKC 9185 (IR8449)	21.6	21.1	17.4	14.2	17.6	14.7	16.7	17.6	15.9	17.1	19.2	18.8	18.0	21.1
25	DKC9189 (IR8545)	22.4	21.8	12.6	14.2	18.6	15.5	17.7	17.5	16.1	17.3	21.6	18.6	18.4	21.2
26	GH 160131	19.1	20.2	15.2	11.7	15.4	15.2	16.8	16.3	15.5	17.8	16.4	18.5	16.7	19.6
27	GH 160224	21.7	22.1	14.0	13.3	16.5	14.3	16.7	16.9	14.7	13.9	15.6	19.5	16.3	20.4
28	GH-1301	23.4	20.5	13.7	13.7	17.4	14.4	15.9	17.0	16.2	16.9	20.5	18.6	17.6	20.9
29	GIN-04	22.9	21.8	16.3	13.7	17.3	15.1	16.3	17.6	15.9	16.7	17.1	18.6	17.4	21.1
30	GK 3211	23.1	21.8	14.1	14.2	17.2	14.6	16.2	17.3	16.0	17.5	18.8	18.6	17.6	21.3
31	HT 17169	22.6	23.3	18.8	13.0	17.5	14.8	17.3	18.2	16.6	17.5	17.8	18.7	17.6	21.7

Table No. 1: (Contd).		Moisture(%)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
32	IIMRNH 1701	22.5	21.1	13.2	12.8	15.6	14.1	16.2	16.5	15.0	16.5	15.0	19.0	16.7	20.2
33	IIMRNH 1703	22.1	21.0	14.6	16.3	16.0	14.7	16.4	17.3	15.1	14.2	17.8	18.7	17.0	20.5
34	IIMRNH 1704	20.5	20.8	12.5	12.9	15.5	13.7	16.1	16.0	15.7	18.8	16.0	19.2	17.1	20.5
35	IIMRNH 1705	20.4	22.0	15.3	15.8	17.8	14.3	16.7	17.5	14.3	9.7	18.8	18.3	15.1	20.4
36	IMHBG-17K-20	20.1	21.6	13.4	13.0	15.9	14.6	16.0	16.3	14.8	18.1	20.9	18.6	17.8	20.5
37	IMHBG-17K-23	22.0	21.3	14.3	11.9	15.4	14.6	15.6	16.4	15.1	17.3	17.8	18.7	16.9	21.0
38	IMHBG-17K-24	21.6	22.2	15.0	12.9	16.3	14.3	16.2	16.9	15.0	17.5	19.2	18.9	17.8	20.9
39	IMHBG-17K-25	22.5	22.8	16.4	13.7	16.5	14.1	17.1	17.6	14.5	16.9	17.8	19.2	17.5	20.9
40	JH 13336	21.3	21.3	15.9	13.3	18.2	14.8	16.7	17.3	17.2	17.4	20.0	19.4	18.6	21.2
41	JH 13346	22.7	21.6	12.9	14.2	17.0	13.7	16.4	16.9	17.0	19.5	18.4	19.5	18.4	21.3
42	JH 16031	23.0	21.3	13.6	12.4	16.6	14.2	16.0	16.7	14.5	17.2	18.5	19.0	17.3	20.8
43	JH 16034	21.6	20.7	12.8	13.9	16.1	13.9	15.7	16.4	15.9	17.8	19.0	18.3	17.6	20.7
44	JH 16040	21.2	23.0	15.6	15.6	17.0	14.2	17.4	17.7	14.9	16.2	18.7	19.1	17.1	21.0
45	JH 16041	21.6	21.5	13.7	14.2	17.6	15.3	15.5	17.1	15.5	18.7	19.1	18.9	17.9	20.9
46	JH 16046	21.4	21.3	13.2	16.5	18.0	14.6	16.3	17.3	15.8	15.0	17.9	19.2	17.4	21.1
47	JH 16054	18.3	20.6	12.9	14.5	16.6	15.1	15.7	16.2	15.6	17.1	16.2	18.9	16.8	20.1
48	JH 16081	22.5	21.4	14.6	13.3	17.4	14.5	16.5	17.2	15.1	16.5	19.4	18.0	17.3	20.7
49	JH 16118	21.8	21.6	13.6	13.6	17.4	12.9	16.7	16.9	15.5	16.1	18.5	18.7	17.2	20.7
50	JH 16209	22.9	20.9	14.6	13.2	16.6	14.2	17.1	17.1	15.1	16.0	17.4	19.1	17.1	20.5
51	JKMH 150375	21.4	23.9	15.4	13.5	17.4	14.5	17.4	17.7	16.3	17.6	19.9	18.8	18.4	21.3
52	KH-2193	22.2	22.1	15.5	13.3	16.7	14.0	17.4	17.4	15.9	18.4	19.8	18.5	17.9	21.0
53	KMH 463	22.7	21.0	17.3	15.6	17.6	15.3	16.4	18.0	15.3	18.0	19.2	19.1	18.1	21.5
54	KNMH-4410	18.4	19.9	15.5	13.7	15.8	14.2	15.7	16.2	15.7	14.5	13.7	19.1	16.3	19.7
55	KNMH-4513	17.9	22.6	14.4	14.2	16.1	14.9	15.8	16.5	15.2	17.2	14.1	18.9	16.5	19.6
56	MAH-2014-19	22.9	21.7	14.8	13.5	16.6	15.8	16.6	17.4	15.8	36.4	17.7	18.1	22.1	21.9
57	MAH-2014-3	20.6	21.6	12.9	13.9	15.5	14.0	16.3	16.4	14.6	17.0	18.4	18.5	17.0	20.5
58	MFH 16-21	20.3	20.3	14.3	15.3	15.9	14.0	16.7	16.7	15.9	16.7	16.8	18.2	16.7	20.1
59	MFH 16-22	18.5	20.6	13.0	12.3	15.8	13.9	16.2	15.8	15.4	16.5	14.2	18.7	16.2	19.8
60	NMH-4530	21.4	20.7	15.0	13.3	17.1	14.6	16.7	17.1	13.8	19.5	17.6	19.1	17.2	21.1
61	NS 8282	21.2	21.7	12.9	13.6	16.1	14.1	15.2	16.3	14.8	17.2	13.3	18.6	15.8	19.2
62	OMH16-1	22.0	22.4	13.8	12.5	16.1	14.9	17.1	16.9	15.0	17.9	19.5	19.3	17.8	20.9

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Table No. 1: (Contd).		Moisture(%)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
63	OMH16-2	21.6	19.3	15.6	13.0	16.3	14.8	17.5	17.0	15.7	17.9	20.5	18.8	18.0	21.0
64	OMH16-3	22.3	20.6	14.2	15.2	16.9	15.1	16.2	17.2	15.3	18.3	19.8	19.0	18.0	21.1
65	PM17101L	21.7	20.8	16.2	12.9	17.4	14.0	17.1	17.2	16.5	16.9	19.5	18.4	17.6	20.8
66	PM17104L	22.2	22.3	16.9	13.3	16.6	14.5	16.7	17.6	15.3	18.4	16.7	18.2	17.3	21.4
67	PM17105L	21.3	22.0	17.3	14.3	16.3	15.4	17.8	17.7	15.4	16.9	19.3	18.5	17.3	20.8
68	PM17106L	20.4	21.5	15.5	17.6	17.0	14.3	17.0	17.6	15.2	17.3	17.8	18.5	17.4	21.1
69	QMH-1347	20.5	21.7	15.9	12.4	15.9	14.6	16.0	16.7	15.5	17.2	18.7	18.4	17.7	20.5
70	QMH-1353	21.4	20.7	15.4	14.6	17.0	14.6	16.3	17.1	16.2	17.5	18.4	19.1	17.6	20.3
71	QMH-1420	20.3	20.6	14.3	13.3	15.8	14.4	15.9	16.4	15.0	17.7	17.0	19.2	17.0	20.2
72	REH 2015-7	20.5	21.0	14.9	11.4	15.2	13.9	15.7	16.1	16.3	8.5	16.3	19.0	15.0	19.2
73	Rasi-2432	22.0	22.2	13.1	13.2	15.5	15.2	17.1	16.9	15.5	17.4	18.2	19.3	17.5	20.9
74	Rasi-3499	22.3	23.7	15.9	14.2	17.3	13.7	16.7	17.8	14.8	19.1	19.3	18.2	17.5	21.4
75	SVMH-66	21.9	20.3	15.8	13.6	18.1	14.9	16.2	17.4	16.3	17.6	17.0	18.2	16.9	21.0
76	Super-1818	21.7	21.0	17.9	13.6	16.4	15.5	17.1	17.6	16.1	17.3	20.7	19.2	18.2	21.3
77	TA 5084	20.9	20.7	14.8	13.4	17.9	14.5	16.1	16.9	14.6	17.1	17.7	19.8	17.1	20.6
78	TMMH 2840	21.9	22.7	15.5	13.2	17.6	13.9	16.4	17.3	15.8	18.2	16.8	18.4	17.2	20.5
79	TS 2505	22.0	20.7	14.6	14.5	16.6	13.9	16.1	16.8	15.8	17.5	17.3	18.6	17.2	20.7
80	VEH-17-1	20.2	20.7	14.9	14.7	15.9	14.3	15.7	16.6	14.2	15.2	14.5	19.1	16.5	19.7
81	VNR-35379	22.0	22.1	14.4	15.7	18.2	14.1	16.5	17.6	15.8	17.1	23.5	18.4	18.1	21.7
82	CMH 08-282 (C)	23.2	21.4	15.3	16.3	17.7	14.6	16.2	17.8	16.2	11.3	17.9	18.5	15.7	20.7
83	CMH 08-287 (C)	24.4	20.9	12.6	13.8	17.5	14.9	16.7	17.1	15.6	18.6	16.7	19.0	17.5	21.1
84	BIO 9682 (C)	20.0	22.9	16.7	15.2	16.5	14.2	16.5	17.5	14.4	16.5	19.6	19.0	17.4	21.2
	Location Mean	21.4	21.5	15.0	13.9	16.7	14.3	16.5	17.1	15.4	17.0	17.9	18.8	17.3	20.6
	CV (%)	5.5	5.3	7.4	0.0	3.0	5.4	3.7	5.0	5.9	25.1	8.9	1.9	13.4	7.6
	F (Prob)	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
	CD (5%)	1.9	1.8	1.8	0.0	0.8	1.2	1.0	0.5	1.5	6.9	2.6	0.6	1.9	0.6
	CD (1%)	2.5	2.4	2.4	0.0	1.1	1.6	1.3	0.7	1.9	9.1	3.4	0.7	2.5	0.7

Table No. 1: (Contd). Days to 50% Pollen Shed													
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III (NEPZ)							
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	14561-010-04-01-03-3-2	53.0	52.3	49.9	51.8	62.3	54.3	58.9	59.5	56.1	57.4	.	.
2	16402-008-03-03	55.9	50.9	51.7	53.0	.	53.8	54.6	58.5	.	59.3	.	.
3	20637-009-03-02	51.6	51.6	51.1	51.8	53.8	53.8	55.3	59.8	.	57.1	.	.
4	ADV 1390064	55.1	55.8	53.5	54.7	60.5	57.2	57.5	54.5	56.7	60.3	58.3	57.5
5	ADV 1390164	52.8	54.9	50.9	53.2	59.2	56.7	57.8	51.9	57.2	55.7	55.8	57.2
6	AH-1608	51.6	51.3	50.6	50.8	55.4	52.6	53.0	57.2	51.2	49.7	52.1	53.2
7	AH-1645	54.3	49.2	50.7	51.7	54.0	52.3	53.5	49.5	51.7	60.7	50.2	53.4
8	AH-8183	55.6	55.9	50.7	54.5	57.0	55.9	55.9	52.9	53.2	57.4	57.9	55.8
9	AMH-15119	55.1	53.1	51.7	53.0	58.0	55.6	57.5	56.5	52.2	58.3	55.6	56.3
10	AYN716443	56.0	54.3	51.9	54.1	55.9	55.4	57.6	56.3	54.7	51.3	58.3	55.4
11	B-57	56.6	52.0	50.7	53.1	57.1	52.2	54.1	53.1	52.6	53.0	57.1	54.6
12	BH 415017	55.6	50.8	49.8	52.0	54.1	53.6	55.6	56.8	53.8	52.7	55.9	54.8
13	BIO 218	54.0	54.1	51.2	53.1	56.3	53.5	54.6	55.1	54.1	56.8	57.1	54.6
14	CCH 2829	53.6	51.9	50.7	52.0	54.9	53.4	53.4	56.4	51.8	51.1	53.4	53.4
15	CMH 14-714	53.3	52.1	50.6	52.1	55.6	54.1	55.5	57.2	50.5	54.2	54.2	54.3
16	CMH 14-720	53.2	54.6	50.9	52.6	55.5	55.9	54.4	56.8	52.8	54.6	55.5	54.6
17	CMH 14-721	56.1	54.9	53.1	54.5	56.0	55.2	57.2	58.6	53.1	53.9	55.3	55.1
18	CMH 15-005	51.3	55.0	52.0	52.9	56.7	54.7	56.1	60.4	55.4	56.3	54.6	56.0
19	CP 777	53.3	55.7	53.0	54.1	59.1	55.8	57.1	54.7	56.5	59.8	57.8	56.8
20	CP 858	54.0	54.3	50.4	53.2	55.2	52.8	52.8	53.8	53.1	53.6	56.4	54.3
21	DAS-MH-114	55.6	53.4	50.9	53.7	56.8	54.7	57.1	59.4	56.1	55.6	54.2	56.2
22	DAS-MH-115	56.0	52.8	50.4	52.8	51.6	52.2	53.5	52.0	53.6	51.7	54.3	52.7
23	DKC 9182 (IR8513)	54.0	54.6	50.8	53.6	57.2	53.4	56.9	55.6	53.1	55.0	56.8	55.5
24	DKC 9185 (IR8449)	54.0	54.3	50.6	53.4	58.6	54.6	55.6	49.8	54.7	56.0	54.9	54.8
25	DKC9189 (IR8545)	55.7	52.5	53.2	53.8	57.0	54.4	56.3	53.8	52.2	57.9	55.7	54.8
26	GH 160131	54.5	55.4	52.7	54.5	58.0	54.5	57.5	56.8	54.1	53.7	57.3	55.8
27	GH 160224	53.1	53.9	51.5	53.0	56.9	53.8	56.4	58.2	54.7	49.9	55.6	55.9
28	GH-1301	54.9	51.3	51.1	52.0	53.3	54.6	55.6	59.6	53.5	51.7	56.3	55.3
29	GIN-04	56.2	51.4	50.8	52.8	56.4	53.4	54.3	57.4	51.7	52.6	56.5	54.9
30	GK 3211	51.5	53.0	51.2	51.8	57.0	55.1	54.2	59.0	53.7	53.2	55.2	55.5
31	HT 17169	55.5	54.5	52.1	53.7	58.2	55.4	56.1	52.2	55.0	54.7	57.9	55.2

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Table No. 1: (Contd).		Days to 50% Pollen Shed											
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III (NEPZ)							
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
32	IIMRNH 1701	50.7	57.0	53.0	53.7	59.4	55.6	59.9	56.1	55.0	56.1	57.2	56.8
33	IIMRNH 1703	55.6	55.0	52.0	54.2	56.2	53.1	53.9	52.4	54.0	52.9	52.7	53.8
34	IIMRNH 1704	55.2	51.5	47.0	50.8	55.9	53.2	54.3	57.9	53.4	56.5	54.9	55.1
35	IIMRNH 1705	54.4	53.6	50.1	53.1	54.7	53.0	54.8	52.9	53.1	52.2	55.5	53.9
36	IMHBG-17K-20	53.9	50.4	49.0	51.6	52.6	52.5	52.0	52.3	51.6	59.1	53.0	53.3
37	IMHBG-17K-23	53.1	54.2	53.4	53.7	57.9	54.6	58.8	59.9	56.6	56.1	56.6	56.9
38	IMHBG-17K-24	55.8	57.0	53.8	55.6	59.2	55.7	57.7	60.4	56.8	56.2	60.2	58.1
39	IMHBG-17K-25	51.5	53.2	51.1	52.2	58.0	54.1	54.7	58.0	53.4	54.4	56.2	55.7
40	JH 13336	54.6	54.7	52.1	53.6	57.8	53.3	55.7	57.0	57.1	55.3	55.1	56.3
41	JH 13346	52.8	53.9	50.0	52.0	57.0	52.6	56.8	54.7	53.1	53.7	55.7	54.9
42	JH 16031	53.3	53.1	49.8	52.2	55.0	52.7	56.1	54.6	52.8	54.9	52.3	54.0
43	JH 16034	55.3	51.9	49.7	52.4	54.1	53.8	54.3	52.6	53.0	51.9	54.7	53.3
44	JH 16040	52.9	52.7	51.3	52.6	56.8	53.2	55.9	57.3	53.8	59.5	53.9	56.4
45	JH 16041	53.8	54.8	50.5	53.0	54.7	53.2	55.0	56.8	54.5	55.0	54.1	55.1
46	JH 16046	51.6	52.1	50.2	51.6	54.9	55.2	55.8	57.7	53.0	54.4	54.2	55.3
47	JH 16054	53.8	53.8	51.7	53.1	57.5	53.5	56.6	58.8	54.5	55.8	57.8	55.9
48	JH 16081	56.3	55.0	51.6	54.3	58.9	54.9	56.5	59.2	55.8	54.2	57.1	56.3
49	JH 16118	54.1	52.5	51.2	52.3	56.2	53.6	56.0	51.0	53.1	54.4	54.0	54.1
50	JH 16209	52.5	51.0	50.6	51.4	54.7	52.7	54.7	50.6	53.0	50.9	52.8	53.3
51	JKMH 150375	56.6	56.7	51.2	54.4	56.9	53.3	58.1	59.2	54.9	56.1	54.9	56.1
52	KH-2193	54.2	55.8	51.8	53.9	57.8	54.4	57.7	57.9	54.4	58.3	57.1	56.6
53	KMH 463	56.3	52.8	51.5	53.8	58.5	53.7	57.3	53.1	53.9	56.5	58.0	55.8
54	KNMH-4410	52.5	49.0	49.8	50.5	52.3	53.0	52.5	55.5	49.7	47.7	53.9	52.3
55	KNMH-4513	51.5	50.1	50.3	50.5	53.0	52.8	54.0	52.4	51.6	51.8	54.3	52.6
56	MAH-2014-19	57.4	55.6	50.4	54.2	55.4	54.6	54.4	58.4	53.3	54.4	53.7	54.8
57	MAH-2014-3	53.7	55.3	52.2	53.6	55.9	55.0	57.6	59.3	55.9	55.8	56.1	56.0
58	MFH 16-21	56.1	54.8	52.4	53.8	55.6	54.2	56.6	55.9	54.1	55.4	55.0	54.7
59	MFH 16-22	57.8	53.4	51.3	53.8	54.3	53.2	52.7	53.5	50.8	53.0	53.2	52.7
60	NMH-4530	56.2	54.3	52.2	54.3	57.1	54.5	58.6	56.4	54.9	56.7	57.3	56.3
61	NS 8282	54.0	50.2	51.3	51.5	52.9	52.7	52.5	56.6	48.7	51.6	53.2	52.9
62	OMH16-1	54.6	54.9	52.6	54.1	60.9	55.2	58.6	55.1	56.0	55.9	59.8	57.4

Table No. 1: (Contd). Days to 50% Pollen Shed													
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III(NEPZ)							
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
63	OMH16-2	56.2	57.2	51.5	55.0	59.0	56.2	59.8	59.2	55.5	58.8	60.4	58.5
64	OMH16-3	54.6	52.6	50.4	52.6	55.4	54.1	55.0	56.4	54.7	56.2	57.6	55.5
65	PM17101L	53.8	51.3	50.0	51.2	53.9	52.9	55.6	58.7	52.7	51.3	51.2	54.0
66	PM17104L	54.3	56.3	50.1	54.0	57.0	52.7	55.0	50.1	55.4	55.8	56.7	54.4
67	PM17105L	57.0	52.1	50.4	53.1	55.8	54.7	54.6	54.5	52.0	48.7	55.9	54.5
68	PM17106L	55.2	55.0	53.0	54.1	59.4	55.4	57.9	48.4	55.1	56.2	57.6	55.8
69	QMH-1347	55.3	52.3	51.3	53.0	54.6	54.5	57.0	54.4	53.9	41.1	54.7	53.0
70	QMH-1353	52.9	53.5	51.0	51.9	54.4	54.1	57.1	53.1	52.7	53.9	56.8	54.7
71	QMH-1420	57.6	51.3	46.5	52.0	53.5	54.0	53.0	53.7	50.5	52.0	53.2	53.2
72	REH 2015-7	58.1	49.4	49.4	52.2	53.9	52.6	52.8	60.6	48.8	61.5	50.9	54.7
73	Rasi-2432	56.7	51.3	51.3	52.8	54.8	54.7	52.6	54.4	51.2	60.9	53.4	54.1
74	Rasi-3499	55.4	54.3	51.2	54.1	60.0	54.0	55.7	59.1	53.2	56.1	55.6	55.8
75	SVMH-66	53.6	54.6	53.5	54.4	56.5	55.5	56.8	49.6	53.8	55.3	56.5	54.9
76	Super-1818	52.5	55.6	51.4	52.7	60.0	56.7	59.6	52.5	56.1	57.0	57.9	57.2
77	TA 5084	50.0	53.6	49.9	51.6	56.3	55.4	55.7	59.3	53.3	52.4	53.0	55.4
78	TMMH 2840	55.0	55.0	50.5	53.7	57.2	55.4	56.6	55.8	53.2	56.9	54.1	55.8
79	TS 2505	52.5	54.9	51.3	53.0	56.4	53.9	56.2	57.7	54.3	52.4	55.2	55.5
80	VEH-17-1	54.5	50.1	49.7	51.1	51.7	52.1	50.3	52.2	47.5	58.7	48.7	51.8
81	VNR-35379	54.1	57.5	53.0	54.8	59.0	56.0	59.9	56.9	58.1	59.0	57.5	57.7
82	CMH 08-282 (C)	53.2	50.4	50.5	51.5	53.8	52.8	53.5	51.8	52.1	53.7	52.3	52.8
83	CMH 08-287 (C)	55.8	55.9	50.5	53.9	57.5	53.6	55.5	49.4	55.3	56.9	56.5	54.7
84	BIO 9682 (C)	56.4	55.2	52.8	54.5	55.9	55.9	56.0	53.2	55.1	56.5	57.9	55.5
	Location Mean	54.4	53.5	51.1	53.0	56.3	54.2	55.8	55.6	53.6	54.9	55.4	55.1
	CV (%)	4.4	2.8	2.8	3.4	2.4	2.7	2.3	6.9	2.3	9.7	2.4	5.1
	F (Prob)	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.72	0.00	0.00
	CD (5%)	3.9	2.4	2.3	1.8	2.2	2.3	2.1	6.2	2.0	8.6	2.1	1.8
	CD (1%)	5.1	3.2	3.1	2.3	2.9	3.1	2.8	8.2	2.6	11.4	2.9	2.4

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Table No. 1: (Contd).		Days to 50% Pollen Shed													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India Mean
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	14561-010-04-01-03-3-2	55.7	55.5	53.3	51.5	52.9	57.4	52.3	54.1	53.0	38.5	55.7	55.9	50.2	.
2	16402-008-03-03	55.5	56.5	53.1	51.8	52.5	57.8	52.2	54.2	53.0	17.6	58.0	57.1	46.2	.
3	20637-009-03-02	56.8	53.5	52.2	48.5	52.4	57.0	50.2	53.0	49.7	-2.4	57.1	54.8	40.2	.
4	ADV 1390064	56.6	56.5	54.5	55.1	57.3	56.8	53.6	55.9	58.6	50.5	61.6	59.1	57.7	56.6
5	ADV 1390164	58.5	55.1	53.5	54.8	53.9	56.4	52.9	55.3	55.4	54.0	59.6	58.5	56.8	55.8
6	AH-1608	52.0	52.7	54.0	50.6	52.4	53.7	50.8	52.3	51.8	55.3	57.9	56.8	54.8	52.8
7	AH-1645	52.5	52.0	53.3	51.4	53.1	52.9	49.2	52.1	51.0	48.7	55.7	53.4	53.2	52.7
8	AH-8183	55.0	54.7	53.9	53.9	55.3	56.3	53.7	54.9	55.0	53.3	61.5	59.6	57.1	55.6
9	AMH-15119	54.6	56.3	52.6	53.9	55.2	53.8	53.4	54.2	53.8	50.4	59.8	59.4	56.1	55.1
10	AYN716443	54.4	53.7	54.4	54.9	54.7	54.5	52.3	54.1	54.7	54.9	59.6	59.1	56.6	55.0
11	B-57	52.6	55.3	53.1	52.7	53.3	53.9	50.7	53.1	53.5	50.2	57.2	56.1	54.7	53.9
12	BH 415017	52.0	53.0	52.1	53.1	51.8	53.9	51.1	52.4	53.8	51.2	57.7	57.7	55.3	53.7
13	BIO 218	53.4	54.8	51.3	53.7	54.5	54.1	53.8	53.8	54.4	47.3	58.3	58.8	55.6	54.4
14	CCH 2829	54.2	55.5	54.0	51.4	52.0	55.9	51.1	53.5	53.0	50.3	59.6	59.2	55.6	53.6
15	CMH 14-714	52.8	53.5	53.8	53.7	54.3	54.5	50.6	53.2	53.2	52.9	59.8	57.8	55.7	53.9
16	CMH 14-720	54.5	56.4	53.5	54.7	52.6	55.2	52.2	54.0	52.6	50.3	59.6	59.5	55.8	54.4
17	CMH 14-721	55.7	55.3	54.3	55.8	53.8	56.3	53.4	54.9	54.0	51.7	61.1	58.9	56.4	55.2
18	CMH 15-005	56.3	54.4	55.4	56.6	55.0	53.9	53.1	55.1	56.6	50.2	59.0	58.5	56.9	55.5
19	CP 777	57.0	55.3	54.7	56.5	54.0	56.6	54.6	55.6	55.8	52.4	59.8	57.7	56.7	56.0
20	CP 858	53.3	54.5	55.6	52.9	53.6	54.1	52.9	53.8	53.5	51.8	59.0	59.3	56.2	54.3
21	DAS-MH-114	56.4	56.0	53.5	55.3	55.3	54.3	55.4	55.3	55.5	51.9	60.4	59.1	57.2	55.8
22	DAS-MH-115	52.6	55.9	51.8	53.1	53.5	53.8	53.2	53.4	53.8	54.1	59.7	56.7	55.8	53.5
23	DKC 9182 (IR8513)	56.1	54.2	53.6	55.1	54.1	54.3	54.1	54.4	56.2	56.8	59.7	58.9	56.6	55.1
24	DKC 9185 (IR8449)	53.8	55.1	54.8	53.8	55.4	55.3	53.9	54.7	52.8	49.6	58.1	58.5	55.3	54.7
25	DKC9189 (IR8545)	53.7	56.5	54.5	54.2	53.6	55.9	52.4	54.2	53.6	52.6	59.0	59.2	55.9	54.7
26	GH 160131	52.7	55.5	56.2	53.9	54.3	53.7	54.3	54.4	52.6	58.4	60.8	59.4	56.9	55.4
27	GH 160224	54.8	54.2	52.4	54.8	55.5	55.0	53.5	54.3	53.4	50.4	57.8	58.5	55.6	54.9
28	GH-1301	53.1	52.3	55.7	51.1	51.5	53.6	52.5	53.0	52.4	52.4	58.8	60.4	55.8	54.1
29	GIN-04	55.3	53.3	56.1	54.0	53.5	54.6	53.3	54.4	53.5	48.3	59.0	56.5	55.1	54.5
30	GK 3211	52.8	54.3	51.2	52.6	53.3	54.9	51.3	53.0	53.0	52.9	59.3	57.7	55.7	54.2
31	HT 17169	54.2	54.1	55.2	54.6	54.9	55.2	54.6	54.6	56.2	51.7	61.0	58.7	57.1	55.2

Table No. 1: (Contd).

Days to 50% Pollen Shed

Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
32	IIMRNH 1701	58.1	55.5	51.7	54.2	54.8	56.1	55.2	55.0	52.3	52.8	60.5	58.7	56.8	55.8
33	IIMRNH 1703	54.4	54.5	51.7	53.6	53.0	55.1	53.1	53.5	54.3	55.5	59.1	56.8	56.3	54.2
34	IIMRNH 1704	52.8	54.4	51.0	52.8	54.3	54.8	52.3	53.2	54.5	53.0	59.3	57.6	55.7	53.9
35	IIMRNH 1705	53.5	54.0	52.8	52.9	53.3	53.5	51.2	52.9	54.4	36.6	58.8	56.7	51.3	53.0
36	IMHBG-17K-20	53.8	53.5	53.5	51.7	54.1	52.2	50.3	52.7	52.1	51.1	57.9	52.9	53.4	52.9
37	IMHBG-17K-23	57.3	55.2	53.7	53.3	56.2	56.9	54.5	55.5	56.9	52.7	61.6	59.2	57.6	56.2
38	IMHBG-17K-24	56.5	55.1	56.7	57.0	57.0	56.7	55.2	56.3	57.4	52.6	61.5	58.7	57.7	57.1
39	IMHBG-17K-25	55.6	56.3	52.5	54.2	55.5	55.9	52.9	54.8	56.2	47.5	60.1	59.9	56.8	55.1
40	JH 13336	56.0	55.7	53.0	55.2	56.0	55.8	54.3	55.2	57.5	47.1	59.2	60.9	56.8	55.6
41	JH 13346	52.9	53.3	54.1	52.6	53.1	54.5	52.9	53.4	55.9	55.9	59.3	58.8	57.1	54.4
42	JH 16031	52.5	53.0	53.1	52.9	52.5	53.8	51.8	52.6	54.7	50.5	57.7	59.3	56.0	53.7
43	JH 16034	52.0	53.5	53.7	52.8	52.3	53.8	50.3	52.6	55.0	56.9	59.8	57.7	56.3	53.5
44	JH 16040	54.5	54.0	53.1	55.2	54.0	55.1	53.4	54.2	54.3	51.3	61.7	60.5	57.4	55.3
45	JH 16041	55.9	56.0	53.6	54.7	54.5	54.8	52.9	54.7	58.0	54.7	58.6	59.1	57.2	55.0
46	JH 16046	55.9	55.4	54.5	53.2	53.7	54.7	54.1	54.5	55.2	53.1	58.8	59.9	56.9	54.8
47	JH 16054	55.9	55.2	54.3	54.9	52.7	54.5	53.4	54.5	56.6	51.4	58.6	58.5	56.2	55.1
48	JH 16081	56.7	54.4	54.8	54.5	54.8	54.6	53.3	54.7	54.7	52.0	59.3	58.7	56.0	55.4
49	JH 16118	51.8	53.9	53.0	53.2	53.2	53.8	52.0	52.9	54.2	51.0	57.2	58.1	55.7	53.7
50	JH 16209	52.2	52.1	53.0	52.9	53.9	53.0	53.4	52.8	53.2	49.3	57.6	58.1	55.4	53.3
51	JKMH 150375	55.7	56.0	54.0	56.3	55.1	54.1	54.4	54.8	54.9	51.4	59.9	58.0	56.3	55.4
52	KH-2193	55.1	57.2	54.0	54.6	54.1	54.4	53.3	54.6	54.3	52.5	62.6	59.4	57.1	55.7
53	KMH 463	54.4	54.6	53.8	54.9	55.4	54.4	52.3	54.2	55.7	51.2	61.0	58.7	56.7	55.2
54	KNMH-4410	52.0	53.0	53.3	52.0	50.5	54.8	48.6	52.0	52.5	51.6	58.4	53.6	54.2	52.3
55	KNMH-4513	52.8	53.8	53.0	51.6	52.2	53.9	49.6	52.2	51.6	51.1	59.1	53.5	54.0	52.5
56	MAH-2014-19	54.4	53.1	54.8	52.1	52.5	53.1	53.8	53.7	52.8	50.5	58.9	56.8	54.9	54.3
57	MAH-2014-3	54.3	54.7	53.7	54.3	54.3	54.5	52.4	54.1	56.9	53.9	59.2	58.4	56.9	55.2
58	MFH 16-21	53.9	53.8	56.4	54.4	52.4	55.0	51.3	53.8	52.6	51.3	59.2	60.2	55.6	54.5
59	MFH 16-22	52.4	52.4	52.3	52.5	52.4	53.9	50.6	52.3	52.9	53.5	58.2	56.1	54.8	53.1
60	NMH-4530	56.2	55.1	54.1	53.4	55.8	54.4	54.3	54.5	53.1	57.5	59.9	57.8	56.3	55.4
61	NS 8282	50.5	52.7	54.5	49.9	50.0	53.8	49.7	51.6	49.9	51.2	57.0	55.9	53.7	52.4
62	OMH16-1	57.6	56.6	55.7	57.3	56.6	56.5	55.7	56.6	54.8	53.7	63.8	60.6	58.2	56.8

Table No. 1: (Contd).		Days to 50% Pollen Shed													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
63	OMH16-2	57.6	55.3	55.0	54.8	54.6	55.1	54.8	55.5	56.4	52.9	60.3	58.2	56.9	56.7
64	OMH16-3	53.4	54.0	52.9	55.1	54.9	54.8	52.6	54.0	54.9	52.4	58.9	58.4	56.1	54.7
65	PM17101L	53.0	54.6	52.8	52.0	54.4	54.6	52.5	53.4	52.4	52.5	57.2	56.6	54.9	53.6
66	PM17104L	54.6	55.7	55.2	55.2	52.6	56.1	51.6	54.5	54.0	52.9	59.0	59.9	56.0	54.7
67	PM17105L	52.1	52.5	54.1	53.3	53.2	55.3	53.4	53.2	51.4	52.1	58.4	54.4	54.3	53.8
68	PM17106L	53.5	56.1	54.1	53.4	55.0	55.5	52.7	54.2	54.6	51.4	59.0	59.3	56.1	55.0
69	QMH-1347	51.9	54.6	53.2	52.7	52.4	54.7	50.7	52.9	53.2	50.3	58.4	57.4	55.3	53.4
70	QMH-1353	52.8	54.5	54.4	54.0	53.1	53.9	53.2	53.5	53.7	53.2	59.8	56.5	55.2	53.9
71	QMH-1420	50.5	50.8	54.1	48.9	50.4	52.6	48.8	51.0	48.4	53.2	58.9	55.9	54.0	52.4
72	REH 2015-7	49.1	51.6	52.4	48.4	50.0	49.9	47.4	49.9	47.1	34.2	59.1	53.4	48.8	51.6
73	Rasi-2432	52.5	53.4	51.8	52.4	51.3	54.6	51.1	52.3	52.0	55.0	58.6	55.7	54.6	53.4
74	Rasi-3499	55.9	55.1	54.6	56.3	54.2	55.4	55.2	55.2	55.1	59.1	61.3	60.1	57.4	55.6
75	SVMH-66	54.6	56.0	53.7	54.3	53.5	55.7	53.6	54.5	56.0	57.0	61.5	59.0	57.5	55.2
76	Super-1818	55.9	56.1	53.7	56.1	55.4	55.5	53.1	55.1	55.1	51.3	62.7	59.3	57.1	55.8
77	TA 5084	54.7	53.7	53.3	53.9	52.2	54.2	54.0	53.8	51.8	54.7	58.6	57.9	55.4	54.3
78	TMMH 2840	55.4	55.7	55.7	54.5	54.3	55.3	54.2	55.2	53.0	52.4	62.3	59.4	56.8	55.5
79	TS 2505	55.8	54.8	52.6	55.6	55.8	55.3	53.6	54.7	52.7	48.7	58.5	57.2	54.7	54.7
80	VEH-17-1	47.6	51.3	51.6	47.4	48.0	51.1	46.3	49.0	45.6	49.4	53.6	51.5	50.3	50.4
81	VNR-35379	58.7	56.7	54.1	54.6	56.4	57.2	55.8	56.5	57.9	54.1	62.7	59.7	58.2	57.0
82	CMH 08-282 (C)	51.7	52.4	52.9	52.5	53.8	53.7	51.5	52.6	51.9	37.9	57.9	55.1	50.2	52.1
83	CMH 08-287 (C)	55.1	56.6	55.4	55.5	55.4	54.9	52.8	55.2	57.1	48.5	59.4	59.7	56.5	55.1
84	BIO 9682 (C)	54.6	55.7	54.9	54.3	52.9	54.6	51.5	53.9	54.7	52.5	59.1	59.6	56.1	55.0
	Location Mean	54.3	54.5	53.7	53.6	53.7	54.7	52.6	53.9	53.9	50.7	59.3	57.9	55.4	54.4
	CV (%)	2.1	2.3	4.2	2.3	2.2	2.0	2.1	2.5	2.5	14.4	2.5	2.7	7.0	4.7
	F (Prob)	0.00	0.00	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CD (5%)	1.8	2.1	3.6	2.0	1.9	1.7	1.8	0.9	2.2	11.8	2.4	2.5	3.2	0.9
	CD (1%)	2.4	2.7	4.8	2.6	2.5	2.3	2.3	1.1	2.9	15.6	3.2	3.3	4.3	1.2

Table No. 1: (Contd). Days to 50% Silking														
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III(NEPZ)								
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	14561-010-04-01-03-3-2	55.9	54.4	52.3	54.3	65.1	56.1	61.5	57.7	57.5	65.5	.	.	
2	16402-008-03-03	59.0	52.6	55.1	55.9	.	56.4	57.3	57.9	.	67.7	.	.	
3	20637-009-03-02	54.8	53.4	53.4	54.2	55.8	55.7	58.2	58.3	.	65.9	.	.	
4	ADV 1390064	57.2	57.7	56.2	56.9	62.8	59.5	59.7	52.1	58.3	63.8	62.7	60.0	
5	ADV 1390164	55.5	56.4	54.4	55.7	60.6	59.0	58.1	50.6	59.8	62.8	58.7	59.3	
6	AH-1608	55.0	52.0	53.0	53.0	57.6	55.6	54.8	55.2	54.8	56.8	55.2	55.6	
7	AH-1645	57.7	50.2	52.7	53.8	56.4	54.6	54.8	48.1	55.9	53.0	52.7	53.8	
8	AH-8183	57.9	57.8	53.9	57.0	59.3	58.1	58.1	53.4	55.9	63.5	60.1	58.7	
9	AMH-15119	57.7	54.9	54.7	55.4	60.0	59.0	59.6	54.8	56.0	64.0	59.2	58.9	
10	AYN716443	59.0	56.3	55.0	56.8	58.4	57.3	58.7	54.8	58.2	57.1	60.0	57.7	
11	B-57	59.5	53.3	53.3	55.4	59.0	54.6	56.8	51.8	55.7	57.8	60.3	56.8	
12	BH 415017	58.6	52.0	52.3	54.1	56.3	56.6	56.1	55.3	56.9	56.2	57.7	56.5	
13	BIO 218	57.1	55.8	54.0	55.6	57.8	56.1	56.8	53.5	58.4	63.0	59.5	57.4	
14	CCH 2829	56.6	52.9	53.1	54.1	57.5	56.2	55.8	54.7	56.4	60.7	55.4	56.8	
15	CMH 14-714	56.4	53.6	53.8	54.7	57.9	56.5	56.0	54.6	56.3	57.7	57.0	56.6	
16	CMH 14-720	55.9	56.4	54.3	55.2	58.5	59.0	56.7	54.5	58.2	60.1	58.9	57.8	
17	CMH 14-721	59.1	56.6	56.1	57.0	58.3	57.8	59.4	56.4	58.7	60.5	58.1	58.5	
18	CMH 15-005	54.2	57.0	54.9	55.6	59.5	56.8	57.4	58.2	57.8	58.3	58.0	57.7	
19	CP 777	56.8	57.2	55.8	56.7	61.0	58.7	59.1	53.4	59.8	65.7	61.3	59.4	
20	CP 858	56.9	55.4	52.6	55.3	57.8	55.9	54.7	52.7	55.7	55.9	58.6	56.4	
21	DAS-MH-114	58.7	54.9	53.7	56.1	58.8	57.3	58.6	57.4	61.4	58.7	59.7	58.8	
22	DAS-MH-115	58.3	53.9	53.4	54.9	53.0	54.5	54.4	50.9	58.6	57.2	56.9	55.0	
23	DKC 9182 (IR8513)	57.4	56.5	53.5	56.2	59.5	55.8	57.5	54.8	56.3	60.3	57.8	57.5	
24	DKC 9185 (IR8449)	57.2	56.3	53.8	56.2	57.9	56.5	57.1	48.0	58.2	61.9	58.0	56.7	
25	DKC9189 (IR8545)	58.1	53.6	55.2	55.8	60.7	56.9	57.5	51.9	56.7	64.5	58.7	57.7	
26	GH 160131	57.4	57.5	55.6	57.1	61.0	56.7	60.6	54.5	56.8	61.9	61.2	58.8	
27	GH 160224	56.0	55.4	54.6	55.5	59.0	56.5	57.7	56.4	60.4	60.5	58.3	58.5	
28	GH-1301	57.8	52.4	53.4	54.2	55.8	57.7	55.0	57.5	55.1	58.0	57.9	57.1	
29	GIN-04	59.3	52.2	53.5	55.0	58.5	56.0	55.6	55.3	55.7	57.9	58.9	56.8	
30	GK 3211	54.8	54.5	54.1	54.4	59.2	57.8	55.0	57.9	56.6	58.1	58.1	57.8	
31	HT 17169	58.2	56.4	55.2	56.2	60.5	58.3	58.6	50.3	60.0	58.7	59.9	57.6	

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Table No. 1: (Contd).		Days to 50% Silking												
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III(NEPZ)								
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
32	IIMRNH 1701	53.9	58.7	55.8	56.2	62.5	57.9	62.5	53.8	59.6	61.2	60.7	59.5	
33	IIMRNH 1703	57.9	57.0	54.3	56.4	59.0	55.4	54.8	50.5	56.6	62.1	57.2	56.5	
34	IIMRNH 1704	58.4	52.8	53.0	54.4	58.2	56.0	55.3	56.3	55.2	63.7	58.2	57.6	
35	IIMRNH 1705	57.0	55.2	53.0	55.5	56.5	55.1	55.4	51.3	56.0	59.6	57.9	55.7	
36	IMHBG-17K-20	57.1	51.1	51.5	53.7	54.8	54.6	53.3	50.0	54.1	54.1	54.9	53.5	
37	IMHBG-17K-23	56.0	55.4	56.6	56.1	60.4	56.9	60.4	58.2	59.7	62.7	58.6	59.6	
38	IMHBG-17K-24	58.8	58.9	56.8	58.2	61.1	57.7	59.6	58.3	59.8	61.8	63.3	60.3	
39	IMHBG-17K-25	54.2	54.6	53.9	54.5	60.7	56.8	58.1	56.2	57.6	59.6	60.5	58.5	
40	JH 13336	57.9	56.4	54.4	56.1	60.3	56.4	57.7	55.3	56.2	61.2	57.7	58.1	
41	JH 13346	56.1	55.5	53.2	54.7	59.2	55.1	58.0	52.9	56.5	59.1	57.8	56.9	
42	JH 16031	56.4	54.5	52.3	54.5	56.9	55.1	57.0	53.0	55.0	58.4	54.7	55.6	
43	JH 16034	58.2	53.0	52.5	54.7	55.8	56.0	55.3	51.2	54.8	55.5	57.2	55.0	
44	JH 16040	55.7	53.8	54.0	54.7	59.2	55.9	57.9	55.2	58.3	58.8	57.0	57.2	
45	JH 16041	57.3	56.5	52.4	55.3	56.7	56.2	56.5	55.1	57.0	58.1	56.6	57.0	
46	JH 16046	53.9	53.3	52.6	53.6	57.1	57.4	56.4	56.9	56.9	60.8	56.3	57.5	
47	JH 16054	56.5	55.5	54.5	55.5	59.8	56.6	57.6	56.8	57.8	59.6	60.1	57.9	
48	JH 16081	59.3	56.9	54.2	56.9	61.3	57.5	57.0	56.2	58.4	57.5	58.9	57.7	
49	JH 16118	57.7	53.6	53.6	54.7	58.8	56.0	56.5	49.8	56.4	58.7	56.6	55.9	
50	JH 16209	55.6	51.9	53.2	53.6	56.9	54.9	55.5	49.4	55.6	58.4	54.8	54.9	
51	JKMH 150375	59.4	58.7	53.7	56.9	59.6	56.3	61.3	56.8	57.7	61.1	57.8	58.7	
52	KH-2193	57.1	57.9	54.3	56.3	59.8	57.1	61.6	56.3	59.4	63.1	59.7	59.5	
53	KMH 463	58.6	54.1	54.1	55.9	61.0	55.1	59.7	51.3	58.5	61.0	59.9	58.4	
54	KNMH-4410	55.3	50.1	52.5	52.6	54.2	55.4	52.5	53.2	55.7	55.3	56.5	54.6	
55	KNMH-4513	55.0	51.6	52.9	53.0	54.9	55.2	54.8	51.6	57.3	54.5	57.6	55.1	
56	MAH-2014-19	60.4	57.8	53.3	56.9	57.7	56.8	55.6	56.3	57.6	57.1	56.4	56.9	
57	MAH-2014-3	57.3	57.4	54.8	56.3	58.2	57.9	59.4	58.0	58.2	61.3	59.6	58.5	
58	MFH 16-21	58.3	56.1	55.0	55.8	57.9	57.0	57.7	54.0	56.7	62.8	57.8	57.6	
59	MFH 16-22	60.5	54.8	53.6	56.0	55.8	55.4	54.0	51.6	55.6	59.2	56.4	55.1	
60	NMH-4530	59.3	56.5	54.9	56.9	59.5	57.0	60.5	54.7	57.2	62.2	59.7	58.6	
61	NS 8282	57.5	51.9	53.7	54.0	55.2	55.5	54.6	53.8	57.0	55.4	56.2	55.8	
62	OMH16-1	57.8	56.8	55.3	56.8	63.5	57.9	60.8	52.7	59.1	59.1	61.7	59.5	

Table No. 1: (Contd).		Days to 50% Silking											
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III (NEPZ)							
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
63	OMH16-2	58.8	58.7	54.0	57.3	60.9	58.9	62.3	58.6	60.1	65.9	65.4	61.8
64	OMH16-3	57.6	54.1	53.2	55.0	57.0	56.3	55.1	53.6	58.2	59.0	60.2	57.3
65	PM17101L	56.9	52.4	52.3	53.4	54.4	55.8	56.1	56.6	56.7	56.9	53.1	55.8
66	PM17104L	58.0	58.1	52.7	56.7	59.0	54.5	56.5	47.4	56.0	58.6	57.9	55.8
67	PM17105L	59.7	53.5	52.8	55.2	58.2	57.0	56.4	52.6	56.3	57.3	57.9	56.8
68	PM17106L	58.7	56.4	55.5	56.6	62.1	57.7	59.0	47.2	60.6	62.7	60.1	58.5
69	QMH-1347	58.5	53.6	54.3	55.4	56.8	56.9	57.6	52.6	57.0	57.5	57.1	56.3
70	QMH-1353	55.8	54.9	53.6	54.3	56.2	57.3	59.2	47.7	54.7	60.1	60.1	56.6
71	QMH-1420	60.8	52.9	52.5	55.6	55.3	56.6	54.4	52.6	56.0	58.4	56.5	56.3
72	REH 2015-7	60.7	50.9	51.6	54.3	55.9	54.7	53.8	58.6	54.5	56.6	54.3	55.8
73	Rasi-2432	59.8	52.3	53.5	54.9	57.4	57.3	54.4	53.1	55.7	53.9	55.3	55.0
74	Rasi-3499	59.2	55.9	53.3	56.6	62.4	56.0	57.8	57.1	56.8	61.4	58.6	58.3
75	SVMH-66	57.1	56.5	56.4	57.1	59.0	57.8	59.5	48.4	58.2	63.1	59.5	57.9
76	Super-1818	55.5	57.8	54.1	55.3	62.6	59.2	60.9	50.8	59.8	61.6	59.8	59.1
77	TA 5084	53.1	55.5	52.6	54.1	58.9	57.4	56.8	58.0	57.0	57.4	55.6	57.6
78	TMMH 2840	57.8	55.8	53.5	55.8	59.0	58.0	58.2	54.3	57.4	64.4	57.0	58.5
79	TS 2505	55.5	56.8	54.2	55.7	59.4	56.8	57.3	56.0	57.6	62.1	58.2	58.0
80	VEH-17-1	57.3	51.3	52.4	53.3	53.3	54.1	51.4	50.5	57.5	52.2	50.4	53.1
81	VNR-35379	56.8	59.7	55.7	57.4	60.7	58.3	62.4	55.0	61.1	64.3	60.8	60.3
82	CMH 08-282 (C)	55.7	51.5	53.6	53.7	55.8	54.8	53.4	49.5	54.7	57.1	54.4	54.3
83	CMH 08-287 (C)	58.4	58.1	53.4	56.4	59.3	55.6	57.0	48.4	59.0	59.1	58.9	56.7
84	BIO 9682 (C)	59.9	56.6	55.3	57.0	58.3	58.6	57.6	51.5	58.6	62.1	60.1	58.1
	Location Mean	57.4	55.0	53.9	55.4	58.5	56.6	57.3	53.8	57.3	59.8	58.1	57.3
	CV (%)	4.2	2.9	2.2	3.3	2.8	2.7	2.9	7.1	2.4	4.9	2.7	4.0
	F (Prob)	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
	CD (5%)	3.9	2.6	1.9	1.8	2.6	2.5	2.7	6.2	2.2	4.7	2.6	1.5
	CD (1%)	5.2	3.4	2.5	2.3	3.5	3.3	3.5	8.2	2.9	6.2	3.4	2.0

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Table No. 1: (Contd).		Days to 50% Silking													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	14561-010-04-01-03-3-2	57.6	58.4	56.6	53.6	54.4	59.1	55.3	56.4	55.8	40.6	55.8	58.4	50.8	.
2	16402-008-03-03	57.6	59.7	56.0	53.9	55.9	58.2	55.5	56.6	55.9	18.4	58.5	59.2	44.4	.
3	20637-009-03-02	58.7	56.6	54.8	50.6	55.3	57.3	53.0	55.2	53.4	-2.7	56.2	57.1	36.9	.
4	ADV 1390064	58.3	59.5	57.0	57.2	57.9	57.4	57.0	57.9	61.5	53.2	74.0	62.1	59.6	58.7
5	ADV 1390164	60.6	58.1	56.1	56.8	56.8	58.0	55.8	57.7	58.4	57.1	57.7	61.2	58.6	58.1
6	AH-1608	54.2	55.4	57.3	52.6	54.5	54.6	53.5	54.5	54.5	58.5	69.5	59.1	56.4	55.0
7	AH-1645	54.3	54.5	56.2	53.4	55.3	53.5	52.5	54.3	53.3	52.0	54.6	56.1	54.7	54.1
8	AH-8183	57.5	57.8	56.7	56.0	57.4	57.4	57.2	57.3	57.7	56.3	63.2	61.5	58.3	57.9
9	AMH-15119	56.6	59.7	55.6	55.9	56.7	55.9	55.9	56.6	56.3	53.3	61.7	61.7	57.3	57.3
10	AYN716443	57.2	56.8	57.3	56.9	57.3	55.4	55.3	56.5	57.9	58.4	60.7	61.7	58.4	57.2
11	B-57	54.9	58.1	56.3	54.7	55.6	54.7	53.9	55.4	56.5	53.7	55.4	58.8	56.4	56.1
12	BH 415017	54.2	56.0	56.0	53.7	54.8	55.0	53.7	54.7	56.3	54.5	59.4	60.0	57.1	55.6
13	BIO 218	55.4	57.8	54.4	55.7	56.1	54.6	55.8	55.8	55.9	50.1	55.5	60.8	57.1	56.5
14	CCH 2829	56.6	58.4	57.3	53.3	55.6	57.3	54.2	56.1	55.8	53.1	61.5	61.5	57.1	56.2
15	CMH 14-714	55.0	56.5	56.6	55.6	54.5	55.8	53.5	55.3	56.4	55.3	35.8	60.2	57.4	56.0
16	CMH 14-720	57.1	59.3	56.7	56.9	56.8	56.8	55.0	56.8	55.0	53.6	58.2	61.4	57.4	57.0
17	CMH 14-721	57.7	58.2	57.1	57.8	57.7	58.0	56.3	57.6	56.3	55.2	64.0	61.6	57.7	57.8
18	CMH 15-005	58.2	57.4	58.5	58.7	55.8	55.1	55.7	57.2	59.4	52.9	72.0	60.6	59.0	57.4
19	CP 777	59.0	58.1	57.7	58.5	56.2	57.9	57.9	57.9	59.1	55.2	61.8	60.2	58.4	58.4
20	CP 858	55.3	57.6	58.8	54.7	57.2	54.3	56.3	56.3	56.2	54.8	56.1	61.7	57.7	56.4
21	DAS-MH-114	58.2	59.0	56.9	57.4	57.8	57.2	58.3	58.0	58.3	55.1	59.6	61.3	58.7	58.1
22	DAS-MH-115	54.7	59.0	54.7	55.1	55.2	55.1	56.1	55.7	56.8	57.2	58.9	59.0	57.1	55.5
23	DKC 9182 (IR8513)	57.9	57.7	56.2	57.2	57.1	55.2	56.3	56.7	59.4	59.4	62.3	60.8	58.1	57.2
24	DKC 9185 (IR8449)	56.7	58.5	57.3	55.8	55.9	56.4	56.6	57.0	56.4	52.3	57.8	61.1	57.8	56.9
25	DKC9189 (IR8545)	56.5	59.5	57.6	56.3	56.0	57.6	55.7	56.9	56.9	55.3	59.3	61.3	57.9	57.2
26	GH 160131	54.8	58.7	59.0	56.0	58.2	55.8	57.2	57.1	55.7	62.0	63.1	61.7	58.2	57.9
27	GH 160224	56.7	56.9	55.7	56.9	57.4	56.3	56.2	56.6	56.5	53.4	59.8	60.9	57.6	57.2
28	GH-1301	54.8	55.4	58.2	53.6	55.0	54.7	55.0	55.3	54.9	55.4	73.4	62.6	57.5	56.1
29	GIN-04	57.2	56.2	59.8	55.9	55.3	55.1	56.1	56.7	56.0	51.1	59.4	59.6	56.5	56.4
30	GK 3211	55.5	57.5	55.5	55.3	57.9	57.1	53.7	56.1	55.6	56.0	61.2	60.4	57.0	56.6
31	HT 17169	56.2	57.1	57.7	56.7	59.6	57.1	57.6	57.2	58.6	55.1	60.8	60.8	58.4	57.4

Table No. 1: (Contd).

Days to 50% Silking

Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
32	IIMRNH 1701	60.2	58.6	54.6	56.1	59.6	57.0	58.5	57.8	55.3	55.9	59.9	61.0	58.0	58.2
33	IIMRNH 1703	56.2	57.2	55.0	55.7	56.5	56.7	56.7	56.1	58.0	58.4	59.9	58.7	58.2	56.6
34	IIMRNH 1704	55.0	57.3	53.8	55.2	55.9	55.8	55.0	55.4	57.0	55.9	62.2	59.8	57.2	56.3
35	IIMRNH 1705	55.4	57.0	55.1	55.0	54.8	54.8	53.4	55.0	57.1	38.9	59.9	59.0	51.1	54.7
36	IMHBG-17K-20	56.2	54.5	56.4	53.8	54.9	53.2	53.8	54.6	56.7	54.2	58.4	55.4	55.4	54.2
37	IMHBG-17K-23	59.1	58.5	56.1	55.4	59.5	58.1	57.8	58.0	60.3	55.4	64.8	61.8	59.2	58.4
38	IMHBG-17K-24	57.4	58.2	59.4	58.9	59.4	58.3	57.9	58.5	60.2	55.9	61.8	61.1	59.1	59.2
39	IMHBG-17K-25	57.8	59.2	56.1	56.2	58.0	56.5	55.7	57.2	59.9	50.8	35.0	62.4	59.0	57.5
40	JH 13336	58.1	58.5	56.0	57.2	59.5	56.8	56.9	57.6	60.3	49.9	61.1	63.0	58.7	57.7
41	JH 13346	55.2	56.3	57.3	54.3	54.5	55.5	55.3	55.6	58.7	59.2	62.5	62.2	59.3	56.4
42	JH 16031	54.5	55.6	56.4	55.6	55.4	54.8	55.0	55.1	57.6	53.5	58.9	61.6	58.1	55.6
43	JH 16034	54.1	55.8	56.6	54.9	54.4	54.6	52.9	54.6	58.3	60.0	61.2	60.3	58.4	55.4
44	JH 16040	56.6	56.9	56.6	57.3	56.9	55.6	55.7	56.5	56.1	54.2	61.5	62.6	58.1	56.7
45	JH 16041	57.8	59.9	56.5	57.1	57.4	56.2	55.7	57.3	61.1	58.5	57.6	61.2	59.4	57.2
46	JH 16046	57.8	58.3	57.5	55.2	55.7	55.4	56.8	56.8	57.7	56.5	60.3	62.2	59.0	56.9
47	JH 16054	58.0	58.2	57.0	57.0	55.9	56.3	56.7	57.1	59.2	54.1	33.7	61.1	58.6	57.4
48	JH 16081	58.9	57.4	57.2	56.8	57.5	56.0	55.6	57.0	58.3	54.8	56.3	61.1	57.9	57.4
49	JH 16118	54.1	56.3	56.5	55.3	55.6	54.8	55.3	55.3	56.9	54.2	59.9	60.6	57.5	55.7
50	JH 16209	54.5	55.7	56.3	54.9	55.8	54.0	56.5	55.2	56.0	52.2	60.1	60.1	57.0	55.1
51	JKMH 150375	57.8	58.8	56.7	58.0	56.0	55.2	57.2	56.9	57.6	54.4	61.0	60.4	57.9	57.6
52	KH-2193	57.6	59.5	58.1	56.4	57.4	55.5	56.4	57.3	57.9	55.9	64.4	61.6	58.0	58.0
53	KMH 463	56.6	57.7	56.7	56.8	58.5	55.5	55.3	56.7	58.2	54.7	37.0	61.2	58.1	57.4
54	KNMH-4410	54.0	55.8	56.1	53.9	52.4	55.6	52.5	54.3	55.8	54.3	59.5	56.1	55.6	54.4
55	KNMH-4513	55.0	56.7	56.2	53.4	53.4	55.0	52.4	54.5	54.9	53.8	57.4	56.6	55.5	54.6
56	MAH-2014-19	56.3	57.2	59.1	54.6	56.2	53.8	57.0	56.5	56.0	53.7	73.2	59.5	56.7	56.7
57	MAH-2014-3	56.2	57.8	56.4	56.3	56.9	55.5	55.4	56.3	59.4	56.0	59.1	60.5	58.5	57.4
58	MFH 16-21	56.7	57.1	58.4	56.5	56.3	57.2	55.1	56.6	54.4	54.3	60.6	62.1	57.3	56.9
59	MFH 16-22	55.1	55.4	55.3	54.5	54.9	54.8	54.3	54.8	56.3	56.0	59.9	58.2	56.1	55.3
60	NMH-4530	58.1	58.4	57.0	55.4	58.3	55.9	57.5	57.0	55.7	60.7	61.9	60.3	57.4	57.6
61	NS 8282	52.9	55.9	57.4	52.0	53.1	55.1	52.8	54.2	53.1	54.4	220.3	58.2	55.8	55.0
62	OMH16-1	59.7	59.0	58.7	59.2	59.0	58.4	59.4	59.1	58.1	56.4	38.0	63.1	59.0	58.9

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Table No. 1: (Contd). Days to 50% Silking

Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
63	OMH16-2	59.5	58.2	58.2	57.0	58.1	57.4	57.8	58.1	59.6	55.8	63.8	60.6	58.7	59.4
64	OMH16-3	55.6	57.3	56.2	57.2	55.9	55.4	55.2	56.2	57.6	55.2	70.7	60.4	58.0	56.7
65	PM17101L	55.6	57.9	56.0	54.1	56.4	55.5	54.7	55.7	55.0	55.8	70.7	59.6	56.8	55.5
66	PM17104L	56.5	59.2	58.3	57.3	54.7	57.1	54.6	56.9	57.7	57.1	57.6	62.0	58.2	56.7
67	PM17105L	54.3	55.7	57.3	55.3	55.9	55.5	56.0	55.4	54.0	55.2	71.0	57.2	55.7	55.9
68	PM17106L	55.9	59.9	57.0	55.5	57.2	56.4	55.9	56.8	57.7	54.3	59.0	61.5	57.8	57.5
69	QMH-1347	53.9	57.4	55.9	54.7	55.3	55.7	53.9	55.3	55.6	52.6	59.5	60.1	56.9	55.9
70	QMH-1353	55.2	56.8	56.8	56.1	55.3	55.2	55.6	55.7	56.2	57.1	74.3	58.9	56.9	56.0
71	QMH-1420	53.3	53.8	56.4	50.9	53.1	53.8	52.4	53.5	51.6	56.4	60.0	58.4	55.6	55.1
72	REH 2015-7	52.4	54.4	55.1	50.5	53.6	51.3	51.2	52.7	49.4	36.1	60.1	55.8	47.4	53.2
73	Rasi-2432	54.6	56.5	53.9	54.4	52.8	56.0	54.0	54.4	54.1	58.0	56.6	57.7	55.9	54.9
74	Rasi-3499	57.7	57.9	57.7	58.4	57.1	57.2	58.1	57.7	58.5	61.5	62.1	62.1	58.4	57.9
75	SVMH-66	57.6	59.1	56.3	56.3	58.4	57.3	56.8	57.5	58.7	60.1	64.5	62.1	58.6	57.8
76	Super-1818	58.0	59.0	56.8	58.1	58.0	55.9	56.4	57.4	58.3	53.8	76.3	61.7	57.9	57.8
77	TA 5084	56.7	56.5	56.6	55.9	54.1	55.2	57.0	56.1	55.3	58.5	34.1	60.0	57.3	56.5
78	TMMH 2840	57.5	58.7	58.1	56.3	56.7	57.1	56.9	57.6	55.6	55.3	64.9	62.2	57.8	57.6
79	TS 2505	57.9	57.4	55.7	57.6	57.3	56.5	56.0	56.8	54.8	51.5	62.1	59.6	56.4	57.0
80	VEH-17-1	50.9	54.2	54.4	49.5	49.9	51.8	49.2	51.4	51.4	52.2	66.0	54.1	53.4	52.5
81	VNR-35379	60.7	59.7	57.2	56.8	59.5	59.7	59.7	59.3	60.9	57.2	61.7	61.9	59.7	59.4
82	CMH 08-282 (C)	53.8	55.5	55.4	54.5	57.3	54.7	54.3	55.1	55.0	39.8	68.8	57.9	50.1	53.9
83	CMH 08-287 (C)	57.2	59.4	58.2	57.3	58.0	55.7	55.0	57.4	60.0	51.3	60.2	61.9	58.5	57.1
84	BIO 9682 (C)	56.6	58.9	57.7	56.7	55.7	55.7	54.2	56.4	57.1	56.2	59.9	62.0	57.8	57.3
	Location Mean	56.4	57.5	56.7	55.6	56.3	55.9	55.5	56.3	56.8	53.6	61.9	60.3	56.9	56.6
	CV (%)	2.0	2.2	4.0	2.2	2.2	2.0	2.4	2.5	2.9	14.5	49.7	2.5	8.2	4.5
	F (Prob)	0.00	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00
	CD (5%)	1.8	2.1	3.7	2.0	2.0	1.9	2.1	0.9	2.6	12.5	49.7	2.4	4.5	0.9
	CD (1%)	2.4	2.7	4.8	2.6	2.6	2.4	2.8	1.2	3.5	16.6	65.7	3.2	5.9	1.2

Table No. 1: (Contd). Days to 75% Dry Husk													
Sl. No.	Entry Name	Zone-II (NHZ)			Zone-III(NEPZ)								
		Karnal	Ludhiana	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	14561-010-04-01-03-3-2	92.2	87.2	89.0	93.7	94.4	88.8	120.2	100.2	.	.	.	
2	16402-008-03-03	91.3	86.0	88.8	.	93.8	89.7	120.9	.	.	.	.
3	20637-009-03-02	93.0	85.9	89.3	88.3	93.8	87.1	118.7	.	90.1	.	.	
4	ADV 1390064	94.0	92.8	93.5	88.2	97.1	92.3	122.7	100.6	89.5	97.2	98.0	
5	ADV 1390164	89.8	92.5	91.0	94.7	96.8	91.9	122.3	101.0	87.9	96.5	99.0	
6	AH-1608	88.3	88.6	88.0	91.1	92.9	81.9	118.7	85.5	78.6	85.9	91.0	
7	AH-1645	85.8	87.5	86.7	89.2	92.3	84.9	121.5	95.9	81.7	86.4	93.3	
8	AH-8183	94.9	91.9	93.2	95.6	95.8	93.7	117.8	97.1	89.5	100.6	98.4	
9	AMH-15119	90.8	91.8	91.2	93.2	95.6	92.8	123.8	98.0	92.8	94.7	98.4	
10	AYN716443	88.6	90.8	89.1	90.1	95.4	88.4	119.1	102.0	85.8	98.5	96.5	
11	B-57	92.2	91.8	91.6	91.9	92.7	89.6	121.5	96.2	86.0	95.1	96.1	
12	BH 415017	87.9	89.3	88.5	89.5	93.6	88.1	119.2	98.7	85.0	88.5	94.9	
13	BIO 218	92.2	92.9	93.1	94.0	93.5	93.3	119.0	99.9	93.4	99.0	98.7	
14	CCH 2829	85.2	89.2	87.3	92.8	93.4	91.0	116.1	98.0	93.0	96.5	97.1	
15	CMH 14-714	86.7	90.0	88.7	91.3	94.2	88.5	116.8	95.9	83.1	90.4	94.5	
16	CMH 14-720	91.2	89.3	90.4	92.2	95.9	89.4	121.3	100.1	87.7	97.3	97.8	
17	CMH 14-721	94.2	91.1	92.3	93.2	95.2	92.2	123.4	98.5	86.6	98.9	98.2	
18	CMH 15-005	92.8	88.8	91.4	92.5	94.7	86.3	118.8	97.7	85.9	88.8	95.1	
19	CP 777	91.7	91.1	91.6	91.7	95.8	92.0	119.7	98.8	88.0	98.9	97.9	
20	CP 858	90.9	92.0	91.1	91.8	92.8	92.6	116.0	96.5	85.7	94.1	95.9	
21	DAS-MH-114	91.4	90.8	91.1	92.6	94.4	89.5	120.5	100.6	85.3	94.7	96.7	
22	DAS-MH-115	94.9	92.6	93.7	95.0	92.2	82.7	117.7	100.8	92.5	100.8	97.0	
23	DKC 9182 (IR8513)	90.6	90.8	90.8	92.0	93.2	90.4	122.3	96.9	92.2	93.1	97.0	
24	DKC 9185 (IR8449)	92.0	92.8	92.8	93.4	94.6	93.1	118.1	100.2	96.2	100.7	99.4	
25	DKC9189 (IR8545)	92.6	91.8	92.6	93.8	94.5	92.2	122.3	97.9	96.8	95.5	99.0	
26	GH 160131	90.5	90.0	90.0	91.8	94.3	89.6	121.6	98.6	86.3	94.9	96.4	
27	GH 160224	93.5	89.2	91.6	93.3	93.8	90.6	120.1	102.8	85.6	95.8	97.5	
28	GH-1301	90.0	90.4	90.5	92.8	94.5	90.0	118.1	95.7	86.7	93.0	96.4	
29	GIN-04	90.1	88.5	89.2	93.2	93.3	88.5	122.4	95.8	84.6	94.9	96.2	
30	GK 3211	93.2	90.1	91.4	94.0	95.0	92.4	118.7	98.2	87.9	95.6	97.1	
31	HT 17169	92.9	93.4	93.0	93.0	95.5	93.9	123.5	101.6	86.1	97.9	98.7	

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Table No. 1: (Contd).		Days to 75% Dry Husk											
Sl. No.	Entry Name	Zone-II (NHZ)			Zone-III(NEPZ)								
		Karnal	Ludhiana	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
32	IIMRNH 1701	90.4	89.7	90.0	94.5	95.5	90.9	123.9	100.5	87.1	97.7	98.7	
33	IIMRNH 1703	89.7	89.6	89.7	91.4	93.0	92.2	118.5	97.9	91.3	93.9	97.1	
34	IIMRNH 1704	86.4	87.9	87.4	91.6	93.2	85.3	113.7	97.3	89.2	90.1	94.7	
35	IIMRNH 1705	86.4	88.2	87.7	91.1	92.9	84.8	123.4	99.0	80.6	91.5	94.2	
36	IMHBG-17K-20	87.9	88.8	88.4	91.8	92.5	86.2	121.2	84.4	80.5	89.0	91.9	
37	IMHBG-17K-23	87.5	89.4	88.4	93.8	94.5	91.7	116.6	99.0	86.6	91.9	96.5	
38	IMHBG-17K-24	88.4	91.9	90.0	95.5	95.7	89.8	117.5	100.8	93.8	97.1	98.8	
39	IMHBG-17K-25	91.3	90.2	91.0	95.7	94.1	87.8	116.4	98.7	87.5	94.1	96.3	
40	JH 13336	87.9	88.3	88.4	92.4	93.6	87.0	119.3	102.0	88.0	94.6	96.8	
41	JH 13346	89.9	90.9	90.1	91.6	92.7	85.8	122.0	98.9	84.4	90.5	95.2	
42	JH 16031	86.4	88.7	87.6	88.8	92.8	85.0	119.5	96.5	84.2	86.5	93.5	
43	JH 16034	89.1	91.3	90.1	90.7	93.7	86.2	122.6	96.3	84.0	87.6	94.5	
44	JH 16040	90.8	91.8	91.1	93.6	93.2	90.5	121.9	99.9	87.5	93.0	96.6	
45	JH 16041	89.1	90.8	89.6	91.3	93.3	86.5	119.8	97.4	86.6	88.8	94.6	
46	JH 16046	92.1	88.1	90.6	91.7	95.1	88.6	117.5	97.5	82.9	87.1	94.6	
47	JH 16054	88.7	89.7	89.0	90.0	93.5	88.0	119.8	98.8	84.3	92.3	95.1	
48	JH 16081	89.3	90.5	89.6	91.8	94.9	89.0	115.3	99.7	90.5	92.2	96.1	
49	JH 16118	87.3	89.7	88.2	89.5	93.8	85.0	120.9	96.7	84.7	88.6	94.1	
50	JH 16209	86.2	90.7	88.2	90.6	92.8	83.8	119.7	98.2	83.6	88.2	93.5	
51	JKMH 150375	91.8	90.6	91.2	92.6	93.4	86.6	122.1	98.4	87.2	90.6	95.9	
52	KH-2193	91.1	92.1	91.6	91.4	94.5	94.0	122.3	100.7	92.8	95.6	98.7	
53	KMH 463	89.2	90.4	89.6	94.1	93.7	90.8	118.9	100.0	88.2	96.4	97.3	
54	KNMH-4410	85.7	86.5	86.3	87.7	93.0	83.6	121.4	97.0	81.3	89.3	93.4	
55	KNMH-4513	88.2	85.3	87.0	90.1	93.1	83.2	119.2	99.0	82.4	89.6	93.8	
56	MAH-2014-19	87.2	89.4	88.4	92.5	94.5	87.1	117.8	98.6	86.8	87.8	95.1	
57	MAH-2014-3	87.7	90.6	89.1	90.7	95.0	86.5	117.4	98.9	87.0	93.8	95.3	
58	MFH 16-21	88.7	86.6	87.9	90.4	94.3	86.5	119.2	98.4	87.6	90.4	95.4	
59	MFH 16-22	88.8	90.7	89.5	90.1	93.2	85.6	118.3	96.6	87.0	89.6	94.1	
60	NMH-4530	93.8	93.7	94.0	92.9	95.2	92.2	120.4	99.7	86.1	96.8	97.4	
61	NS 8282	89.4	87.2	88.7	89.0	92.7	84.3	116.5	96.4	80.5	86.2	93.0	
62	OMH16-1	91.0	89.1	89.7	94.6	95.3	89.6	122.9	99.7	85.1	96.3	97.8	

Table No. 1: (Contd). Days to 75% Dry Husk												
Sl. No.	Entry Name	Zone-II (NHZ)			Zone-III(NEPZ)							
		Karnal Mean	Ludhiana Mean	Zone2 Mean	Baharaich Mean	Bhubaneswar Mean	Dholi Mean	Kalyani Mean	Ranchi Mean	Sabour Mean	Varanasi Mean	Zone3 Mean
63	OMH16-2	91.7	94.4	92.9	95.0	95.9	92.8	118.0	100.7	91.6	99.8	99.1
64	OMH16-3	87.8	91.2	89.8	92.8	94.1	87.3	118.6	97.8	88.2	94.2	96.3
65	PM17101L	87.6	91.5	89.6	90.5	92.9	89.8	119.2	97.2	83.7	88.4	95.2
66	PM17104L	89.7	91.6	90.4	95.3	92.6	90.6	117.7	96.4	87.1	97.0	96.1
67	PM17105L	89.3	90.9	90.2	92.5	94.7	91.4	123.3	97.8	85.9	95.9	97.7
68	PM17106L	92.8	93.3	93.2	96.0	95.5	96.0	119.6	101.5	91.3	97.6	99.5
69	QMH-1347	86.9	90.1	88.1	90.2	94.7	87.3	118.3	97.7	85.0	94.1	95.2
70	QMH-1353	88.1	91.1	89.8	91.4	94.0	89.2	116.0	96.2	86.6	98.6	96.6
71	QMH-1420	88.9	90.5	89.9	90.1	94.0	88.3	119.9	96.2	85.2	93.0	95.6
72	REH 2015-7	86.1	87.6	86.5	90.2	92.7	86.9	116.8	96.0	86.5	88.7	93.9
73	Rasi-2432	89.4	93.2	91.3	91.7	94.9	86.1	122.8	98.8	82.7	96.8	96.0
74	Rasi-3499	91.6	89.7	90.6	95.5	93.9	88.3	121.9	97.4	85.8	97.9	96.9
75	SVMH-66	89.5	91.1	90.1	92.0	95.4	88.2	117.4	99.2	93.9	95.3	97.1
76	Super-1818	92.7	94.6	93.8	93.2	96.6	91.1	118.7	99.3	86.1	96.9	97.8
77	TA 5084	92.1	90.1	91.4	92.5	95.4	89.7	121.3	96.5	86.6	92.4	96.5
78	TMMH 2840	91.9	93.5	92.4	93.9	95.4	91.2	118.0	98.2	98.2	96.0	98.7
79	TS 2505	87.8	89.6	89.1	94.6	93.9	89.2	120.5	100.6	88.3	94.6	97.3
80	VEH-17-1	88.0	83.9	86.4	87.6	92.1	81.1	119.8	98.1	75.4	82.2	91.3
81	VNR-35379	93.2	92.6	92.6	92.8	96.4	90.9	118.6	102.4	88.3	95.4	97.7
82	CMH 08-282 (C)	87.1	89.7	88.7	90.9	92.7	87.2	121.5	95.4	84.7	87.7	94.2
83	CMH 08-287 (C)	91.7	89.5	91.0	93.6	93.5	86.9	119.5	101.1	88.2	91.6	96.3
84	BIO 9682 (C)	90.5	91.2	90.7	94.2	95.8	96.2	120.0	99.1	92.3	99.2	99.2
	Location Mean	90.0	90.3	90.1	92.2	94.2	88.9	119.7	98.2	87.1	93.5	96.6
	CV (%)	2.9	2.2	2.6	2.1	1.5	3.3	3.1	3.3	2.9	2.1	2.8
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.00
	CD (5%)	4.2	3.1	2.8	3.2	2.3	4.7	5.9	5.2	4.0	3.3	1.8
	CD (1%)	5.5	4.1	3.7	4.2	3.1	6.2	7.8	6.9	5.4	4.3	2.3

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Table No. 1: (Contd).		Days to 75% Dry Husk													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	14561-010-04-01-03-3-2	97.2	103.9	97.1	96.6	87.9	91.9	96.4	95.8	89.1	72.4	95.9	85.7	85.2	.
2	16402-008-03-03	96.5	103.1	97.2	96.8	91.0	90.7	95.3	95.9	88.5	29.2	73.4	84.8	69.7	.
3	20637-009-03-02	96.9	106.4	95.9	93.6	88.2	91.0	93.7	95.0	87.0	-2.8	99.0	83.7	66.8	.
4	ADV 1390064	97.4	108.5	97.3	100.1	98.8	97.4	97.4	99.8	96.8	88.3	101.8	85.0	93.7	97.4
5	ADV 1390164	98.1	107.1	97.6	99.8	95.7	94.5	96.5	98.5	95.9	101.2	108.5	85.4	97.2	97.6
6	AH-1608	93.5	104.2	99.0	95.9	88.7	90.5	92.9	94.8	90.2	98.1	98.9	87.3	93.2	92.5
7	AH-1645	94.5	104.5	96.0	96.5	92.2	91.0	93.2	95.3	87.9	84.1	112.0	85.3	93.0	93.3
8	AH-8183	97.2	104.9	98.0	98.9	99.0	97.4	97.4	99.1	94.2	95.5	110.0	85.1	96.9	97.9
9	AMH-15119	96.2	104.8	96.2	98.9	92.6	95.0	96.7	97.2	91.4	90.7	101.2	85.6	92.1	96.1
10	AYN716443	96.4	107.9	96.9	99.9	93.7	95.8	95.3	97.9	92.9	97.7	72.6	86.0	87.9	94.7
11	B-57	95.5	107.6	96.9	97.7	91.7	96.7	94.3	97.2	93.3	58.6	127.5	84.3	91.3	95.1
12	BH 415017	95.0	103.3	98.1	97.0	91.0	91.9	93.7	95.8	90.0	89.3	103.3	84.3	91.7	93.9
13	BIO 218	95.4	106.8	96.3	98.7	94.0	91.8	95.5	97.0	91.4	85.5	105.7	86.3	92.2	96.2
14	CCH 2829	95.7	105.0	98.8	96.2	96.0	95.0	94.5	97.6	90.2	88.3	112.7	85.2	94.8	95.8
15	CMH 14-714	94.3	104.6	98.8	98.6	93.7	92.6	94.6	96.7	91.7	93.5	99.7	84.9	92.2	94.2
16	CMH 14-720	96.1	106.2	98.2	99.9	94.3	93.7	95.9	97.9	91.3	91.5	103.4	85.7	92.9	96.0
17	CMH 14-721	97.2	106.1	97.9	100.7	98.7	96.3	97.3	99.2	95.4	92.3	104.0	84.6	94.8	97.3
18	CMH 15-005	97.5	105.9	98.5	101.6	94.6	92.0	96.0	98.1	93.6	89.0	102.7	86.2	92.8	95.2
19	CP 777	97.6	106.7	99.5	101.4	93.6	94.5	98.4	98.7	92.6	92.7	101.7	83.4	92.4	96.4
20	CP 858	95.3	104.3	100.2	97.9	97.0	94.5	96.2	97.8	94.7	92.9	103.5	83.1	93.4	95.6
21	DAS-MH-114	96.6	106.6	97.0	100.3	98.3	93.9	98.2	98.6	94.2	91.0	104.8	83.4	93.3	96.2
22	DAS-MH-115	94.3	105.9	98.4	98.1	93.6	93.3	96.8	97.3	95.5	98.2	101.9	84.3	94.7	96.4
23	DKC 9182 (IR8513)	96.1	106.3	98.8	100.1	95.5	92.9	95.6	98.0	92.8	99.7	110.2	86.4	97.9	96.9
24	DKC 9185 (IR8449)	96.5	105.9	97.3	98.8	99.0	93.8	97.7	98.7	95.0	90.2	106.6	83.4	93.8	97.3
25	DKC9189 (IR8545)	95.8	106.0	98.3	99.2	95.3	97.1	95.1	98.1	95.1	93.2	104.5	85.2	94.2	97.1
26	GH 160131	95.4	103.9	99.1	98.9	93.5	93.7	97.1	97.4	89.0	99.9	90.6	85.8	91.9	95.3
27	GH 160224	96.3	104.6	97.3	99.8	98.1	94.9	96.6	97.9	94.6	91.9	100.8	83.7	92.7	96.1
28	GH-1301	95.2	103.6	99.1	96.7	95.6	92.0	94.6	96.8	92.4	92.3	106.4	83.6	93.4	95.2
29	GIN-04	97.2	105.4	101.1	98.9	95.0	95.0	96.2	98.5	89.5	83.0	78.8	86.5	85.3	94.1
30	GK 3211	95.5	106.4	97.0	97.7	96.6	95.0	93.6	97.3	94.3	92.3	106.1	83.6	93.8	96.1
31	HT 17169	96.0	108.0	97.9	99.6	97.8	96.0	98.3	99.0	94.0	90.0	103.5	86.2	93.2	97.2

Table No. 1: (Contd).

Days to 75% Dry Husk

Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
32	IIMRNH 1701	98.2	104.0	95.3	99.1	94.4	93.9	98.5	97.4	90.8	93.4	97.5	85.8	91.7	96.0
33	IIMRNH 1703	95.7	102.9	97.4	98.7	93.9	93.9	96.9	96.9	92.2	97.9	97.3	85.1	92.9	95.4
34	IIMRNH 1704	94.4	104.9	95.7	97.7	89.5	92.3	94.0	95.6	90.4	93.1	98.9	86.8	92.1	93.6
35	IIMRNH 1705	95.1	105.3	97.3	97.9	89.1	91.4	93.9	95.7	90.8	89.8	98.4	85.6	92.2	93.8
36	IMHBG-17K-20	95.5	103.3	97.7	96.7	89.9	91.5	94.7	95.3	91.3	92.6	104.0	85.6	93.2	93.2
37	IMHBG-17K-23	98.3	104.6	97.9	98.4	90.4	94.3	97.5	97.1	92.5	93.3	98.6	82.8	91.6	94.9
38	IMHBG-17K-24	97.0	106.9	101.7	101.9	93.5	94.1	98.3	98.8	92.6	93.3	102.3	85.8	93.3	96.8
39	IMHBG-17K-25	96.9	106.1	97.8	99.2	96.6	94.2	95.4	98.2	94.4	84.8	80.0	87.4	87.5	94.6
40	JH 13336	96.7	104.1	96.4	100.1	93.6	93.8	97.2	97.6	92.2	82.5	122.9	87.4	96.9	96.2
41	JH 13346	95.4	104.9	99.0	97.6	90.8	93.8	95.5	96.5	91.3	98.4	97.9	86.2	93.2	94.8
42	JH 16031	94.9	104.8	97.2	98.0	88.7	92.5	94.5	95.7	89.7	87.6	103.4	83.7	91.0	93.2
43	JH 16034	95.0	104.0	96.8	97.8	90.3	90.8	94.0	95.5	91.0	100.9	96.5	83.6	92.6	94.0
44	JH 16040	95.0	106.9	96.8	100.2	97.5	92.7	96.0	97.7	91.8	93.2	120.6	84.7	98.1	96.9
45	JH 16041	96.7	106.3	97.4	100.1	89.9	93.3	95.8	97.0	93.8	101.1	105.5	84.6	95.7	95.2
46	JH 16046	96.6	105.5	98.3	98.1	91.8	91.9	97.6	97.0	91.6	95.0	102.0	84.9	93.2	94.7
47	JH 16054	96.7	106.8	97.6	100.0	88.0	92.1	96.6	96.7	90.7	92.7	99.5	85.6	91.9	94.5
48	JH 16081	97.2	104.7	98.7	99.8	90.3	94.2	96.5	97.2	92.2	94.3	101.2	84.7	92.9	95.3
49	JH 16118	93.5	105.1	95.8	98.2	88.8	91.4	95.4	95.5	89.7	87.7	102.6	85.8	91.3	93.5
50	JH 16209	94.4	105.3	97.2	97.8	89.1	93.4	96.2	95.9	90.1	89.7	98.1	85.0	90.7	93.4
51	JKMH 150375	97.1	108.7	97.1	100.9	91.2	91.4	98.0	97.8	91.1	90.6	102.3	85.7	92.2	95.3
52	KH-2193	96.8	106.7	98.3	99.6	94.3	92.1	97.1	97.8	95.3	91.3	106.4	83.4	93.9	96.7
53	KMH 463	95.5	105.6	97.1	99.9	95.1	93.7	96.6	97.6	94.1	91.5	111.6	83.8	96.0	96.5
54	KNMH-4410	94.4	105.0	97.7	96.8	89.0	91.6	92.9	95.5	87.9	91.9	97.1	83.4	90.0	92.7
55	KNMH-4513	94.4	106.9	97.0	96.4	88.9	93.6	93.5	95.8	89.7	90.2	97.3	85.9	90.6	93.1
56	MAH-2014-19	96.0	106.1	99.0	97.1	92.2	90.8	97.6	97.1	91.3	90.4	99.6	86.0	91.6	94.4
57	MAH-2014-3	95.0	107.2	96.6	99.2	89.4	92.6	96.1	96.6	91.5	94.4	101.8	85.6	92.9	94.7
58	MFH 16-21	96.3	104.0	98.9	99.3	92.3	93.5	94.6	97.1	89.8	91.8	102.5	86.8	92.4	94.5
59	MFH 16-22	94.4	103.8	95.4	98.1	92.9	91.6	94.2	95.8	89.8	95.1	95.7	86.8	91.6	93.8
60	NMH-4530	96.2	105.2	96.8	98.3	94.7	95.9	97.8	97.9	89.8	96.0	109.1	85.0	95.2	96.8
61	NS 8282	93.8	104.9	97.8	95.3	88.8	90.5	93.2	95.0	87.5	91.1	96.1	86.5	90.2	92.5
62	OMH16-1	98.2	105.6	100.9	102.2	90.8	95.5	99.6	98.8	90.8	100.2	102.4	85.2	94.2	96.6

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Table No. 1: (Contd).

Days to 75% Dry Husk

Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
63	OMH16-2	97.6	104.3	99.2	99.9	97.9	92.8	97.7	98.5	94.7	93.1	101.6	84.2	93.2	97.1
64	OMH16-3	95.7	103.7	97.1	100.2	90.8	93.3	94.6	96.5	90.7	92.6	103.6	83.1	92.3	94.8
65	PM17101L	95.1	105.6	97.2	97.3	93.2	93.2	95.8	96.7	89.6	90.6	102.8	83.5	91.5	94.3
66	PM17104L	96.3	107.2	99.5	100.2	94.7	93.6	94.8	98.0	91.2	93.1	114.6	85.5	96.7	96.5
67	PM17105L	94.4	107.0	97.6	97.6	94.6	92.3	95.8	96.8	89.7	93.0	107.4	86.3	93.9	95.9
68	PM17106L	95.2	106.7	99.1	98.5	97.8	95.9	95.6	98.6	93.7	90.6	104.1	83.6	92.9	97.2
69	QMH-1347	94.6	104.5	98.0	97.7	90.3	92.0	95.0	96.1	88.4	89.1	102.5	84.8	91.2	94.0
70	QMH-1353	96.1	105.7	97.2	98.2	96.1	91.3	95.6	97.3	91.3	94.8	102.9	85.1	93.3	95.3
71	QMH-1420	93.4	104.6	96.9	94.1	94.1	90.8	93.8	95.5	89.6	93.8	103.9	85.6	92.9	94.3
72	REH 2015-7	92.6	102.2	96.6	93.5	91.5	90.2	93.2	94.3	88.1	64.2	101.5	85.4	84.4	91.4
73	Rasi-2432	94.0	107.5	95.1	97.4	94.2	94.6	94.4	96.6	91.8	98.4	101.7	86.7	94.2	95.4
74	Rasi-3499	97.0	107.3	98.4	101.4	92.1	94.6	98.0	98.4	94.0	100.9	98.5	85.0	95.2	96.6
75	SVMH-66	97.7	104.1	95.6	99.2	95.9	95.2	96.1	97.9	94.4	97.9	95.0	83.3	93.2	95.9
76	Super-1818	96.1	105.0	96.8	101.3	97.7	95.6	97.3	98.7	95.4	89.5	108.0	87.2	94.8	97.0
77	TA 5084	95.5	103.6	97.5	98.9	95.5	93.2	97.5	97.3	91.5	95.1	102.3	86.0	93.5	95.6
78	TMMH 2840	96.1	106.6	98.7	99.5	96.5	96.4	97.3	98.7	92.4	93.3	107.1	84.6	94.0	97.2
79	TS 2505	96.2	105.7	96.4	100.4	94.9	93.6	96.9	97.7	89.9	89.0	103.6	84.7	91.5	95.4
80	VEH-17-1	92.0	101.9	95.7	92.4	89.1	87.4	90.6	92.8	87.5	88.1	93.2	85.2	88.4	90.6
81	VNR-35379	98.2	106.5	98.0	99.7	94.4	96.5	99.0	98.8	95.6	99.9	105.2	85.8	96.0	97.3
82	CMH 08-282 (C)	93.4	105.4	96.1	97.5	88.0	90.5	95.3	95.5	89.1	63.1	106.4	83.2	86.1	92.4
83	CMH 08-287 (C)	96.1	104.2	99.9	100.5	93.8	93.7	95.2	97.8	95.9	88.2	102.6	86.6	93.3	95.6
84	BIO 9682 (C)	95.7	107.5	98.3	99.6	93.8	95.3	95.2	97.9	95.2	93.8	105.2	84.0	94.3	97.0
	Location Mean	95.8	105.4	97.7	98.6	93.2	93.4	95.9	97.1	91.8	89.9	102.1	85.1	92.2	95.2
	CV (%)	1.1	1.7	2.5	1.2	2.1	1.9	1.3	1.7	1.7	14.4	11.9	1.8	9.7	4.8
	F (Prob)	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.02	0.00	0.00
	CD (5%)	1.7	2.9	3.9	2.0	3.2	2.8	2.1	1.1	2.5	20.9	19.7	2.4	7.9	1.8
	CD (1%)	2.3	3.8	5.2	2.6	4.2	3.7	2.7	1.4	3.3	27.6	26.0	3.2	10.3	2.4

Table No. 1: (Contd).		Plant Height(cm)												
Sl. No.	Entry Name	Zone-II(NWPZ)				Zone-III(NEPZ)								
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	14561-010-04-01-03-3-2	104.3	110.5	202.8	139.3	163.9	204.1	86.3	168.3	81.4	.	.	.	
2	16402-008-03-03	100.1	125.7	210.9	141.2	.	196.5	96.2	165.4	.	61.4	.	.	
3	20637-009-03-02	80.1	157.4	108.3	112.0	159.3	204.6	143.7	162.0	.	150.7	.	.	
4	ADV 1390064	173.2	185.2	247.8	200.5	141.4	206.1	158.0	153.1	183.0	122.2	143.5	161.0	
5	ADV 1390164	188.8	199.5	260.7	215.9	199.1	205.1	178.2	161.2	175.9	135.3	159.6	169.0	
6	AH-1608	164.7	163.3	257.7	196.9	185.4	202.4	191.9	161.3	173.2	163.1	158.7	174.9	
7	AH-1645	174.0	195.7	260.9	211.2	80.0	202.8	181.5	160.5	154.1	160.3	157.1	170.6	
8	AH-8183	167.6	193.5	283.6	211.9	225.8	201.8	194.9	160.1	179.4	115.4	157.2	167.6	
9	AMH-15119	168.5	154.8	261.1	196.3	152.5	206.9	151.1	166.5	164.0	126.8	142.0	160.3	
10	AYN716443	153.5	175.7	267.8	198.7	167.1	202.8	154.3	162.8	169.4	145.6	146.4	163.6	
11	B-57	173.9	202.3	260.3	213.1	164.4	203.6	169.2	166.1	171.5	149.4	140.2	166.7	
12	BH 415017	194.4	199.3	264.9	222.0	156.3	203.4	179.2	168.2	167.0	150.7	158.9	171.6	
13	BIO 218	194.1	228.3	276.9	233.7	95.8	201.8	214.6	159.9	180.4	158.5	161.4	180.0	
14	CCH 2829	166.3	185.5	261.6	203.2	169.5	204.6	177.7	161.9	180.7	130.4	155.3	168.0	
15	CMH 14-714	170.2	173.0	233.7	192.4	155.5	202.8	171.3	170.0	142.2	145.6	140.5	160.8	
16	CMH 14-720	169.9	189.1	256.7	205.6	155.5	206.6	170.4	169.4	165.3	148.8	148.6	168.0	
17	CMH 14-721	155.7	179.7	250.7	194.6	173.4	197.3	158.7	165.0	157.0	122.3	146.0	157.7	
18	CMH 15-005	207.0	225.5	273.6	233.2	109.0	201.1	199.5	166.6	165.7	159.5	180.5	179.2	
19	CP 777	163.5	174.9	263.6	202.4	81.4	200.4	163.0	158.9	150.5	148.1	142.3	160.4	
20	CP 858	198.8	212.1	278.0	231.8	171.7	211.6	179.5	170.4	166.8	177.5	159.1	177.5	
21	DAS-MH-114	173.9	179.6	253.3	202.4	72.9	189.3	167.8	166.4	169.9	147.0	152.0	166.3	
22	DAS-MH-115	162.4	189.9	268.3	207.1	149.8	211.5	168.4	165.9	156.7	156.0	140.9	165.6	
23	DKC 9182 (IR8513)	203.2	211.1	282.3	228.0	236.7	207.4	174.2	158.1	167.1	156.1	165.0	171.2	
24	DKC 9185 (IR8449)	214.0	220.1	299.6	242.9	172.5	209.2	193.5	173.4	193.3	168.1	181.0	185.3	
25	DKC9189 (IR8545)	187.6	216.4	270.6	222.7	155.1	212.6	196.0	174.2	172.6	140.6	157.0	174.9	
26	GH 160131	175.6	194.6	273.1	213.7	169.1	200.1	161.3	156.2	187.7	145.0	149.3	167.9	
27	GH 160224	176.5	177.3	249.2	201.4	181.8	202.9	157.5	164.1	162.9	119.2	145.4	159.6	
28	GH-1301	171.9	186.0	254.6	204.8	174.6	201.3	170.6	161.5	160.0	167.1	160.2	168.8	
29	GIN-04	169.3	182.3	259.0	203.9	153.6	202.5	176.5	169.5	153.8	159.0	128.5	164.5	

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Table No. 1: (Contd).		Plant Height(cm)											
Sl. No.	Entry Name	Zone-II(NWPZ)				Zone-III(NEPZ)							
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	GK 3211	193.4	191.6	274.5	219.8	177.6	198.9	193.4	162.5	172.4	164.9	151.4	175.3
31	HT 17169	178.6	193.9	273.4	217.3	160.3	203.5	165.9	162.5	161.1	155.6	154.9	168.6
32	IIMRNH 1701	179.4	181.2	263.4	210.3	97.9	202.2	164.7	166.3	164.2	158.0	153.4	169.8
33	IIMRNH 1703	191.4	200.1	270.4	220.6	201.9	200.1	184.5	170.0	180.0	136.6	160.8	172.8
34	IIMRNH 1704	175.1	186.7	260.6	209.4	154.9	197.8	174.8	165.2	170.5	114.1	150.9	162.0
35	IIMRNH 1705	200.1	208.8	273.8	226.9	172.6	205.2	187.6	169.2	173.3	176.6	169.4	180.8
36	IMHBG-17K-20	195.8	193.6	268.5	219.0	171.3	207.3	183.7	164.5	176.5	162.7	155.7	175.9
37	IMHBG-17K-23	195.8	197.8	284.3	226.0	170.8	212.8	178.4	166.7	188.8	148.0	165.2	176.4
38	IMHBG-17K-24	193.1	223.7	288.2	235.5	197.4	208.1	185.0	172.8	197.4	181.5	166.8	185.0
39	IMHBG-17K-25	194.5	208.5	270.5	223.5	161.6	201.6	177.7	174.2	190.5	159.2	152.9	175.7
40	JH 13336	211.8	214.6	281.8	236.4	183.5	209.5	201.5	163.2	177.9	151.3	176.6	179.1
41	JH 13346	188.3	198.1	275.5	223.6	188.5	210.3	194.3	166.5	181.6	164.4	180.3	183.6
42	JH 16031	192.4	217.1	282.4	230.0	189.3	201.1	159.2	168.0	188.9	161.5	171.5	175.5
43	JH 16034	201.7	235.5	291.5	240.9	236.4	209.1	194.4	159.1	176.3	183.9	162.7	179.6
44	JH 16040	198.3	218.8	209.6	208.8	152.6	216.1	197.5	164.6	172.0	163.4	165.1	181.1
45	JH 16041	209.8	207.7	264.9	226.9	199.2	203.6	188.1	172.9	170.7	150.1	165.8	174.7
46	JH 16046	193.9	203.8	281.3	223.9	723.1	208.8	158.6	162.8	172.5	137.1	160.3	167.5
47	JH 16054	186.7	228.5	273.7	229.5	189.0	205.7	203.7	161.3	205.4	190.0	166.1	189.2
48	JH 16081	202.1	238.0	275.6	239.2	168.5	210.9	198.8	167.2	194.1	185.0	167.1	187.8
49	JH 16118	176.7	196.0	286.8	221.9	182.7	202.1	198.0	161.8	186.6	166.4	164.9	180.3
50	JH 16209	169.3	205.2	275.4	217.9	179.0	199.5	178.4	164.7	190.0	150.1	174.4	177.6
51	JKMH 150375	186.0	218.1	294.1	233.0	173.0	208.3	190.1	167.9	187.2	184.9	168.1	183.5
52	KH-2193	167.4	181.9	257.1	204.3	149.6	197.1	151.7	164.7	149.8	144.7	128.3	157.0
53	KMH 463	183.7	201.7	281.5	221.2	167.3	208.4	156.8	169.2	162.3	117.3	152.1	162.4
54	KNMH-4410	164.5	180.5	260.3	201.8	209.7	205.3	178.6	162.7	164.3	168.8	160.0	173.2
55	KNMH-4513	179.1	179.7	250.3	204.5	151.5	201.3	164.3	170.9	166.3	165.5	144.6	168.4
56	MAH-2014-19	184.3	190.5	261.2	212.4	158.5	197.3	167.1	160.9	173.4	127.3	154.1	163.8
57	MAH-2014-3	180.3	178.3	256.9	205.1	173.8	205.0	159.3	161.9	175.7	151.4	155.4	168.6
58	MFH 16-21	156.6	156.2	230.0	181.2	129.1	200.3	141.2	168.7	145.6	104.7	135.1	148.8
59	MFH 16-22	182.2	174.4	260.9	206.7	169.2	210.2	177.4	170.4	170.3	141.3	153.7	171.2

Table No. 1: (Contd). Plant Height(cm)													
Sl. No.	Entry Name	Zone-II(NWPZ)				Zone-III(NEPZ)							
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
60	NMH-4530	178.8	203.0	270.0	217.8	167.2	201.8	180.1	166.0	171.8	168.6	167.9	176.4
61	NS 8282	157.1	207.7	256.5	207.5	167.7	208.1	164.6	169.3	152.5	154.9	155.9	166.3
62	OMH16-1	202.4	197.0	271.7	224.3	160.5	206.9	169.5	168.2	172.9	170.9	147.2	172.6
63	OMH16-2	171.4	194.0	275.7	210.6	196.5	200.1	161.9	159.6	170.5	130.9	144.0	161.1
64	OMH16-3	206.8	229.0	279.7	237.0	199.5	210.3	206.1	158.7	203.1	189.8	176.5	189.1
65	PM17101L	202.1	221.3	276.1	236.3	169.3	202.4	165.0	164.2	172.7	170.5	180.8	175.9
66	PM17104L	187.1	236.3	288.0	233.9	199.5	208.7	195.7	162.8	203.3	157.1	172.7	183.5
67	PM17105L	180.2	190.0	277.6	218.1	166.6	212.2	177.0	169.5	165.9	165.8	163.2	176.2
68	PM17106L	197.4	193.8	284.7	225.6	182.8	202.0	173.3	167.5	188.8	163.9	170.6	176.7
69	QMH-1347	178.5	208.3	260.7	216.0	180.0	207.0	195.3	167.2	167.7	169.5	166.9	178.5
70	QMH-1353	181.9	200.8	269.3	216.1	227.0	203.9	172.1	163.2	166.1	133.7	154.5	164.6
71	QMH-1420	191.9	191.4	255.3	214.1	175.1	203.4	180.0	166.4	171.5	135.2	144.5	165.5
72	REH 2015-7	173.7	191.0	260.2	209.2	177.5	206.8	184.8	164.9	143.4	135.2	153.2	164.3
73	Rasi-2432	174.9	198.4	263.3	212.9	154.9	207.3	169.4	165.3	153.7	162.7	146.1	166.5
74	Rasi-3499	172.6	198.8	268.8	211.8	153.4	204.6	168.1	169.3	169.4	140.5	149.3	167.6
75	SVMH-66	164.6	172.6	255.3	198.4	163.2	201.0	157.5	165.8	163.6	145.7	133.5	161.3
76	Super-1818	169.6	177.0	260.7	205.0	147.9	209.6	161.2	165.8	160.3	145.8	145.5	164.3
77	TA 5084	169.9	184.5	268.5	205.9	204.1	200.8	159.9	164.0	161.8	133.8	154.6	162.8
78	TMMH 2840	162.1	151.9	230.6	184.3	136.9	200.7	150.7	168.4	146.5	116.8	139.4	154.5
79	TS 2505	183.8	192.4	256.5	209.1	155.5	202.4	177.3	167.8	174.2	146.9	148.5	169.5
80	VEH-17-1	146.7	156.6	227.8	175.6	169.9	205.0	144.8	159.5	138.1	132.6	129.2	151.2
81	VNR-35379	182.9	208.1	274.0	221.2	163.2	200.6	170.9	168.0	164.2	147.8	153.7	167.8
82	CMH 08-282 (C)	206.7	200.4	281.6	228.2	193.3	207.4	197.4	167.4	183.0	154.9	168.9	179.5
83	CMH 08-287 (C)	202.1	219.7	297.2	241.8	176.6	199.7	202.0	166.6	193.2	152.2	177.2	182.0
84	BIO 9682 (C)	170.1	180.7	275.4	208.1	165.0	199.3	167.0	166.2	170.5	161.3	142.0	167.5
	Location Mean	178.9	194.9	264.1	212.5	174.9	204.3	173.6	165.4	170.9	151.7	156.2	171.7
	CV (%)	8.3	8.0	7.3	7.9	60.1	3.7	9.1	3.4	6.5	12.7	5.0	7.1
	F (Prob)	0.00	0.00	0.00	1.00	0.43	0.66	0.00	0.17	0.00	0.00	0.00	1.00
	CD (5%)	24.1	25.1	31.3	16.6	169.7	12.2	25.5	9.1	18.0	31.3	12.9	9.1
	CD (1%)	31.9	33.2	41.4	21.9	224.3	16.1	33.8	12.1	23.8	41.4	17.1	12.0

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Table No. 1: (Contd).		Plant Height(cm)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	14561-010-04-01-03-3-2	85.6	121.0	91.1	126.8	153.4	114.9	93.8	112.7	109.6	112.4	108.1	73.9	94.9	.
2	16402-008-03-03	93.5	119.6	102.5	140.2	157.1	152.6	95.1	122.5	141.4	83.3	104.1	69.8	89.1	.
3	20637-009-03-02	80.0	131.3	86.9	147.4	164.3	149.1	96.1	120.5	147.9	19.0	110.3	75.3	94.7	.
4	ADV 1390064	183.3	204.7	163.9	193.0	240.3	258.1	191.8	204.3	247.1	161.6	180.9	154.6	166.9	185.1
5	ADV 1390164	164.1	230.9	178.5	194.8	240.4	246.0	191.3	207.5	250.0	182.0	180.5	163.1	174.1	192.1
6	AH-1608	177.7	227.1	164.7	221.4	240.1	273.3	196.4	213.6	248.3	173.5	218.4	168.1	189.7	195.5
7	AH-1645	167.7	221.6	176.6	187.4	250.1	261.8	185.0	208.2	249.9	157.1	199.1	162.7	180.4	193.3
8	AH-8183	187.8	221.3	189.0	221.7	251.7	294.6	198.4	221.8	255.6	184.6	198.2	168.4	185.4	197.9
9	AMH-15119	161.6	202.7	156.2	186.9	236.4	251.5	189.0	200.1	287.0	171.3	182.3	171.1	172.0	183.2
10	AYN716443	158.9	228.8	158.0	205.0	243.4	259.4	196.7	206.4	256.8	166.9	189.4	171.7	175.4	187.7
11	B-57	179.3	221.9	180.4	225.1	255.8	251.6	184.4	217.4	262.0	168.5	209.1	154.7	183.6	195.7
12	BH 415017	174.5	234.3	188.3	222.0	250.1	284.1	199.4	222.2	336.4	144.8	196.5	179.1	188.6	201.7
13	BIO 218	187.8	230.5	207.5	235.9	257.7	292.7	202.6	230.5	251.9	143.0	215.5	180.1	199.0	210.8
14	CCH 2829	183.7	220.5	170.9	228.6	258.5	293.8	190.6	219.8	333.1	168.1	189.8	172.3	181.1	195.4
15	CMH 14-714	168.2	190.8	177.7	218.1	248.3	249.9	180.3	204.1	110.3	169.3	195.5	157.0	180.6	184.8
16	CMH 14-720	167.3	212.6	170.5	215.0	238.8	252.3	189.0	206.9	237.9	132.6	198.3	171.4	184.5	191.1
17	CMH 14-721	167.1	210.4	158.9	203.8	247.8	272.9	189.6	206.2	242.8	164.9	169.7	154.7	160.8	183.2
18	CMH 15-005	205.3	246.6	183.4	240.3	260.3	299.7	230.5	236.7	273.7	179.5	237.3	184.9	211.3	214.2
19	CP 777	197.1	221.7	166.4	201.8	250.4	276.4	194.6	215.4	251.8	172.9	187.3	162.9	176.4	190.7
20	CP 858	181.4	219.8	172.1	173.2	245.1	289.1	199.1	211.9	282.1	174.2	203.2	169.8	185.3	201.0
21	DAS-MH-114	172.8	206.1	166.1	196.7	243.6	253.0	187.6	202.9	236.1	153.4	181.3	153.3	163.6	186.6
22	DAS-MH-115	173.1	214.1	179.1	199.7	245.3	255.6	191.9	210.0	285.7	142.1	194.7	151.0	172.3	190.3
23	DKC 9182 (IR8513)	193.2	239.8	183.0	236.9	256.9	395.0	207.2	244.1	276.2	171.5	203.6	176.7	194.1	211.2
24	DKC 9185 (IR8449)	193.2	239.4	191.5	222.1	255.0	293.2	221.8	231.1	273.3	373.7	213.6	185.7	202.1	214.2
25	DKC9189 (IR8545)	188.0	219.1	187.7	217.6	253.1	253.0	199.3	215.9	125.6	168.1	184.6	168.7	178.3	199.0
26	GH 160131	173.4	223.2	172.3	217.4	242.8	261.0	199.3	213.3	236.7	168.8	184.4	173.1	175.1	194.2
27	GH 160224	153.8	204.3	149.4	198.8	234.2	263.9	175.6	196.2	253.9	152.8	183.3	155.4	165.3	181.8
28	GH-1301	169.8	212.4	153.1	186.0	236.3	273.5	182.6	200.0	247.3	167.1	187.2	169.2	178.8	188.0
29	GIN-04	167.3	222.5	161.0	230.9	245.6	259.4	169.0	208.6	308.0	146.8	183.5	166.3	174.0	189.2

Table No. 1: (Contd).

Plant Height(cm)

Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
30	GK 3211	184.0	228.8	179.8	202.0	254.6	293.2	188.4	219.1	332.5	171.1	205.9	170.4	189.0	201.4
31	HT 17169	178.6	227.2	174.9	230.2	242.4	273.2	205.6	220.1	271.9	167.5	175.2	170.7	169.2	197.2
32	IIMRNH 1701	189.2	211.6	166.9	216.1	232.5	275.9	195.9	212.4	256.4	152.5	204.9	172.4	182.2	195.1
33	IIMRNH 1703	186.1	218.4	175.4	218.7	254.7	262.7	193.9	215.5	258.7	159.4	189.4	172.4	175.6	198.0
34	IIMRNH 1704	184.0	227.8	155.4	202.7	239.2	269.0	186.8	208.4	256.7	146.5	197.0	169.2	184.0	190.5
35	IIMRNH 1705	178.3	222.9	163.0	228.5	252.1	262.9	197.5	217.1	261.0	94.1	202.8	185.4	190.7	203.6
36	IMHBG-17K-20	175.5	233.3	172.4	229.4	248.1	279.6	187.1	216.5	254.1	158.3	208.7	163.2	183.8	200.1
37	IMHBG-17K-23	182.1	231.6	171.4	247.3	256.7	290.8	202.7	223.5	278.9	167.1	188.0	180.2	186.2	204.2
38	IMHBG-17K-24	179.6	243.7	195.2	233.9	263.2	317.5	208.6	233.1	290.4	173.0	216.7	188.4	202.7	214.2
39	IMHBG-17K-25	172.9	221.9	179.4	229.4	248.5	278.0	195.7	219.9	252.1	119.9	189.9	169.2	182.8	201.2
40	JH 13336	205.2	247.0	179.1	237.8	256.6	297.1	218.9	235.5	288.8	166.3	224.9	193.5	210.8	213.8
41	JH 13346	200.6	232.8	189.5	224.9	251.9	275.7	199.6	224.0	282.6	170.7	215.9	178.1	196.8	207.8
42	JH 16031	198.8	234.1	192.7	236.4	254.0	289.6	209.8	231.9	271.5	189.7	219.3	186.8	203.8	209.6
43	JH 16034	184.5	239.7	178.8	238.5	250.5	288.4	191.8	222.2	263.0	197.5	210.5	180.8	199.5	208.4
44	JH 16040	188.6	215.4	173.7	232.9	248.6	284.4	205.9	222.0	268.7	162.9	211.7	168.6	186.2	202.5
45	JH 16041	189.0	220.8	191.8	212.2	248.1	271.3	206.3	221.7	331.1	184.9	209.2	177.2	196.2	203.7
46	JH 16046	191.4	229.3	188.7	240.2	256.7	302.7	199.2	227.6	263.5	172.7	206.3	173.9	191.7	203.1
47	JH 16054	211.4	246.8	196.1	218.7	254.8	299.3	214.8	234.4	263.1	174.9	219.5	188.0	206.2	215.4
48	JH 16081	195.7	233.2	186.8	224.5	248.8	287.5	218.5	227.2	259.1	162.8	217.4	184.5	197.5	213.1
49	JH 16118	182.9	228.3	187.0	226.1	250.2	282.7	191.7	223.7	268.5	169.3	209.1	186.1	196.2	205.9
50	JH 16209	177.0	231.8	200.6	231.4	256.3	276.8	202.2	225.8	280.0	158.5	224.6	203.0	205.4	206.7
51	JKMH 150375	202.9	238.8	202.1	243.0	261.1	301.4	228.1	239.6	161.8	166.9	224.1	191.4	207.6	216.1
52	KH-2193	162.1	224.9	162.1	208.9	241.3	267.4	183.1	207.3	235.3	149.5	185.9	156.3	170.6	186.2
53	KMH 463	184.7	230.9	183.0	205.4	251.2	250.5	202.9	215.7	264.1	160.9	202.3	179.7	192.7	196.4
54	KNMH-4410	179.1	233.5	184.3	210.7	229.5	272.1	189.3	214.7	316.6	162.9	196.7	183.0	190.4	195.9
55	KNMH-4513	187.5	212.9	177.1	202.3	245.1	266.2	180.8	210.3	132.5	171.1	200.4	157.4	178.8	191.9
56	MAH-2014-19	168.4	223.9	171.6	190.0	241.6	275.9	186.2	206.1	251.0	141.2	122.2	162.5	144.4	186.4
57	MAH-2014-3	181.0	227.0	166.9	217.3	250.8	281.4	196.6	217.2	239.2	166.0	193.5	165.6	184.2	195.3
58	MFH 16-21	162.8	189.5	146.4	175.5	227.3	244.6	167.3	187.0	210.2	145.5	164.0	145.6	157.4	169.9
59	MFH 16-22	172.0	213.1	161.6	207.8	246.8	278.0	184.7	211.5	294.0	168.4	194.0	167.4	179.8	193.7

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Table No. 1: (Contd).		Plant Height(cm)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
60	NMH-4530	185.7	221.6	174.3	231.3	248.9	238.1	189.9	215.2	136.9	207.4	205.7	165.4	184.2	199.2
61	NS 8282	176.1	212.6	169.2	187.8	236.5	270.0	184.2	205.2	230.4	164.9	175.7	169.1	172.0	188.8
62	OMH16-1	178.3	215.3	167.0	208.7	253.8	269.9	191.5	213.6	239.3	170.9	197.7	166.5	185.5	198.3
63	OMH16-2	171.8	227.2	163.1	211.3	248.3	278.6	196.9	211.5	250.8	153.8	179.2	172.0	178.8	190.8
64	OMH16-3	200.0	241.5	205.4	221.4	258.8	271.3	207.5	227.3	282.1	184.7	230.6	186.5	211.6	214.3
65	PM17101L	182.9	241.8	192.5	202.6	255.5	283.6	200.8	223.5	273.0	169.6	211.4	178.5	191.0	206.4
66	PM17104L	187.6	231.9	196.3	221.7	261.1	294.9	201.1	225.5	289.4	179.8	217.1	185.4	202.4	210.3
67	PM17105L	196.6	220.6	174.5	191.7	252.9	286.5	213.3	219.9	260.7	166.3	211.9	163.9	183.0	201.3
68	PM17106L	187.1	224.8	194.7	242.3	257.6	286.8	203.3	229.3	1094.0	173.6	210.7	180.2	195.1	207.1
69	QMH-1347	184.3	229.3	174.3	228.5	250.5	268.4	207.7	220.5	327.9	165.4	189.5	188.5	186.3	202.0
70	QMH-1353	191.5	219.2	173.7	215.4	247.6	269.4	193.1	214.5	260.0	174.6	156.3	169.5	163.9	192.4
71	QMH-1420	170.7	232.1	164.8	213.8	247.7	249.0	177.1	206.9	237.3	165.6	189.4	149.7	171.8	190.3
72	REH 2015-7	170.6	205.4	158.7	158.8	236.6	247.1	187.0	196.9	229.2	97.3	173.8	149.1	163.0	184.0
73	Rasi-2432	172.9	223.7	170.3	213.4	236.3	274.9	190.2	210.7	132.2	178.2	189.6	156.6	175.1	192.3
74	Rasi-3499	176.4	225.0	170.6	200.1	243.6	260.9	198.0	211.4	247.8	174.7	195.8	172.1	181.4	193.6
75	SVMH-66	152.9	189.7	155.9	225.0	230.0	232.2	173.2	197.0	243.1	187.4	176.4	154.6	165.3	181.7
76	Super-1818	180.2	221.8	171.0	191.1	245.6	267.3	191.5	211.3	275.6	166.9	191.7	170.5	180.5	191.2
77	TA 5084	166.3	222.1	159.6	192.7	244.0	265.3	180.0	203.5	230.8	178.6	177.5	150.8	165.7	186.1
78	TMMH 2840	159.4	202.8	143.9	180.8	229.5	236.2	165.6	188.0	225.3	154.0	170.2	147.3	159.6	173.3
79	TS 2505	176.3	216.7	174.1	224.3	246.0	280.2	198.1	215.6	247.3	170.8	169.9	166.1	170.4	194.0
80	VEH-17-1	170.3	194.7	150.6	159.9	204.5	228.8	162.2	180.6	217.0	163.6	156.5	142.8	149.1	166.4
81	VNR-35379	189.2	212.8	162.0	222.0	252.1	391.8	194.3	231.5	261.5	175.6	191.3	165.5	184.0	203.1
82	CMH 08-282 (C)	187.6	246.1	210.3	230.3	257.1	280.3	202.6	231.8	342.8	120.6	214.7	186.2	197.4	209.8
83	CMH 08-287 (C)	206.6	246.6	198.2	236.6	258.1	299.6	233.8	240.7	290.0	237.6	226.2	181.2	205.7	217.4
84	BIO 9682 (C)	164.6	214.2	165.0	201.3	240.2	259.1	189.7	205.7	300.9	160.9	194.6	169.7	180.9	190.5
	Location Mean	177.1	219.8	172.4	211.1	244.2	270.5	191.7	212.4	262.0	164.2	193.9	166.9	180.4	196.0
	CV (%)	6.1	4.1	5.9	7.7	3.0	12.9	4.4	7.7	59.7	31.3	8.7	6.9	8.1	7.7
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.30	0.15	0.00	0.00	1.00	1.00
	CD (5%)	17.5	14.6	16.5	26.2	11.7	56.2	13.6	10.4	252.7	83.1	27.2	18.7	17.1	6.2
	CD (1%)	23.2	19.3	21.7	34.6	15.4	74.2	17.9	13.6	333.9	109.8	36.0	24.7	22.5	8.1

Table No. 1: (Contd). Ear Height (cm)													
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III(NEPZ)							
		Karnal Mean	Ludhiana Mean	Pantnagar Mean	Zone2 Mean	Baharaich Mean	Bhubaneswar Mean	Dholi Mean	Kalyani Mean	Ranchi Mean	Sabour Mean	Varanasi Mean	Zone3 Mean
1	14561-010-04-01-03-3-2	47.1	66.7	82.3	64.4	68.0	104.4	72.2	69.8	23.8	.	.	.
2	16402-008-03-03	43.2	61.0	84.1	61.7	.	95.1	66.6	66.1	.	.	.	.
3	20637-009-03-02	43.6	92.7	44.5	58.2	65.0	104.8	70.5	68.7	.	79.6	.	.
4	ADV 1390064	90.4	94.8	105.4	96.5	66.2	105.3	77.4	67.3	80.1	63.0	74.8	76.0
5	ADV 1390164	95.8	107.0	106.3	104.3	69.4	101.1	92.4	69.2	67.2	68.5	76.9	77.6
6	AH-1608	80.7	85.5	113.3	94.2	79.8	97.5	83.8	74.6	69.6	88.4	77.7	81.2
7	AH-1645	84.1	102.9	119.3	102.4	82.4	102.0	97.8	67.5	60.9	82.5	81.2	82.2
8	AH-8183	96.0	107.5	114.7	106.3	77.6	101.1	94.3	69.4	73.8	59.3	71.3	76.8
9	AMH-15119	91.4	77.1	107.8	93.3	66.0	105.0	71.3	61.9	59.5	60.6	64.8	70.5
10	AYN716443	73.6	74.8	112.4	87.2	77.8	104.0	55.1	55.3	66.3	75.6	62.7	70.8
11	B-57	79.5	101.5	110.5	96.3	61.2	101.7	74.5	62.9	52.1	68.5	57.9	69.0
12	BH 415017	93.8	92.0	105.2	98.8	68.9	102.6	86.0	67.1	58.8	68.9	70.4	74.3
13	BIO 218	95.0	126.9	118.0	112.6	87.0	102.2	103.1	69.3	69.2	79.3	72.9	84.2
14	CCH 2829	73.7	83.8	105.9	87.2	68.1	107.0	79.0	66.5	60.7	57.8	64.3	71.0
15	CMH 14-714	97.1	96.3	108.7	99.8	77.9	100.4	89.3	66.2	55.0	68.4	63.6	73.8
16	CMH 14-720	91.0	108.8	112.9	103.6	63.8	99.4	88.2	58.4	68.3	73.1	74.0	75.1
17	CMH 14-721	90.2	91.7	109.0	96.1	76.8	98.3	84.7	59.7	61.7	57.2	72.0	72.7
18	CMH 15-005	109.2	114.0	125.0	115.4	97.8	101.9	105.4	70.8	70.8	79.4	92.8	88.2
19	CP 777	79.6	90.4	117.0	97.2	67.8	101.7	87.1	61.2	59.4	69.1	68.9	73.8
20	CP 858	99.5	108.2	114.3	109.4	80.4	96.7	84.9	76.8	52.2	91.5	68.0	78.0
21	DAS-MH-114	83.9	88.8	104.7	92.5	65.1	90.2	71.4	66.4	59.7	66.3	68.0	70.7
22	DAS-MH-115	84.0	101.7	117.8	100.4	70.0	102.5	80.0	74.1	59.6	73.5	66.9	74.8
23	DKC 9182 (IR8513)	107.0	113.4	116.5	111.1	93.4	98.2	86.2	67.4	64.7	83.0	86.1	82.2
24	DKC 9185 (IR8449)	119.0	128.2	128.2	124.0	66.2	107.4	106.1	64.6	80.8	81.0	95.2	85.0
25	DKC9189 (IR8545)	90.5	120.3	116.2	107.1	85.2	103.5	110.8	66.7	74.1	62.7	85.2	83.7
26	GH 160131	80.0	81.8	107.0	89.8	73.4	99.5	61.7	71.7	67.3	60.4	55.0	70.8
27	GH 160224	92.1	81.4	107.3	94.4	70.5	99.2	75.5	75.0	65.4	59.8	72.3	74.6
28	GH-1301	80.1	100.6	116.3	99.4	80.0	96.3	91.7	63.0	74.6	87.1	79.9	79.9
29	GIN-04	83.9	98.0	115.2	99.0	76.3	101.6	81.0	69.0	63.1	81.3	62.0	75.9
30	GK 3211	94.2	89.0	124.6	102.5	83.1	96.5	83.7	72.0	58.4	82.6	70.8	78.3
31	HT 17169	86.3	95.8	124.9	102.9	79.4	104.4	96.8	63.5	53.6	79.9	64.6	79.7

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Table No. 1: (Contd).		Ear Height (cm)												
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III (NEPZ)								
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
32	IIMRNH 1701	85.5	85.9	104.9	94.2	78.7	104.6	80.6	73.0	60.3	71.1	62.0	76.6	
33	IIMRNH 1703	94.0	103.8	130.8	110.7	75.9	100.5	92.7	64.3	71.0	62.5	89.3	80.1	
34	IIMRNH 1704	90.2	101.7	115.6	103.7	67.9	95.7	88.9	63.2	67.0	51.4	73.5	71.8	
35	IIMRNH 1705	102.5	112.8	117.5	110.1	82.0	107.4	98.6	63.2	74.3	92.8	83.3	86.9	
36	IMHBG-17K-20	92.4	103.2	116.8	104.7	87.7	110.3	91.0	68.2	73.0	79.8	79.3	85.1	
37	IMHBG-17K-23	94.3	103.1	112.6	103.7	78.5	106.3	79.2	74.1	74.4	73.4	82.1	80.7	
38	IMHBG-17K-24	102.6	115.7	133.7	117.5	94.4	104.3	87.0	70.7	77.4	92.6	75.0	85.3	
39	IMHBG-17K-25	100.0	104.7	115.9	104.4	71.4	104.4	87.1	71.7	81.6	78.5	71.0	80.6	
40	JH 13336	110.5	104.7	131.2	115.0	82.8	102.7	112.5	62.4	71.0	82.6	93.1	85.7	
41	JH 13346	100.5	101.7	122.0	109.6	94.2	107.4	83.2	67.1	74.3	93.1	88.6	87.0	
42	JH 16031	95.9	120.8	123.7	112.3	99.5	105.0	79.0	64.4	76.5	83.1	87.9	85.2	
43	JH 16034	108.5	133.7	145.6	129.7	101.5	102.5	110.7	59.3	81.3	97.4	88.9	90.3	
44	JH 16040	103.7	115.3	92.8	103.8	72.9	112.0	89.3	68.2	63.3	77.5	86.0	82.1	
45	JH 16041	107.3	108.3	116.4	109.7	86.8	101.3	93.6	65.0	61.1	69.7	75.0	78.4	
46	JH 16046	104.1	116.9	125.6	116.0	76.9	106.4	89.4	69.0	73.8	74.6	81.6	81.5	
47	JH 16054	96.2	123.5	115.8	110.5	88.1	104.2	101.9	64.9	84.1	94.4	79.1	88.9	
48	JH 16081	107.7	133.0	122.9	121.8	77.7	104.9	88.7	59.0	83.4	87.1	86.4	84.3	
49	JH 16118	90.0	98.8	137.8	109.2	87.9	101.5	104.9	66.3	81.6	88.8	82.5	89.3	
50	JH 16209	106.7	113.1	129.2	117.5	93.8	100.2	98.5	58.1	81.8	75.9	87.7	86.6	
51	JKMH 150375	104.0	117.5	122.4	113.7	71.2	104.6	79.4	79.9	75.5	89.4	81.0	83.2	
52	KH-2193	90.5	91.9	117.4	100.9	71.8	102.3	67.9	67.9	58.2	63.5	68.4	72.7	
53	KMH 463	93.4	100.7	119.6	103.1	76.6	96.0	69.1	65.7	54.9	49.4	56.2	67.0	
54	KNMH-4410	74.9	84.6	102.1	88.1	68.2	101.4	71.9	70.7	55.0	78.0	64.1	73.1	
55	KNMH-4513	81.2	80.3	103.2	88.5	68.6	101.3	77.9	67.9	57.2	80.0	56.5	72.8	
56	MAH-2014-19	86.1	87.8	102.4	93.2	63.1	99.9	74.0	74.3	49.6	59.0	63.9	68.9	
57	MAH-2014-3	98.0	98.9	117.2	104.1	75.2	99.4	78.1	69.5	67.3	79.3	73.2	78.5	
58	MFH 16-21	72.1	84.4	108.7	87.6	63.9	94.8	70.5	63.0	65.0	54.5	60.0	67.5	
59	MFH 16-22	95.6	85.1	109.6	97.3	77.9	107.2	90.3	57.5	60.7	63.0	69.7	76.1	
60	NMH-4530	81.8	106.2	110.5	98.8	76.7	97.1	81.9	69.9	64.7	85.7	74.5	80.1	
61	NS 8282	70.9	98.5	103.2	91.0	64.7	109.7	70.8	76.2	55.5	68.5	62.9	71.4	
62	OMH16-1	94.2	109.0	131.0	110.6	76.0	107.9	90.1	72.0	67.9	84.5	72.1	81.4	

Table No. 1: (Contd).		Ear Height (cm)											
Sl. No.	Entry Name	Zone-II (NWPZ)				Zone-III(NEPZ)							
		Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
63	OMH16-2	78.9	84.2	106.5	89.1	68.4	93.4	72.8	72.0	59.1	55.7	60.0	68.3
64	OMH16-3	102.7	109.5	117.6	110.1	94.6	102.8	90.9	62.9	83.3	87.6	81.1	84.9
65	PM17101L	95.1	106.6	110.3	105.2	78.2	109.0	69.8	70.2	51.1	80.4	86.3	77.8
66	PM17104L	88.2	117.9	115.6	105.5	78.4	102.4	89.5	60.2	75.5	79.2	83.0	80.9
67	PM17105L	79.5	102.5	123.8	103.5	78.9	108.5	87.5	71.0	70.1	79.1	83.0	82.3
68	PM17106L	78.2	90.5	118.3	95.5	68.7	100.4	79.7	69.1	60.5	70.0	75.6	74.7
69	QMH-1347	104.5	109.1	107.5	107.2	79.8	102.4	93.6	63.6	71.2	84.5	72.2	81.3
70	QMH-1353	110.1	109.1	141.7	120.7	86.6	99.4	87.7	60.6	74.3	66.3	79.4	77.7
71	QMH-1420	88.3	94.2	106.5	98.0	84.0	100.1	100.1	53.8	78.1	65.9	72.0	77.9
72	REH 2015-7	90.0	109.4	116.2	104.9	85.0	99.6	95.1	64.8	61.4	66.6	75.3	78.6
73	Rasi-2432	87.5	113.0	119.8	106.0	80.8	101.0	83.3	72.3	52.6	79.4	72.9	77.9
74	Rasi-3499	85.1	92.9	115.6	97.2	55.9	103.4	59.5	66.6	61.3	63.5	62.7	69.2
75	SVMH-66	82.1	89.4	106.1	93.9	65.0	97.9	75.7	75.9	69.6	69.8	62.3	74.5
76	Super-1818	82.6	100.6	111.8	99.9	55.0	101.2	77.5	60.0	60.2	58.8	70.6	68.8
77	TA 5084	89.5	84.5	108.8	93.0	70.9	95.4	59.5	70.0	55.8	59.3	79.5	70.4
78	TMMH 2840	71.7	85.7	96.5	87.1	55.5	100.3	84.3	66.1	52.1	48.4	68.8	68.0
79	TS 2505	98.2	99.1	107.8	100.5	73.7	99.3	100.6	70.2	66.7	72.8	76.1	79.3
80	VEH-17-1	74.7	80.9	91.7	82.5	59.1	95.5	61.4	65.9	53.9	64.6	67.6	66.7
81	VNR-35379	90.7	109.8	120.9	105.9	62.9	98.8	85.0	75.4	59.7	73.6	68.5	75.4
82	CMH 08-282 (C)	110.1	97.5	125.4	111.2	94.3	100.2	104.6	65.6	75.5	87.3	79.5	87.0
83	CMH 08-287 (C)	107.0	118.9	138.1	121.9	86.4	104.2	106.9	63.3	84.3	79.6	88.9	87.8
84	BIO 9682 (C)	82.9	99.3	132.4	104.2	74.2	101.2	77.2	58.9	72.5	84.9	71.4	77.4
	Location Mean	90.1	100.8	114.5	101.7	76.6	101.8	84.8	67.0	66.3	74.0	74.3	78.2
	CV (%)	13.4	11.2	10.4	11.6	15.1	6.7	16.5	11.7	11.1	17.6	8.7	13.0
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.27	0.00	0.01	0.00	0.00
	CD (5%)	19.6	18.2	19.3	11.7	18.7	11.1	22.6	12.6	11.9	21.1	10.6	6.8
	CD (1%)	25.8	24.0	25.5	15.4	24.7	14.6	29.9	16.7	15.7	28.0	14.1	9.0

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Table No. 1: (Contd).		Ear Height (cm)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India Mean
		Coimbatore Mean	Hyderabad Mean	Karimnagar Mean	Kolhapur Mean	Mandya Mean	Rahuri Mean	Vagarai Mean	Zone4 Mean	Ambikapur Mean	Banswara Mean	Chindwara Mean	Udaipur Mean	Zone5 Mean	
1	14561-010-04-01-03-3-2	40.8	39.8	36.7	53.0	69.1	91.1	42.9	51.9	38.3	44.7	39.3	36.0	38.9	.
2	16402-008-03-03	43.9	44.6	47.4	63.1	77.2	93.9	43.1	59.4	47.4	54.3	54.3	36.4	42.4	.
3	20637-009-03-02	42.9	48.0	42.5	73.9	77.6	91.3	49.5	59.8	51.3	-8.6	43.0	34.9	43.4	.
4	ADV 1390064	98.0	89.2	84.1	107.3	125.2	145.6	90.0	103.9	93.0	70.6	84.5	70.4	81.8	90.3
5	ADV 1390164	109.9	96.7	87.2	94.7	119.5	135.7	93.9	104.2	92.5	79.0	104.9	71.8	83.5	92.5
6	AH-1608	83.8	87.4	83.6	104.7	120.4	151.7	88.1	102.9	95.5	76.8	87.1	75.2	85.6	91.8
7	AH-1645	100.5	97.4	88.8	108.9	133.0	147.1	91.1	111.0	99.9	27.0	100.8	76.5	88.9	96.6
8	AH-8183	110.6	90.5	94.8	116.1	132.7	150.6	88.3	111.2	100.4	77.4	92.6	65.7	82.0	94.7
9	AMH-15119	96.8	84.9	77.6	90.8	118.7	142.7	87.8	100.0	86.7	89.0	76.7	71.7	79.3	86.0
10	AYN716443	87.8	88.4	72.1	97.6	120.9	130.7	80.9	95.8	90.9	67.7	84.2	73.3	80.4	83.7
11	B-57	103.9	82.0	80.8	102.8	138.5	130.6	69.5	102.8	89.1	68.4	83.7	57.2	74.9	86.2
12	BH 415017	86.7	86.8	88.9	107.7	123.8	120.0	76.0	101.3	93.2	33.8	86.1	68.4	79.9	88.6
13	BIO 218	93.8	102.9	102.2	135.5	135.2	162.1	91.2	116.9	103.8	66.1	93.4	78.3	90.9	101.4
14	CCH 2829	91.7	78.6	81.4	92.6	130.3	142.1	75.0	98.4	95.2	64.0	76.4	75.1	83.9	85.0
15	CMH 14-714	102.6	74.6	89.3	116.0	124.2	141.1	82.2	103.6	88.9	79.7	88.4	72.7	81.6	89.7
16	CMH 14-720	95.6	91.5	89.0	125.6	123.6	164.4	94.8	110.8	105.3	66.9	97.0	75.7	91.2	94.5
17	CMH 14-721	88.4	89.1	74.1	101.7	122.9	146.2	92.8	101.1	88.9	71.0	98.5	62.1	75.0	87.1
18	CMH 15-005	103.2	111.2	95.0	131.8	146.5	151.2	116.7	120.9	126.7	70.7	105.0	82.9	104.4	106.3
19	CP 777	100.0	93.6	84.3	109.6	127.0	141.8	93.9	107.2	93.2	76.8	75.1	79.5	87.6	91.4
20	CP 858	95.6	92.9	80.3	93.9	119.6	139.5	84.2	101.6	99.0	5.5	82.1	66.6	83.4	92.3
21	DAS-MH-114	82.5	75.7	78.6	83.3	118.6	136.9	82.4	93.7	90.1	68.2	74.5	59.3	74.5	83.0
22	DAS-MH-115	93.2	83.1	85.1	91.2	125.2	142.2	93.6	102.2	84.0	86.1	78.0	68.7	76.3	89.0
23	DKC 9182 (IR8513)	111.7	108.3	88.2	118.7	139.6	153.6	107.4	118.0	118.9	87.1	93.2	85.2	102.4	102.0
24	DKC 9185 (IR8449)	101.9	105.5	102.3	111.9	143.0	168.8	112.9	119.9	117.4	75.3	101.9	86.3	101.0	105.7
25	DKC9189 (IR8545)	99.9	93.1	92.6	97.9	130.2	147.7	94.2	107.3	98.3	66.6	90.6	71.6	84.8	96.1
26	GH 160131	84.0	77.6	80.8	95.8	120.0	134.7	83.1	96.8	83.3	86.3	74.8	73.1	75.9	83.8
27	GH 160224	94.6	84.2	75.1	99.8	116.5	140.4	82.9	98.4	91.1	59.8	306.7	70.9	79.8	87.1
28	GH-1301	97.9	94.8	78.5	103.4	115.5	152.5	90.0	103.9	93.0	93.2	94.5	76.1	83.7	92.3
29	GIN-04	95.7	96.1	81.5	110.1	120.8	140.4	74.2	103.9	94.0	58.5	101.1	77.6	85.2	90.7
30	GK 3211	97.0	100.4	87.1	108.2	134.4	142.0	90.8	110.0	96.6	343.2	88.0	77.9	87.1	94.6
31	HT 17169	102.1	92.8	87.7	117.9	123.4	140.2	100.5	110.5	121.4	76.8	89.0	78.4	98.7	96.6

Table No. 1: (Contd).		Ear Height (cm)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
32	IIMRNH 1701	84.6	90.8	80.8	102.8	110.6	148.9	84.4	99.8	93.9	61.7	87.2	71.8	82.2	88.7
33	IIMRNH 1703	125.6	104.1	95.2	113.2	132.4	159.3	102.8	117.8	110.3	71.4	106.7	76.4	92.3	100.3
34	IIMRNH 1704	80.7	98.1	74.5	103.4	119.9	134.7	92.4	101.8	99.6	71.4	97.4	79.2	88.4	89.6
35	IIMRNH 1705	100.2	97.9	79.5	107.0	135.3	154.2	103.5	111.5	111.0	50.8	55.6	90.4	99.3	100.8
36	IMHBG-17K-20	103.2	104.2	83.3	119.4	129.1	158.9	96.5	112.6	105.0	75.6	66.0	76.7	90.4	99.0
37	IMHBG-17K-23	91.8	96.7	85.4	120.8	136.9	155.5	95.7	110.9	104.8	86.4	106.9	82.1	92.8	96.8
38	IMHBG-17K-24	106.9	103.8	98.7	121.5	153.0	172.9	101.1	121.7	113.1	79.4	117.3	78.8	96.6	105.1
39	IMHBG-17K-25	98.2	91.8	88.6	108.3	127.5	161.8	88.3	109.2	96.8	55.6	88.8	78.8	88.0	95.5
40	JH 13336	110.2	111.5	88.2	130.5	136.4	166.9	120.8	123.5	124.2	69.9	97.5	95.8	110.9	106.9
41	JH 13346	113.2	109.3	97.3	132.7	130.0	139.2	93.4	117.8	121.9	87.3	130.5	86.1	102.8	103.5
42	JH 16031	109.9	107.3	98.7	127.5	131.2	162.0	117.4	123.6	121.5	35.9	109.2	93.8	107.8	105.8
43	JH 16034	102.1	113.7	92.0	135.3	136.3	164.2	94.7	118.6	116.9	95.6	114.6	98.3	108.4	109.0
44	JH 16040	112.4	90.1	87.5	116.6	127.5	150.2	103.2	113.8	113.6	69.2	62.1	71.9	92.2	98.1
45	JH 16041	105.3	95.8	99.1	109.2	133.6	153.0	97.0	112.9	107.8	101.5	92.4	76.0	94.4	97.8
46	JH 16046	99.7	108.0	99.1	133.9	139.2	165.6	101.1	119.6	115.6	81.0	113.5	76.0	95.9	102.7
47	JH 16054	116.3	115.0	102.2	117.4	140.5	160.0	104.3	122.5	110.8	71.1	100.4	84.8	98.3	105.6
48	JH 16081	92.5	107.0	97.4	111.1	130.2	158.2	110.1	115.3	109.2	73.5	115.9	81.4	95.9	102.9
49	JH 16118	105.2	94.5	98.7	112.5	133.0	162.5	99.7	117.7	119.0	72.1	103.3	86.8	103.3	104.2
50	JH 16209	110.9	108.2	107.2	126.1	145.6	165.7	97.9	123.2	117.0	74.0	79.7	105.4	109.2	107.4
51	JKMH 150375	106.3	115.2	103.9	137.5	148.6	176.7	105.0	127.5	114.4	82.7	105.6	82.4	98.7	105.9
52	KH-2193	91.9	94.8	83.9	119.5	126.7	136.0	89.0	108.5	97.9	67.7	83.6	73.4	84.4	91.4
53	KMH 463	95.0	91.3	84.2	88.2	124.0	139.6	88.3	101.5	91.4	27.0	94.1	74.4	83.2	87.0
54	KNMH-4410	102.9	88.3	85.5	83.3	113.8	135.5	85.1	99.6	87.5	68.6	87.9	81.5	84.7	86.5
55	KNMH-4513	97.8	81.4	84.5	92.3	119.4	147.7	78.3	99.5	92.8	64.1	87.8	59.3	77.3	85.7
56	MAH-2014-19	82.2	83.9	80.0	84.3	116.5	119.0	84.6	93.6	87.2	78.4	74.8	65.6	74.4	82.3
57	MAH-2014-3	100.5	98.5	83.8	118.9	137.4	148.7	81.6	110.0	96.6	77.2	87.4	82.8	91.1	95.4
58	MFH 16-21	81.0	85.0	70.3	101.4	114.7	141.2	83.6	96.1	89.5	53.4	86.4	70.8	80.6	82.6
59	MFH 16-22	101.9	87.6	76.9	98.2	125.6	155.7	84.4	106.0	88.1	95.1	94.4	76.2	83.1	91.1
60	NMH-4530	97.7	83.9	80.4	97.5	119.8	136.1	79.2	101.7	95.1	95.9	88.8	80.8	87.3	91.5
61	NS 8282	78.8	68.4	77.6	76.4	110.6	126.8	75.8	86.9	81.1	58.9	67.1	67.8	74.7	80.7
62	OMH16-1	101.0	90.8	80.6	117.4	139.3	160.0	95.4	111.0	106.8	73.8	102.9	74.2	93.1	98.3

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Table No. 1: (Contd).		Ear Height (cm)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
63	OMH16-2	80.3	91.8	71.7	91.5	126.1	136.6	81.4	96.6	89.5	91.1	83.5	67.8	77.9	83.0
64	OMH16-3	106.5	98.3	96.8	109.6	144.1	151.3	95.9	112.8	112.2	74.7	103.8	80.2	97.0	100.6
65	PM17101L	98.1	93.0	89.3	82.1	131.6	144.7	84.5	104.7	95.8	63.4	103.1	73.0	84.0	92.7
66	PM17104L	98.2	88.1	92.6	116.2	140.8	152.3	89.7	109.3	95.3	80.1	102.8	78.7	86.7	95.9
67	PM17105L	116.4	94.0	86.2	111.1	137.7	157.1	132.1	120.0	103.0	34.9	66.9	75.0	88.9	100.3
68	PM17106L	82.6	89.2	96.9	126.7	133.7	144.3	92.9	111.0	99.9	89.8	94.9	87.7	93.4	93.2
69	QMH-1347	91.6	101.3	83.2	108.8	131.5	146.2	98.7	109.9	115.9	67.0	78.9	79.6	97.3	97.5
70	QMH-1353	98.0	100.7	85.5	138.3	127.1	151.6	99.6	113.4	109.0	84.9	94.7	81.4	96.0	99.7
71	QMH-1420	97.0	98.4	85.5	102.9	128.6	138.9	84.5	104.5	90.2	66.5	90.8	65.7	77.9	91.1
72	REH 2015-7	90.4	84.5	76.6	106.4	113.3	158.0	94.1	102.4	93.6	43.7	90.3	63.3	81.1	91.9
73	Rasi-2432	94.2	89.3	82.6	96.6	118.3	145.0	86.3	101.8	95.3	76.9	95.4	76.5	86.0	91.9
74	Rasi-3499	92.1	87.4	79.1	96.4	127.2	140.8	90.2	102.2	88.6	89.9	78.7	68.2	78.0	86.6
75	SVMH-66	83.1	81.1	74.7	103.6	109.7	133.1	80.3	96.9	93.7	75.0	75.4	63.4	78.5	86.2
76	Super-1818	96.5	86.3	84.3	85.3	124.8	128.4	90.6	99.5	101.2	75.5	76.7	65.2	85.1	86.9
77	TA 5084	96.5	76.6	74.2	104.0	123.6	151.6	84.9	100.2	84.8	99.5	97.4	63.5	74.3	85.4
78	TMMH 2840	78.1	82.3	73.2	88.1	111.6	113.2	68.4	90.0	84.2	61.0	91.2	74.5	78.1	80.2
79	TS 2505	99.1	86.4	87.7	112.0	124.4	148.8	96.8	107.1	87.2	66.5	88.4	78.2	81.5	93.1
80	VEH-17-1	81.8	69.6	68.1	85.8	99.8	130.2	84.0	86.7	78.9	70.7	84.9	60.4	69.8	77.0
81	VNR-35379	88.4	89.7	76.3	114.7	132.3	152.9	88.7	105.2	100.5	92.1	78.4	75.4	89.0	92.7
82	CMH 08-282 (C)	102.9	115.8	103.1	124.4	141.0	145.9	97.1	119.4	119.2	48.8	74.5	85.7	101.4	104.2
83	CMH 08-287 (C)	104.4	113.3	100.3	116.8	147.3	276.7	116.5	139.7	119.6	77.1	99.9	85.3	102.3	113.8
84	BIO 9682 (C)	98.7	95.1	87.4	78.4	122.2	149.9	92.2	103.4	100.0	100.7	89.6	76.4	88.7	92.4
	Location Mean	95.5	91.8	84.7	106.3	126.1	146.8	90.6	106.0	98.5	73.2	91.7	74.5	86.5	93.5
	CV (%)	8.5	7.5	8.2	13.0	6.3	15.5	9.0	11.3	6.0	72.8	47.7	11.4	8.5	11.7
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.38	0.00	0.00	0.00
	CD (5%)	13.1	11.1	11.3	22.4	12.9	36.8	13.2	7.5	9.6	86.1	70.6	13.8	8.9	4.3
	CD (1%)	17.3	14.7	14.9	29.5	17.1	48.7	17.4	9.9	12.7	113.7	93.3	18.2	11.7	5.7

TABLE No. 2: Trial No. 62 (NIVT-Medium Maturity)

Yield (Kg/ha)

Sl. No.	Entry Name	Zone I (NHZ)												Zone-II (NWPZ)								Zone-III (NEPZ)											
		Bajaura		Gossaing		Kangra		Udhampur		Zone1		Karnal		Ludhiana		Pantnagar		Zone2		Baharaich		Bhubanesh		Dholi		Ranchi		Sabour		Varanasi		Zone3	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
75	MMH 16-11	10994	51	5293	85	6331	90	8371	76	7644	84	7710	51	6254	62	8024	74	8070	60	6500	27	4303	96	4199	35	807	56	2709	94	6331	87	5068	81
76	MMH 16-12	8819	95	5365	77	11888	7	8162	93	8483	31	7047	76	5420	82	9137	33	8063	61	4186	86	5193	63	2954	94	567	77	2429	99	5989	92	4580	98
77	NMH-4053	13500	6	6687	3	8509	14	8588	36	9368	4	8218	25	10981	1	10606	3	9252	4	7800	8	5288	56	5268	4	992	43	5246	16	9240	15	6498	12
78	NMH-4139	14199	1	5611	58	7658	36	8546	51	8876	11	6630	84	7844	22	8093	70	7090	97	7247	18	5884	17	4738	13	508	83	4982	24	8420	36	6277	16
79	NMH-51+	12216	29	5076	92	6293	92	8848	8	8140	59	8173	26	6623	57	8087	71	8278	47	5350	60	4872	83	3244	83	1007	41	4332	51	6927	71	5008	83
80	OMH16-4	10274	62	6096	19	7370	45	8646	25	8128	60	7903	41	6993	50	7186	95	7649	80	6305	33	5401	51	4255	26	2591	2	5457	13	8886	23	6013	31
81	PM17102M	13820	4	5946	33	8811	10	8375	75	9249	5	7899	42	9985	3	8142	67	7739	75	9122	4	4974	79	4795	12	889	50	5491	10	10075	3	6520	11
82	PM17103M	10050	66	6296	10	8241	16	8285	85	8366	37	8052	35	8395	16	8627	55	8430	37	6719	21	6595	1	3892	51	1556	14	5477	12	9393	11	6674	7
83	RCRMH 4-1	10469	59	5575	61	6285	93	8618	32	7817	80	8011	38	7880	21	7916	82	7667	78	34296	1	5443	47	3433	76	-246	97	4108	57	5093	98	4795	95
84	RCRMH3(CAH156)	11068	49	5855	42	8144	17	8052	100	8192	54	7045	77	9612	6	9053	36	7927	66	5144	62	5810	23	4519	18	710	65	3979	66	7959	45	6104	26
85	REH 2013-15	9277	88	5613	57	6108	97	8842	9	7453	96	9514	3	7140	47	6126	98	7636	81	2503	98	5913	15	3593	70	550	79	2967	91	6429	82	5360	71
86	REH 2013-21	9846	75	5310	83	6698	78	8386	72	7494	95	6140	95	5934	73	8141	68	7114	96	6253	36	5194	62	3772	56	775	59	4423	49	7231	65	5513	60
87	STAR-X-14	9253	90	5187	90	6833	70	8580	39	7511	93	7373	63	7227	43	9052	37	8166	55	6634	23	5550	40	4317	22	1783	6	4879	29	9984	4	6699	3
88	STAR-X-16	10855	54	5888	39	6377	88	8271	88	8059	64	8147	27	4735	86	8648	54	8372	40	1057	100	5377	52	3108	88	679	67	3949	68	7659	51	5509	61
89	STAR-X-18	12541	23	4815	96	7505	40	8933	4	8523	29	7262	67	6577	60	9413	25	8143	56	29041	2	5115	69	4902	9	774	60	3300	85	8956	19	6492	13
90	STAR-X-20	11590	37	5973	29	7114	58	8562	44	8318	40	8694	13	6909	52	9154	32	8583	31	6490	28	5089	71	4309	23	647	70	4640	40	9245	14	6232	19
91	SYN716725	11742	35	5329	82	6007	99	8659	23	8117	61	8355	19	7804	24	8980	40	8781	17	4015	91	5489	42	4879	10	684	66	4849	31	7637	52	6093	27
92	UDMH-131	7418	98	5501	64	6980	64	8781	11	7264	99	5666	99	4020	96	8923	46	7461	88	5054	67	6539	2	2464	100	.	.	2672	96	6309	88	5109	78
93	UDMH-132	8156	97	5826	48	12297	5	8431	68	8726	18	9538	2	4539	91	8585	58	8776	18	7325	15	6112	7	3622	67	958	45	3673	78	4997	99	5092	80
94	VaMH 15005	13526	5	5910	37	6899	68	8323	81	8531	28	7722	50	5906	75	7628	89	7866	68	6201	37	5849	22	3617	68	1453	15	4674	38	7303	61	5596	53
95	VaMH 15036	10009	70	6281	12	6954	66	8115	98	7748	81	7598	53	7316	39	9873	14	8639	27	8499	5	5629	33	3711	60	609	73	5484	11	7787	47	5771	45
96	WH-1010	12810	16	6032	22	7699	35	8642	27	8668	22	7061	75	8836	13	9862	16	8289	46	6184	38	4808	88	3922	49	1246	20	3930	70	8414	37	5716	50
97	WH-1094	11559	40	5489	66	7123	57	8335	80	8140	58	8453	16	7698	27	9381	27	9000	11	5508	56	5158	65	5849	1	1101	30	5225	17	7760	48	6320	14
98	CMH 08-292 (C)	13390	8	4701	100	6340	89	8544	52	8279	47	8114	30	7922	20	9250	30	8924	14	7315	16	6240	4	3364	78	1041	36	4649	39	8613	31	6108	24
99	BIO 9544 (C)	9453	83	7176	1	6246	94	8740	13	7911	75	7231	69	9074	10	10165	8	8649	24	6486	29	5456	46	4952	6	1002	42	4001	64	9678	7	6676	5
100	DHM 121 (C)	10033	68	5300	84	7894	27	8615	35	8023	66	6185	94	4320	92	8935	45	7530	84	5019	68	4854	87	3529	71	.	.	4009	63	7036	70	4935	90
	Location Mean	10995	.	5726	.	7678	.	8520	.	7979	.	7638	.	6814	.	8747	.	8190	.	6230	.	5362	.	3917	.	994	.	4340	.	7718	.	5411	.
	CV (%)	6.2	.	15.9	.	16.1	.	3.7	.	11.0	.	18.3	.	20.7	.	14.5	.	16.3	.	92.9	.	19.1	.	18.9	.	68.3	.	25.0	.	16.3	.	18.0	.
	F (Prob)	0.00	.	0.95	.	0.00	.	0.11	.	1.00	.	0.19	.	0.00	.	0.00	.	1.00	.	0.07	.	0.93	.	0.00	.	0.04	.	0.00	.	0.00	.	1.00	.
	CD (5%)	1105	.	1463	.	1995	.	508	.	767	.	2254	.	2271	.	2049	.	1569	.	9326	.	1650	.	1193	.	1096	.	1747	.	2041	.	1015	.
	CD (1%)	1465	.	1931	.	2632	.	670	.	1009	.	2974	.	2997	.	2704	.	2067	.	12308	.	2178	.	1574	.	1447	.	2305	.	2706	.	1336	.

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TABLE No. 2: (Contd.)

Sl. No.	Entry Name	Zone-IV(PZ)																Zone-V(CWZ)										All India	
		Coimbatore		Dharwad		Hyderabad		Karimnagar		Mandya		Rahuri		Vagarai		Zone4		Banswara		Chindwara		Jhabua		Udaipur		Zone5			
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R		
1	16402-008-01-01-03-5-2	1953	100	1767	100	1042	100	1127	100	1006	100	1383	100	4210	99	1915	100	1296	100	1541	100	2830	96	433	100	1481	100	.	.
2	ADV 140187	12526	2	11288	9	9336	11	8921	29	9406	26	11109	11	10617	1	10637	4	6792	20	12250	1	6158	11	2528	49	6919	4	8314	6
3	ADV 140235	12151	4	12654	1	11609	1	9155	22	11312	2	10337	23	10122	3	11020	1	6787	21	11446	3	5043	43	2742	36	6456	12	8371	4
4	AH 6007	7884	81	5320	96	4828	93	7606	57	6840	87	8999	70	6791	85	6849	88	4656	84	6192	84	3856	88	2310	65	4286	88	6413	87
5	AH 6008	7800	84	8276	61	6344	75	7572	59	9426	25	9142	63	6754	86	7702	74	5361	69	7749	65	5169	38	2382	58	5047	67	6708	76
6	AH 6009	7412	91	5388	94	5171	92	7641	54	9299	30	9323	51	6545	89	6986	85	5092	78	8107	56	4089	83	2142	78	4915	69	6397	89
7	AH 6017	6105	99	6670	82	4736	94	6550	84	9373	28	9081	66	6426	90	6613	90	6214	40	6796	78	3707	91	2300	66	4735	76	6398	88
8	AH-1606	8950	52	11379	6	8055	33	7193	69	8276	57	9731	38	9206	20	9103	28	7041	15	9680	21	4987	48	3497	10	6231	17	8023	14
9	AH-7067R	7464	90	8436	57	5486	87	4757	95	6782	88	8226	82	7508	69	6966	87	5796	56	5604	90	4988	47	2215	71	4595	80	6667	78
10	AMH-14258	8478	68	8646	53	8627	22	8843	31	7967	66	8182	84	7671	65	8383	56	5543	63	8089	58	4286	75	2022	83	4882	72	7107	63
11	BH 415012	8354	71	5903	91	5507	86	6976	77	9395	27	9415	48	6634	88	7122	82	5164	76	5730	89	4067	84	2074	82	4310	87	6330	91
12	BH 415100	7518	87	7757	70	7415	51	6544	85	6686	91	8182	83	8177	48	7597	77	4988	81	7756	64	4311	74	3538	7	5086	65	6829	73
13	BH 415158	9983	25	9584	35	8207	30	9024	26	8481	52	9269	54	9382	16	9273	26	7841	5	10639	7	5653	23	3806	4	6911	5	7978	16
14	BLH 117	11916	6	9662	32	8556	23	9957	11	9881	15	10354	22	8126	50	9837	12	6358	34	9592	23	4920	52	2314	63	5776	38	7862	23
15	BLH 118	9963	27	8867	46	10417	2	10016	9	9600	19	13150	1	9426	15	10241	6	9385	1	11041	5	6599	5	3268	17	7555	1	8267	9
16	BLH 119	10109	21	10040	29	7708	43	8223	44	7283	78	9160	61	9445	14	9124	27	5348	70	8694	41	4811	58	1086	98	4897	70	7392	47
17	BLH 120	10563	18	7371	74	8831	18	9582	15	8020	63	9369	49	7859	61	8942	36	6235	39	9277	30	3516	93	1109	97	5048	66	7352	50
18	BLH 121	13170	1	10888	10	7916	38	9081	25	6953	84	9620	42	9876	6	10083	8	6653	23	9973	18	6015	15	1055	99	5968	31	8208	10
19	BLH 122	10796	13	11472	4	9591	9	8256	43	6674	92	10498	19	7537	68	9741	15	7697	6	9674	22	3720	90	2201	73	5885	32	7683	32
20	BRMH-10 (CAH-1566)	7841	83	10574	16	7097	58	7225	67	9919	14	7005	92	8749	26	8107	62	5400	66	7707	66	5636	24	2527	50	5139	63	7115	61
21	CCH 1818	9459	39	10717	14	8517	25	8412	40	8924	43	9298	53	8589	34	9316	24	5843	55	7422	68	4641	64	2454	52	5127	64	7624	34
22	DAS-MH-311	10083	23	9662	33	8733	20	9346	17	10375	7	8452	77	8542	36	9025	31	6723	22	8386	50	6520	7	1847	89	5837	34	7572	38
23	DH-314	8808	57	9530	36	6419	74	7109	73	8145	60	9162	60	7648	66	8160	61	7181	12	8093	57	5142	41	2437	53	5797	36	7214	58
24	DKC7181 (IR8003)	10280	19	10693	15	9645	8	9141	23	10116	11	10866	15	9767	8	9830	13	6073	46	10450	8	5435	30	4662	1	6629	9	8324	5
25	DKC8181 (IR8004)	8722	61	10294	20	8135	31	11256	1	10481	6	11859	5	8639	30	9944	11	6470	31	10351	10	4892	54	2691	40	6151	21	8288	7
26	EH 2870	9813	31	6732	81	6865	64	7334	65	8828	45	9076	67	5874	95	7729	72	6019	49	8460	48	5286	34	2902	28	5661	44	7028	69
27	EH 2898	8968	50	7684	72	7618	46	7743	53	7181	80	9940	32	6974	80	8210	59	6132	44	9952	19	4162	82	2946	25	5856	33	7114	62
28	GH 160295	9905	28	9812	31	7211	54	8621	37	8249	58	10375	21	7419	72	8747	42	6520	29	8168	55	5337	32	2415	54	5625	46	7282	54
29	GIN-03	10096	22	9406	37	8229	29	8281	42	11411	1	9096	64	8489	40	8937	38	5037	80	8552	46	4230	79	2625	43	5167	62	7291	53
30	GK 3213	11047	11	12148	2	8022	35	9249	20	9441	23	7713	89	8217	46	9487	20	7627	7	8687	43	6836	3	2332	61	6269	16	7937	19
31	GK 3215	10683	15	11318	7	5837	82	10214	6	8134	62	10868	14	9264	17	9829	14	6598	26	9469	29	4631	65	1907	88	5622	47	7942	18
32	HKH 361	9789	34	10156	23	7263	53	6273	88	4813	99	10140	28	8186	47	8644	46	6510	30	10385	9	4250	77	2817	31	6019	29	7593	37
33	HKH 362	8305	74	8555	55	6780	68	7048	75	6849	86	9323	52	8312	45	8015	68	6457	32	7757	63	5494	28	2791	34	5694	42	7253	57
34	HKH 363	8500	67	5337	95	4671	95	6605	83	6211	98	7775	88	8109	51	6969	86	4585	87	7158	71	4358	73	2350	59	4447	82	6417	86
35	HKH 364	11511	8	8643	54	7600	47	7521	60	7642	71	9482	46	8695	28	8977	33	5071	79	8756	39	4505	71	2841	29	5279	58	7597	36
36	IIMRNH 1702	9980	26	9229	41	10184	5	8720	32	9093	36	9148	62	7960	57	8965	34	7322	9	8293	52	5915	17	3726	5	6290	15	7656	33
37	IMHBG-17K-1	8648	62	10378	18	5864	81	7136	71	7314	77	9668	40	6802	84	8026	67	5213	73	7826	62	5406	31	2194	75	5244	60	7104	64

TABLE No. 2: (Contd.)

Sl. No.	Entry Name	Zone-IV(PZ)																Zone-V(CWZ)										All India	
		Coimbatore		Dharwad		Hyderabad		Karimnagar		Mandya		Rahuri		Vagarai		Zone4		Banswara		Chindwara		Jhabua		Udaipur		Zone5			
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R		
38	IMHBG-17K-10	9806	32	9173	42	10291	3	8859	30	8313	56	10880	13	7776	63	9399	22	6823	18	9475	28	5472	29	2719	38	6075	25	7791	28
39	IMHBG-17K-11	8631	63	8338	59	7202	55	6653	82	6563	95	9092	65	9050	22	8222	58	6166	42	7584	67	5525	27	2832	30	5457	52	7271	55
40	IMHBG-17K-12	9031	49	8492	56	8392	26	8357	41	9235	32	9223	59	8474	41	8548	51	5170	75	4540	98	5157	40	2689	41	4423	84	7079	66
41	IMHBG-17K-13	10228	20	10057	28	7898	39	7821	52	7995	64	11118	10	7822	62	8940	37	5682	60	7368	69	5814	18	3077	21	5431	54	7485	41
42	IMHBG-17K-14	8951	51	8325	60	7356	52	6729	81	8971	41	7476	91	7960	56	7803	69	4860	83	6729	79	4854	56	2630	42	4731	77	6814	74
43	IMHBG-17K-15	9269	44	8072	65	7008	60	9089	24	6862	85	9836	35	8140	49	8554	50	6337	36	9173	32	5981	16	4048	2	6513	11	7909	20
44	IMHBG-17K-16	9272	43	8779	49	8347	28	7219	68	9116	35	10644	18	8994	25	8913	39	8576	3	9578	25	6047	12	2749	35	6792	6	7837	24
45	IMHBG-17K-17	9823	29	7966	68	6975	62	7503	63	8141	61	9743	37	8687	29	8403	54	7228	10	9147	33	6951	1	3511	9	6596	10	7864	22
46	IMHBG-17K-18	9049	48	9389	38	8827	19	8699	34	10159	10	8466	76	8602	33	8746	43	7028	16	9583	24	4727	62	3032	22	6067	26	7553	39
47	IMHBG-17K-19	8775	58	6349	87	7144	57	8635	35	8459	53	9729	39	7424	71	8069	63	5299	71	9234	31	3955	86	2560	46	5193	61	6917	70
48	IMHBG-17K-2	8406	69	7159	77	5284	89	6746	80	7044	82	6578	95	8067	54	7037	84	3939	90	6925	76	4770	59	2199	74	4419	85	6643	80
49	IMHBG-17K-21	8039	79	8651	52	6625	71	5966	91	8560	50	7479	90	7893	58	7497	79	4645	86	7076	73	4620	66	2805	32	4770	74	6604	82
50	IMHBG-17K-22	8899	54	8044	66	7085	59	8571	38	9003	39	8771	73	6711	87	8043	65	6010	50	7902	61	5752	20	2537	48	5632	45	7104	65
51	IMHBG-17K-3	8343	73	7660	73	6592	72	7077	74	8809	47	6070	98	6267	92	6831	89	5397	67	5468	92	3497	94	2184	76	4204	89	6104	96
52	IMHBG-17K-4	8592	64	9085	43	6094	77	6362	87	7464	74	9230	57	6924	81	7737	71	4012	89	7042	74	4237	78	2395	57	4475	81	6846	72
53	IMHBG-17K-5	8147	77	5974	90	6726	69	7603	58	6733	90	8024	86	6853	83	7321	81	4894	82	7097	72	4700	63	1927	87	4598	79	6518	85
54	IMHBG-17K-6	8748	59	10745	13	7477	50	7256	66	9675	17	9241	56	7883	59	8587	48	6054	47	8063	59	5029	44	2412	55	5503	50	7523	40
55	IMHBG-17K-7	8187	76	10444	17	7637	45	9617	14	9190	33	9027	69	7356	73	8845	41	5988	51	9555	26	3914	87	2158	77	5547	49	7355	49
56	IMHBG-17K-8	9707	36	11558	3	7181	56	10318	4	6980	83	9876	34	9227	19	9619	18	5911	52	10085	14	5331	33	2905	27	5993	30	7830	25
57	IMHBG-17K-9	10779	14	7743	71	7847	40	9279	18	8936	42	7900	87	9580	12	8894	40	5891	53	9088	34	4887	55	2234	70	5500	51	7402	46
58	JASL-2033	10583	17	10151	24	7653	44	9212	21	7970	65	11181	9	9645	10	9699	16	6122	45	10699	6	5743	21	1773	92	6220	18	7957	17
59	JH 16029	9249	45	8759	50	8554	24	9015	27	8208	59	11449	7	7878	60	9087	29	9075	2	10319	11	6241	10	3268	16	7108	2	8015	15
60	JH 16045	9283	42	10360	19	9011	14	9479	16	8483	51	10160	27	8503	39	9489	19	6616	25	10027	16	4213	81	3420	13	6137	23	7901	21
61	JH 32055	8722	60	8851	48	6445	73	7405	64	7141	81	9040	68	8005	55	8180	60	7098	13	8702	40	6585	6	2564	45	6217	19	7467	42
62	JKMH 15303	11557	7	11305	8	10028	6	6938	78	10724	4	11914	3	9448	13	10333	5	6300	38	8250	53	5232	35	3132	20	5703	41	8383	3
63	K-27	8040	78	10235	22	7519	49	9991	10	9427	24	9228	58	9239	18	9045	30	5183	74	8647	44	5229	36	2314	62	5364	56	7608	35
64	KH 103	8840	56	8107	64	8933	16	8058	48	9699	16	8254	81	8526	38	8392	55	6193	41	8940	36	4763	60	2483	51	5670	43	7453	43
65	KMH 16-1	7528	86	7297	76	5297	88	6257	89	8455	54	9349	50	7155	76	7056	83	3541	97	6577	80	4285	76	1987	84	4057	91	6548	83
66	KMH 16-2	6947	93	4155	99	6952	63	5209	93	8823	46	8867	71	7086	78	6528	92	5694	59	6070	86	5027	45	1652	95	4635	78	6662	79
67	KMH 16-25	6353	98	4720	97	4192	97	4035	97	10178	8	5982	99	6896	82	5425	98	3872	93	4777	97	2739	98	1777	91	3243	97	5968	98
68	KMH 16-29	7464	89	6452	86	6656	70	3555	98	9080	37	6591	94	6176	94	6152	95	3713	95	5278	93	3982	85	2138	79	3896	92	6380	90
69	KMH 16-40	7865	82	6920	79	6048	79	5226	92	9263	31	6416	96	6242	93	6339	94	3924	91	5018	95	3806	89	2239	69	3813	94	6291	93
70	KMH 16-42	6374	96	6184	89	5211	90	4871	94	8423	55	8368	79	5580	97	6096	96	3905	92	4846	96	4608	68	2089	81	3887	93	6313	92
71	LMH 1017	9730	35	10143	25	8681	21	7823	51	7526	72	10126	29	7478	70	8951	35	6576	27	10013	17	6045	13	2999	24	6423	13	7793	27
72	LMH 817	7789	85	9289	39	8107	32	6367	86	9515	21	11086	12	8549	35	8488	52	7189	11	8467	47	5664	22	2915	26	6138	22	7419	44
73	LMH 917	9789	33	8369	58	5893	80	8634	36	9504	22	8309	80	8540	37	8313	57	6565	28	6327	83	4819	57	2313	64	5016	68	7157	59
74	LMH1117	9579	37	7968	67	7753	42	8105	46	9635	18	9658	41	8442	43	8610	47	6346	35	8866	38	4957	50	3441	11	6055	27	7368	48

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TABLE No. 2: (Contd.)

Sl. No.	Entry Name	Zone-IV(PZ)																Zone-V(CWZ)										All India	
		Coimbatore		Dharwad		Hyderabad		Karimnagar		Mandya		Rahuri		Vagarai		Zone4		Banswara		Chindwara		Jhabua		Udaipur		Zone5			
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R		
75	MMH 16-11	7921	80	6989	78	5173	91	7630	55	6599	94	9878	33	8450	42	7595	78	6372	33	6490	82	4749	61	2101	80	4896	71	6685	77
76	MMH 16-12	7474	88	5396	93	5602	84	6179	90	7328	76	6402	97	7059	79	6411	93	3848	94	5520	91	2866	95	2208	72	3729	96	6181	94
77	NMH-4053	12379	3	10797	11	9337	10	10108	7	11145	3	11866	4	10385	2	10923	2	5130	77	10089	13	6655	4	2736	37	6099	24	8709	1
78	NMH-4139	11448	9	11383	5	9236	13	10462	3	9971	13	11657	6	10109	4	10658	3	6132	43	11435	4	6366	8	2410	56	6638	8	8386	2
79	NMH-51+	8208	75	6748	80	6074	78	7966	49	7849	67	9791	36	5720	96	7387	80	5617	61	6866	77	3520	92	1987	85	4443	83	6635	81
80	OMH16-4	8545	66	10748	12	6787	67	7515	62	6319	97	8548	74	8715	27	8479	53	5774	57	8220	54	4537	69	2569	44	5307	57	7259	56
81	PM17102M	10615	16	10285	21	8930	17	10556	2	8867	44	10740	16	9037	23	9996	10	6037	48	10194	12	5756	19	3007	23	6293	14	8281	8
82	PM17103M	8550	65	8915	45	7764	41	9785	13	10172	9	11960	2	9187	21	9342	23	6820	19	6505	81	5580	25	2700	39	5404	55	7776	30
83	RCRMH 4-1	8380	70	7803	69	7924	37	8707	33	7476	73	9244	55	9581	11	8655	44	4652	85	9546	27	5181	37	1746	94	5252	59	7051	68
84	RCRMH3(CAH156)	10947	12	9289	40	10287	4	10050	8	8985	40	10446	20	9744	9	10059	9	6965	17	10051	15	6849	2	3423	12	6767	7	8130	12
85	REH 2013-15	8345	72	6493	84	5762	83	7930	50	9062	38	10290	25	7220	74	7747	70	5452	65	7025	75	1801	100	1944	86	4102	90	6538	84
86	REH 2013-21	9095	47	8244	62	5547	85	8069	47	7410	75	10105	30	7111	77	8069	64	5455	64	7946	60	6277	9	2297	67	5448	53	6896	71
87	STAR-X-14	11229	10	8694	51	8979	15	9250	19	10565	5	10705	17	8381	44	9464	21	6629	24	8877	37	5129	42	2247	68	5819	35	7710	31
88	STAR-X-16	9439	40	6274	88	6836	65	7029	76	7253	79	8447	8	8090	53	7723	73	4499	88	5903	87	4614	67	2797	33	4410	86	6798	75
89	STAR-X-18	10018	24	8854	47	6794	66	7117	72	10035	12	9527	45	9843	7	8653	45	5239	72	7345	70	5016	46	1629	96	4776	73	7409	45
90	STAR-X-20	8894	55	5893	92	6155	76	7519	61	6332	96	8793	72	8629	31	7663	75	5845	54	5815	88	4368	72	3345	14	4768	75	7068	67
91	SYN716725	9814	30	9628	34	9667	7	8940	28	8626	48	10202	26	7570	67	9281	25	6308	37	9850	20	4225	80	3849	3	6031	28	7777	29
92	UDMH-131	6362	97	4490	98	2948	99	3230	99	6779	89	8171	85	5109	98	5097	99	3567	96	4112	99	2797	97	1836	90	3095	99	5373	99
93	UDMH-132	6732	95	6551	83	4362	96	4557	96	6615	93	6849	93	6291	91	5805	97	2565	98	5192	94	2646	99	2557	47	3226	98	6076	97
94	VaMH 15005	6886	94	7365	75	6977	61	6861	79	9170	34	9553	43	8093	52	7611	76	7055	14	8301	51	4535	70	3223	18	5789	37	7136	60
95	VaMH 15036	9377	41	8240	63	7532	48	8150	45	7826	68	10291	24	7762	64	8568	49	5774	58	8407	49	4961	49	3317	15	5570	48	7337	52
96	WH-1010	8937	53	9005	44	8054	34	7171	70	7752	69	8524	75	7193	75	8027	66	5361	68	8692	42	5159	39	3529	8	5719	40	7349	51
97	WH-1094	9510	38	9887	30	7939	36	8477	39	9586	20	9949	31	8614	32	9000	32	7430	8	8607	45	5530	26	3552	6	6208	20	7800	26
98	CMH 08-292 (C)	9156	46	10084	27	8357	27	9899	12	9328	29	11405	8	9020	24	9634	17	7959	4	11916	2	4905	53	3180	19	7022	3	8158	11
99	BIO 9544 (C)	11965	5	10133	26	9255	12	10304	5	8581	49	9472	47	9904	5	10183	7	5595	62	9060	35	6025	14	2340	60	5775	39	8063	13
100	DHM 121 (C)	7298	92	6458	85	3715	98	7625	56	7684	70	9534	44	3944	100	6560	91	2102	99	6131	85	4927	51	1754	93	3798	95	6138	95
	Location Mean	9099	.	8638	.	7302	.	7840	.	8444	.	9305	.	8025	.	8367	.	5830	.	8167	.	4919	.	2555	.	5365	.	7183	.
	CV (%)	13.8	.	18.1	.	18.6	.	16.0	.	21.6	.	16.5	.	14.3	.	16.2	.	23.1	.	14.8	.	24.2	.	25.6	.	21.1	.	16.4	.
	F (Prob)	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	1.00	.	0.00	.	0.00	.	0.00	.	0.00	.	1.00	.	1.00	.
	CD (5%)	2025	.	2524	.	2183	.	2020	.	2934	.	2469	.	1842	.	929	.	2172	.	1954	.	1918	.	1054	.	951	.	462	.
	CD (1%)	2672	.	3332	.	2880	.	2665	.	3872	.	3259	.	2431	.	1222	.	2866	.	2579	.	2532	.	1390	.	1251	.	607	.

TABLE No. 2: (Contd.)		Plant Stand('000/ha)																
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)							
		Bajaura Mean	Gossaingaon Mean	Kangra Mean	Udhampur Mean	Zone1 Mean	Karnal Mean	Ludhiana Mean	Pantnagar Mean	Zone2 Mean	Baharaich Mean	Bhubaneswar Mean	Dholi Mean	Ranchi Mean	Sabour Mean	Varanasi Mean	Zone3 Mean	
1	16402-008-01-01-03-5-2	54.8	78.6	71.7	73.5	68.1	61.5	69.6	.	.	64.9	75.6	55.7	69.4	37.3	56.0	59.6	
2	ADV 140187	72.6	80.5	81.5	73.0	76.4	61.4	83.2	62.3	68.7	70.5	70.6	54.9	72.3	83.7	74.2	72.4	
3	ADV 140235	73.3	73.2	83.9	74.0	75.8	60.5	78.2	59.9	67.0	71.7	75.7	57.1	79.4	75.4	68.7	71.4	
4	AH 6007	69.3	77.2	73.7	71.1	72.0	61.2	62.5	58.9	59.7	69.3	72.9	54.4	46.9	54.4	36.5	55.4	
5	AH 6008	66.0	75.9	71.4	72.4	71.7	60.8	65.7	40.6	56.1	67.1	71.4	58.2	68.4	69.3	58.8	65.4	
6	AH 6009	63.4	68.4	69.7	73.1	68.6	60.3	59.0	55.8	59.4	67.0	73.9	52.8	43.6	58.5	48.3	57.3	
7	AH 6017	71.5	77.8	76.7	72.5	73.5	62.0	78.3	54.5	65.1	72.0	74.9	54.9	37.5	71.5	66.4	62.7	
8	AH-1606	70.2	73.4	75.1	75.1	72.4	61.8	79.0	54.2	65.6	70.3	74.5	58.4	69.5	75.4	61.3	68.3	
9	AH-7067R	73.8	76.7	76.0	72.9	76.3	59.9	72.2	63.9	65.8	68.9	73.3	61.9	80.9	80.4	70.3	72.1	
10	AMH-14258	74.7	68.9	72.4	72.6	71.8	61.8	83.2	60.1	68.2	69.9	71.2	54.3	75.7	72.4	69.7	68.8	
11	BH 415012	70.8	79.3	72.8	75.1	74.5	61.1	71.3	60.6	64.5	65.1	72.6	55.3	74.4	72.7	72.3	68.3	
12	BH 415100	74.7	76.3	83.0	73.8	77.9	61.8	67.3	57.1	62.7	68.5	75.0	54.3	75.7	78.4	64.0	69.0	
13	BH 415158	77.0	71.4	78.4	72.7	74.4	60.8	82.8	56.8	67.4	75.8	71.5	57.1	80.8	80.4	74.2	73.1	
14	BLH 117	55.8	72.6	81.7	71.8	71.7	61.2	70.6	54.3	62.6	73.9	73.6	57.5	72.5	70.8	63.2	68.5	
15	BLH 118	73.7	77.0	77.6	72.7	74.2	60.1	83.2	59.7	66.8	70.1	73.0	54.4	75.9	79.8	75.2	71.1	
16	BLH 119	69.0	76.4	69.2	75.0	72.5	59.3	74.5	62.5	64.1	72.6	75.2	51.5	80.1	77.2	73.7	71.5	
17	BLH 120	59.0	72.9	73.0	73.3	69.8	60.9	63.2	58.9	62.0	69.7	72.0	53.0	69.6	78.6	71.0	69.0	
18	BLH 121	82.3	69.5	75.3	73.6	75.6	60.8	81.5	64.9	67.7	72.0	73.7	57.1	78.0	78.5	69.5	71.4	
19	BLH 122	71.9	76.0	77.0	74.7	76.5	60.7	71.9	56.3	64.0	69.4	71.6	57.2	67.2	76.8	74.4	69.1	
20	BRMH-10 (CAH-1566)	75.4	70.4	78.6	73.0	75.6	60.4	80.1	58.4	65.9	68.8	75.0	61.1	88.0	79.3	69.7	73.6	
21	CCH 1818	74.1	75.3	81.9	74.0	76.8	60.8	72.3	62.2	65.6	71.3	75.6	60.6	72.5	73.5	76.3	71.0	
22	DAS-MH-311	74.0	66.0	68.5	72.5	70.9	61.2	73.0	58.2	64.5	66.1	73.6	56.1	70.7	71.3	72.0	68.2	
23	DH-314	65.6	70.2	75.1	72.6	70.8	60.3	77.1	58.9	65.9	70.5	76.1	60.1	77.3	67.4	70.0	70.3	
24	DKC7181 (IR8003)	67.2	76.3	76.7	71.7	72.5	61.9	79.1	57.9	64.9	74.7	75.7	59.3	74.9	84.0	66.5	72.3	
25	DKC8181 (IR8004)	78.3	79.2	84.0	73.5	79.1	60.0	72.8	62.7	65.1	70.7	75.9	57.6	74.9	81.7	76.9	72.3	
26	EH 2870	59.9	77.8	78.3	71.6	72.4	59.6	69.4	52.8	60.8	67.8	75.6	54.8	76.0	63.8	68.5	67.6	
27	EH 2898	62.0	77.7	77.9	74.4	72.9	62.1	68.0	56.7	62.5	70.7	75.2	56.6	73.2	76.7	67.0	71.1	
28	GH 160295	72.7	76.3	78.7	71.9	76.1	60.3	71.6	61.2	64.6	70.5	74.2	57.5	82.1	79.2	72.0	72.6	
29	GIN-03	76.9	71.1	78.0	73.0	74.4	60.9	76.2	60.3	65.2	65.5	75.1	56.7	70.8	52.2	66.2	65.8	
30	GK 3213	69.9	78.6	78.0	72.1	74.1	61.3	81.0	56.9	66.9	74.8	77.2	61.3	77.6	78.3	67.1	72.5	
31	GK 3215	78.7	77.5	75.2	72.9	76.5	59.6	73.4	55.4	63.6	66.9	74.7	55.3	73.4	67.9	95.2	72.0	
32	HKH 361	74.4	76.6	72.8	73.5	75.1	60.0	80.3	59.1	66.0	66.7	75.5	55.2	78.3	80.7	69.6	72.5	
33	HKH 362	81.2	73.3	82.9	74.6	78.0	62.0	81.2	62.7	69.2	72.1	70.3	58.1	74.7	80.5	73.9	71.4	
34	HKH 363	66.9	76.3	78.5	73.1	73.9	59.8	78.5	61.8	66.8	72.9	73.0	57.6	70.7	72.8	69.1	69.1	
35	HKH 364	63.6	71.5	79.1	74.0	71.8	59.9	71.7	60.5	64.3	71.2	74.3	53.8	74.0	71.4	61.8	67.7	
36	IIMRNH 1702	65.3	66.3	75.0	73.3	70.8	59.5	79.8	58.0	64.9	75.9	72.1	56.9	74.6	65.3	65.8	68.2	
37	IMHBG-17K-1	66.2	75.1	74.5	72.8	73.0	60.0	72.3	60.1	63.7	72.5	71.3	55.2	72.2	77.7	62.5	68.7	

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TABLE No. 2: (Contd.)		Plant Stand('000/ha)															
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura Mean	Gossaingaon Mean	Kangra Mean	Udhampur Mean	Zone1 Mean	Karnal Mean	Ludhiana Mean	Pantnagar Mean	Zone2 Mean	Baharaich Mean	Bhubaneswar Mean	Dholi Mean	Ranchi Mean	Sabour Mean	Varanasi Mean	Zone3 Mean
38	IMHBG-17K-10	70.2	75.3	74.6	72.7	71.7	61.3	74.7	55.1	63.8	72.5	74.1	57.7	79.7	71.9	66.7	70.1
39	IMHBG-17K-11	63.4	76.1	78.9	70.9	73.7	58.9	64.7	57.4	60.6	66.6	72.4	59.7	73.1	72.3	69.1	68.8
40	IMHBG-17K-12	72.9	70.1	73.8	73.9	74.5	61.3	76.7	55.7	64.7	67.1	77.2	58.2	75.5	80.0	60.6	69.7
41	IMHBG-17K-13	70.8	66.5	80.9	74.5	74.1	59.1	65.7	58.3	59.8	70.3	71.2	51.7	64.8	72.0	65.1	65.6
42	IMHBG-17K-14	71.3	80.6	70.9	73.4	73.8	59.9	74.6	53.0	63.1	72.9	73.3	55.5	82.1	76.0	69.8	71.6
43	IMHBG-17K-15	78.8	79.8	71.6	74.8	76.5	60.7	79.6	61.7	66.6	72.3	73.4	52.3	75.7	80.9	74.5	71.2
44	IMHBG-17K-16	76.3	76.1	75.4	72.4	74.3	61.2	76.4	40.9	59.4	72.2	77.6	54.7	69.7	71.5	70.9	70.8
45	IMHBG-17K-17	78.4	76.9	76.1	74.5	78.0	59.2	68.7	58.2	62.1	67.8	72.6	55.8	69.9	79.1	62.9	68.0
46	IMHBG-17K-18	64.8	72.1	80.8	71.1	72.2	62.6	77.9	59.3	66.3	71.0	75.5	54.6	71.8	80.3	73.5	72.5
47	IMHBG-17K-19	73.5	70.8	79.1	70.8	73.0	61.4	74.3	57.2	65.2	68.0	70.7	58.6	71.5	75.9	64.6	68.2
48	IMHBG-17K-2	68.5	75.8	75.2	71.3	73.1	60.2	76.2	62.3	66.0	67.2	71.8	58.9	82.1	76.8	69.8	71.2
49	IMHBG-17K-21	68.4	66.3	77.4	72.3	71.0	62.5	74.7	55.5	64.3	70.0	72.8	59.7	80.6	78.3	76.3	72.5
50	IMHBG-17K-22	70.2	79.2	68.5	72.5	72.8	60.1	80.2	60.9	66.9	67.2	71.9	59.3	68.3	71.3	68.2	67.6
51	IMHBG-17K-3	81.2	73.1	83.0	71.7	76.9	59.9	74.2	56.6	63.9	66.4	72.2	61.0	72.6	77.6	74.7	70.7
52	IMHBG-17K-4	73.9	74.1	81.0	71.7	76.3	61.8	68.6	59.1	63.8	72.1	73.0	56.9	68.5	77.2	69.5	69.4
53	IMHBG-17K-5	67.9	74.8	76.0	71.3	72.9	60.0	76.5	58.8	65.3	72.2	73.4	59.1	75.0	65.9	67.9	69.1
54	IMHBG-17K-6	65.3	81.9	81.2	73.4	76.0	60.3	77.6	64.4	67.7	69.4	76.7	52.2	76.9	71.0	68.2	69.0
55	IMHBG-17K-7	66.1	78.8	78.5	76.0	74.0	60.1	69.3	59.9	63.3	67.9	76.4	58.0	78.3	70.8	70.0	69.9
56	IMHBG-17K-8	78.9	77.4	75.1	71.0	75.3	60.7	75.0	57.4	65.0	68.4	74.2	59.8	68.1	76.3	57.6	67.3
57	IMHBG-17K-9	78.8	73.0	78.1	73.5	75.1	59.7	75.3	57.4	63.8	73.8	73.8	55.9	77.1	79.9	75.0	72.2
58	JASL-2033	62.7	73.0	78.8	70.4	71.1	60.3	71.7	62.3	64.4	68.4	74.5	56.0	75.2	74.3	73.2	70.3
59	JH 16029	71.9	74.3	73.6	73.2	73.1	59.4	79.5	56.4	65.4	72.9	73.4	58.9	73.4	78.1	66.4	70.4
60	JH 16045	77.5	77.2	77.9	73.5	76.2	59.8	77.3	58.7	65.9	68.5	70.9	58.9	75.2	69.6	69.8	68.6
61	JH 32055	70.5	76.8	75.0	72.2	72.8	60.9	72.2	59.1	64.7	69.9	74.2	60.8	74.6	75.4	66.8	70.2
62	JKMH 15303	72.8	80.8	79.8	72.6	76.1	58.9	75.7	58.5	64.9	74.3	71.7	59.4	81.5	72.6	73.5	72.1
63	K-27	69.3	78.9	76.4	71.6	74.0	59.4	70.8	61.5	63.4	71.2	75.3	53.7	75.2	73.4	75.4	70.4
64	KH 103	81.6	70.0	80.4	71.3	75.9	61.2	73.8	64.7	65.7	67.6	73.0	53.4	71.9	80.4	71.3	69.3
65	KMH 16-1	74.2	74.5	79.2	73.1	76.7	61.4	75.8	61.5	66.2	68.5	74.3	55.5	75.5	75.2	62.1	68.8
66	KMH 16-2	61.6	77.4	81.1	73.2	74.0	60.5	67.4	56.9	61.9	65.4	68.7	55.8	69.6	74.0	66.3	67.5
67	KMH 16-25	64.7	77.8	76.5	72.7	72.5	58.8	66.9	56.2	60.7	68.5	72.7	57.2	74.0	65.2	65.6	67.4
68	KMH 16-29	77.7	76.2	79.4	73.9	75.1	62.6	68.2	60.2	63.2	67.9	73.3	55.9	73.4	78.0	70.3	69.6
69	KMH 16-40	74.7	76.7	75.5	74.1	75.2	61.0	77.3	56.1	64.7	62.4	76.1	61.9	68.9	78.7	68.5	69.3
70	KMH 16-42	71.7	78.6	76.8	72.4	75.2	60.5	70.1	58.9	63.6	64.2	75.8	58.4	66.4	71.4	65.5	67.0
71	LMH 1017	70.0	75.2	75.7	71.6	73.4	59.3	70.3	55.5	62.4	70.0	78.5	59.0	73.2	65.2	66.6	68.7
72	LMH 817	85.4	77.9	74.5	73.5	77.4	58.7	72.0	62.2	63.3	66.1	75.0	55.5	75.2	78.3	70.5	69.7
73	LMH 917	67.4	71.9	74.0	73.1	71.5	59.0	76.1	59.1	64.6	69.4	71.4	57.4	75.2	77.9	76.5	70.9
74	LMH1117	77.3	81.5	77.1	73.5	77.4	59.5	77.0	49.9	62.1	71.2	73.1	59.4	65.5	75.9	73.3	69.6

TABLE No. 2: (Contd.)		Plant Stand('000/ha)															
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura Mean	Gossaingaon Mean	Kangra Mean	Udhampur Mean	Zone1 Mean	Karnal Mean	Ludhiana Mean	Pantnagar Mean	Zone2 Mean	Baharaich Mean	Bhubaneswar Mean	Dholi Mean	Ranchi Mean	Sabour Mean	Varanasi Mean	Zone3 Mean
75	MMH 16-11	69.8	77.8	76.6	73.4	73.4	60.3	69.9	58.0	62.6	68.1	71.1	58.7	73.3	69.0	73.2	68.5
76	MMH 16-12	65.8	75.8	79.1	75.2	73.3	60.2	75.2	56.2	64.1	64.9	74.5	55.9	78.8	64.9	69.8	68.0
77	NMH-4053	77.9	79.1	80.0	74.5	78.0	60.9	80.7	61.4	67.9	70.6	72.8	61.7	75.5	79.7	69.4	71.5
78	NMH-4139	79.2	79.1	81.0	72.7	77.1	61.7	77.9	55.3	64.6	71.5	71.9	57.9	70.0	80.5	67.6	71.4
79	NMH-51+	68.8	71.6	80.3	71.6	72.4	61.9	75.7	57.4	65.4	68.3	77.2	58.0	72.9	65.1	73.7	69.0
80	OMH16-4	66.8	81.7	77.6	74.3	74.4	60.9	83.0	57.4	67.6	72.3	75.1	55.9	92.7	79.4	69.6	73.9
81	PM17102M	81.5	73.8	75.1	72.2	76.1	60.5	79.2	55.6	65.4	73.2	74.2	52.1	71.7	73.1	69.7	69.0
82	PM17103M	74.6	77.9	80.1	73.7	77.4	60.0	76.7	60.3	65.2	72.1	76.6	54.6	82.5	85.5	70.4	73.1
83	RCRMH 4-1	79.9	77.2	72.5	70.9	74.0	60.2	77.7	55.6	64.6	68.1	76.1	56.9	79.9	74.7	73.1	71.5
84	RCRMH3(CAH156)	67.3	79.9	83.1	72.3	76.3	59.7	84.7	59.3	67.2	68.5	74.2	58.1	80.7	74.9	70.1	72.4
85	REH 2013-15	64.4	77.8	73.9	70.6	70.5	59.7	82.6	42.1	60.8	64.3	70.1	55.5	76.8	64.8	71.7	67.1
86	REH 2013-21	74.3	78.7	70.6	72.8	73.0	58.2	73.5	55.6	62.3	65.1	73.8	57.3	64.9	68.3	66.7	65.8
87	STAR-X-14	79.7	77.3	76.3	72.4	76.2	61.0	75.3	59.1	65.1	70.4	72.1	56.0	79.2	73.0	68.3	69.9
88	STAR-X-16	71.2	79.9	74.2	73.4	74.3	60.8	76.1	59.1	64.5	70.5	75.8	55.1	67.7	64.2	53.6	64.6
89	STAR-X-18	82.8	74.6	77.2	72.2	76.8	60.7	76.5	59.0	64.4	73.6	71.1	54.6	85.5	72.8	67.7	70.7
90	STAR-X-20	73.9	74.3	74.2	72.6	73.0	59.2	76.2	56.3	63.4	71.6	76.7	57.3	77.6	71.1	67.9	70.3
91	SYN716725	73.2	75.5	69.4	72.9	72.9	60.3	75.4	56.8	64.1	71.7	72.7	54.2	69.8	80.0	65.2	68.9
92	UDMH-131	68.3	70.4	79.5	71.3	73.2	59.9	74.3	57.7	63.6	65.2	75.0	57.8	71.4	72.0	77.9	69.4
93	UDMH-132	87.8	79.2	77.2	72.6	79.0	60.0	78.5	62.9	66.6	70.6	75.5	55.0	82.5	72.7	71.3	71.2
94	VaMH 15005	77.5	72.0	78.0	70.0	75.0	60.8	81.5	58.2	67.3	68.4	73.3	53.3	77.3	72.2	76.3	70.1
95	VaMH 15036	73.4	77.2	68.5	70.5	71.4	61.5	75.2	58.3	64.9	71.3	73.6	57.5	75.2	72.4	69.3	69.7
96	WH-1010	75.8	77.4	81.1	75.0	76.6	60.0	81.4	58.2	66.0	66.9	74.7	53.8	74.4	75.5	62.4	69.4
97	WH-1094	74.7	76.9	76.1	73.3	74.8	59.7	79.1	57.9	65.0	73.6	75.6	61.1	71.6	76.4	69.1	71.2
98	CMH 08-292 (C)	75.8	75.1	72.4	70.9	73.7	60.7	73.2	56.7	63.8	69.3	74.2	57.5	74.9	80.0	65.7	70.2
99	BIO 9544 (C)	73.8	76.9	81.3	72.3	75.9	59.1	79.2	60.1	66.2	75.6	72.9	57.1	70.5	69.9	68.7	69.0
100	DHM 121 (C)	64.3	70.5	78.4	73.3	73.3	60.5	69.5	60.6	63.5	68.1	72.4	51.9	61.1	63.4	68.4	63.8
	Location Mean	71.9	75.5	76.8	72.8	74.5	60.5	74.9	58.0	64.5	69.8	73.8	56.8	73.6	73.6	68.7	69.4
	CV (%)	9.0	7.2	7.7	2.4	6.8	2.6	9.7	9.9	8.4	6.6	4.3	7.0	10.7	10.8	8.4	8.5
	F (Prob)	0.01	0.16	0.44	0.03	0.00	0.70	0.08	0.05	0.00	0.48	0.51	0.38	0.00	0.00	0.00	0.00
	CD (5%)	10.6	8.7	9.6	2.8	4.3	2.6	11.7	9.3	5.1	7.4	5.1	6.4	12.7	12.8	9.4	4.2
	CD (1%)	14.0	11.5	12.6	3.7	5.7	3.4	15.4	12.2	6.8	9.8	6.7	8.4	16.8	16.8	12.4	5.5

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TABLE No. 2: (Contd.)		Plant Stand('000/ha)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	16402-008-01-01-03-5-2	45.0	35.3	45.6	67.6	68.8	49.2	54.8	52.7	41.2	63.7	58.3	35.1	49.6	.
2	ADV 140187	64.9	61.9	65.8	69.7	71.4	61.8	80.7	67.7	65.2	66.7	68.0	50.3	62.2	69.6
3	ADV 140235	62.9	65.9	69.8	69.5	72.9	55.7	79.8	68.2	66.8	66.4	65.9	60.9	64.0	69.5
4	AH 6007	62.5	28.6	36.8	73.6	68.0	50.9	61.4	54.1	61.0	49.2	60.1	36.3	52.5	57.9
5	AH 6008	62.2	48.1	59.3	72.8	74.7	61.1	65.8	63.1	62.9	64.7	65.5	45.7	59.4	63.6
6	AH 6009	62.6	32.0	34.1	68.8	75.1	52.4	57.5	54.8	60.3	34.1	59.5	34.9	47.6	57.1
7	AH 6017	62.8	37.9	41.5	74.4	75.5	57.2	62.2	59.4	64.9	59.6	62.4	42.6	57.7	63.1
8	AH-1606	65.3	66.2	49.1	75.4	75.4	65.2	68.9	67.0	69.4	66.0	62.4	49.2	61.2	67.2
9	AH-7067R	63.5	58.9	66.2	79.8	76.9	61.2	70.0	67.7	59.9	63.9	64.5	55.6	61.1	68.7
10	AMH-14258	64.4	55.1	68.5	79.5	73.9	64.5	64.7	67.4	62.3	64.9	71.7	57.3	63.8	68.0
11	BH 415012	61.0	39.0	57.0	68.6	71.4	63.9	65.7	60.8	65.0	60.9	62.9	48.8	59.4	65.1
12	BH 415100	63.8	56.1	66.0	68.0	71.9	63.5	77.0	66.8	64.0	68.4	64.7	73.5	67.1	68.6
13	BH 415158	61.1	54.0	65.7	71.9	73.2	58.1	77.5	65.7	67.6	65.4	66.7	68.4	67.0	69.4
14	BLH 117	63.0	52.5	59.4	83.2	75.6	52.9	73.3	66.1	65.3	61.7	62.9	52.7	61.2	66.3
15	BLH 118	60.7	55.6	60.9	71.8	72.1	63.2	76.7	66.2	67.0	65.4	74.0	56.3	66.2	68.9
16	BLH 119	63.0	57.9	61.4	80.5	78.7	58.4	77.8	67.9	63.8	68.4	64.5	22.2	55.0	66.9
17	BLH 120	60.8	42.4	61.1	69.7	73.8	59.4	64.1	62.0	61.9	58.1	61.9	38.1	54.2	63.7
18	BLH 121	61.5	55.2	62.7	77.6	74.2	59.7	79.0	67.0	64.8	64.0	64.5	28.8	55.6	67.7
19	BLH 122	62.1	61.3	68.1	76.8	70.7	56.3	73.0	66.8	61.1	66.0	54.0	39.3	55.5	66.5
20	BRMH-10 (CAH-1566)	61.2	67.7	63.1	77.0	77.0	62.2	75.0	68.6	65.8	58.3	74.0	54.4	62.8	69.6
21	CCH 1818	62.7	61.0	63.6	76.4	74.9	64.5	71.9	67.7	57.1	66.9	66.4	63.3	64.1	69.0
22	DAS-MH-311	62.9	53.5	60.3	67.0	77.4	61.6	73.3	65.2	63.0	60.4	60.3	49.6	58.2	65.6
23	DH-314	62.6	62.6	56.8	74.8	73.5	56.4	67.9	65.2	63.2	64.3	67.7	48.8	61.3	66.8
24	DKC7181 (IR8003)	62.0	60.0	65.2	75.6	79.0	61.2	71.7	67.4	63.9	64.7	71.3	56.5	64.8	68.8
25	DKC8181 (IR8004)	60.5	56.1	62.8	75.9	75.3	61.2	75.6	66.6	62.4	68.8	59.9	48.8	60.5	68.8
26	EH 2870	62.0	42.6	51.7	69.0	73.5	53.6	54.3	57.8	61.5	62.6	60.4	58.2	60.5	63.4
27	EH 2898	62.8	34.4	53.1	73.9	70.4	54.9	62.1	59.0	65.8	64.3	54.9	56.5	60.4	65.1
28	GH 160295	61.3	46.8	61.0	77.7	74.9	60.4	74.8	64.7	64.5	61.4	73.4	55.4	63.3	68.2
29	GIN-03	65.2	56.0	57.3	74.6	74.9	56.0	73.3	65.4	62.4	67.6	61.5	57.4	61.9	66.6
30	GK 3213	63.1	66.8	61.8	78.7	72.0	63.0	65.9	67.8	66.1	65.7	69.7	59.8	65.5	69.6
31	GK 3215	63.2	58.4	70.1	70.8	75.2	64.3	78.0	68.8	64.9	68.5	57.9	39.9	57.4	68.3
32	HKH 361	62.8	53.2	63.7	78.1	72.3	61.9	81.1	67.1	66.9	63.2	65.1	55.4	62.9	69.0
33	HKH 362	63.7	59.4	69.2	75.7	70.3	60.6	76.8	68.3	64.5	67.1	70.1	57.5	64.7	70.2
34	HKH 363	61.8	32.9	53.7	79.9	76.1	54.7	73.5	62.0	58.3	63.0	68.2	52.7	60.0	66.0
35	HKH 364	61.4	48.7	59.4	73.7	73.8	58.5	72.7	64.5	59.8	57.6	64.6	53.8	59.6	65.7
36	IIMRNH 1702	63.3	51.2	67.4	77.6	73.6	57.2	75.1	66.0	67.9	65.6	70.0	45.1	61.9	66.5
37	IMHBG-17K-1	59.4	54.7	53.4	73.2	72.2	58.9	66.1	62.8	58.3	63.1	62.4	55.3	59.5	65.5

TABLE No. 2: (Contd.)		Plant Stand('000/ha)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
38	IMHBG-17K-10	61.2	54.7	64.2	66.3	74.9	58.1	72.7	64.5	69.2	66.0	70.6	51.8	64.4	67.1
39	IMHBG-17K-11	61.4	55.1	59.5	75.1	69.5	59.3	79.5	65.6	62.9	69.0	61.7	62.5	63.4	66.6
40	IMHBG-17K-12	64.0	51.0	71.9	77.7	74.1	56.5	67.9	65.8	67.1	67.0	56.6	53.3	60.9	67.1
41	IMHBG-17K-13	63.0	61.9	66.2	73.4	73.3	61.6	73.7	67.0	64.8	56.1	69.0	66.3	64.1	66.4
42	IMHBG-17K-14	63.1	58.2	62.0	75.4	77.9	57.7	72.9	66.7	64.0	65.4	59.6	64.5	62.7	68.0
43	IMHBG-17K-15	62.4	45.9	62.5	75.4	68.7	54.9	72.7	63.6	62.7	66.8	65.2	74.9	67.6	68.7
44	IMHBG-17K-16	62.5	53.2	68.3	77.1	71.7	58.3	77.0	67.2	66.6	66.8	64.7	55.1	63.0	67.8
45	IMHBG-17K-17	61.5	45.2	60.0	79.1	75.3	62.4	77.4	65.7	70.8	67.0	72.3	57.3	65.8	67.8
46	IMHBG-17K-18	62.0	56.8	70.1	77.4	73.8	54.0	72.2	66.4	65.8	62.6	59.9	68.6	64.8	68.7
47	IMHBG-17K-19	62.7	43.0	57.0	71.3	74.3	56.8	60.7	61.0	64.9	65.2	63.5	56.3	61.5	65.4
48	IMHBG-17K-2	63.5	63.8	64.0	72.6	74.9	63.3	74.1	68.0	63.0	67.4	63.6	49.6	60.4	68.1
49	IMHBG-17K-21	62.6	53.1	69.9	79.7	77.6	63.9	72.8	68.8	61.8	66.3	70.3	59.9	64.7	68.8
50	IMHBG-17K-22	64.5	58.0	66.1	73.9	72.9	57.5	60.6	64.2	64.5	68.2	71.0	55.4	65.5	67.0
51	IMHBG-17K-3	64.5	54.9	70.0	74.6	77.2	62.9	58.6	65.6	67.3	67.0	67.3	52.4	63.7	68.2
52	IMHBG-17K-4	62.3	61.1	60.0	72.0	71.0	60.1	70.6	65.9	60.7	65.8	72.9	56.7	64.5	67.9
53	IMHBG-17K-5	61.7	49.0	67.5	77.4	73.9	68.6	61.6	65.8	63.2	65.8	70.0	55.4	63.2	67.3
54	IMHBG-17K-6	63.0	55.6	70.9	74.1	72.3	62.4	66.6	66.7	63.0	65.1	69.9	63.5	65.7	68.7
55	IMHBG-17K-7	62.0	58.4	61.1	80.9	71.9	58.8	69.4	66.2	63.7	68.4	61.0	53.2	62.2	67.4
56	IMHBG-17K-8	61.9	58.0	57.8	67.2	70.3	57.7	77.7	64.0	62.9	67.4	69.0	56.8	63.5	66.7
57	IMHBG-17K-9	63.8	58.3	59.5	76.0	69.8	62.6	78.4	67.6	61.5	67.5	72.5	54.0	64.2	69.1
58	JASL-2033	62.2	62.0	68.9	76.4	74.5	58.5	72.6	68.1	63.9	66.7	67.7	47.6	62.1	67.7
59	JH 16029	61.6	43.0	63.5	76.7	71.1	60.1	69.2	63.4	66.1	67.6	68.2	64.4	66.9	67.6
60	JH 16045	63.4	57.4	65.1	74.3	71.8	54.9	76.9	66.0	65.8	65.2	71.5	61.3	66.6	68.4
61	JH 32055	61.6	57.0	62.5	76.6	75.3	57.0	69.9	65.8	61.8	69.6	60.4	60.6	63.2	67.5
62	JKMH 15303	62.8	56.2	66.9	76.4	69.6	55.5	77.7	66.9	64.5	67.1	62.6	60.0	63.5	68.9
63	K-27	63.4	64.4	65.8	78.4	74.6	64.7	75.2	69.5	64.7	66.1	66.9	51.9	62.7	68.6
64	KH 103	61.9	58.3	61.1	68.0	72.5	55.6	70.7	64.3	64.2	62.4	61.2	55.3	61.5	67.2
65	KMH 16-1	61.1	59.4	59.9	77.4	79.5	64.9	71.1	67.6	63.4	67.2	66.9	59.1	63.4	68.5
66	KMH 16-2	62.6	39.7	49.7	71.3	72.4	51.5	64.5	58.4	57.7	56.5	62.7	37.7	53.7	62.9
67	KMH 16-25	62.1	48.6	59.8	77.0	74.0	57.7	66.5	64.1	61.2	64.1	61.9	52.8	59.1	65.1
68	KMH 16-29	63.7	61.6	63.8	81.9	73.6	66.6	68.4	68.7	55.5	66.9	70.9	53.3	62.8	68.4
69	KMH 16-40	63.0	50.1	71.8	77.1	75.1	63.2	68.4	66.4	57.4	65.0	69.3	59.4	63.1	67.8
70	KMH 16-42	63.8	47.9	64.3	67.8	74.3	61.2	52.0	61.7	62.3	53.4	67.7	48.6	58.9	65.0
71	LMH 1017	63.4	46.8	61.5	71.1	69.1	61.8	68.8	63.4	64.2	57.3	71.4	55.0	62.6	66.0
72	LMH 817	63.3	51.0	67.6	75.6	74.8	64.4	77.4	67.5	63.7	67.8	77.0	59.4	67.6	69.2
73	LMH 917	62.3	59.9	45.5	76.0	77.8	62.1	72.3	65.2	64.5	64.8	60.9	52.9	61.0	66.9
74	LMH1117	62.8	54.1	65.1	66.7	71.6	53.2	77.4	64.8	62.4	65.1	66.3	64.9	64.8	67.8

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TABLE No. 2: (Contd.)		Plant Stand('000/ha)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
75	MMH 16-11	62.7	44.7	61.8	72.5	78.9	59.6	73.7	64.7	64.1	63.1	73.3	55.8	63.9	66.8
76	MMH 16-12	61.1	47.7	66.5	73.8	69.4	58.1	67.7	63.4	63.3	63.8	66.0	48.7	60.7	65.9
77	NMH-4053	62.8	54.6	62.3	72.4	73.4	64.2	81.0	67.5	67.1	67.4	73.2	54.0	64.8	69.8
78	NMH-4139	60.9	71.1	69.2	75.4	75.9	63.4	77.0	70.1	67.8	67.5	65.3	44.4	61.1	69.6
79	NMH-51+	62.6	57.8	67.7	72.0	75.5	57.3	54.5	63.8	61.0	64.6	66.7	48.8	60.4	66.2
80	OMH16-4	64.0	68.9	72.3	77.0	76.8	66.1	72.7	70.9	60.1	68.1	68.9	62.2	64.6	70.8
81	PM17102M	60.1	62.4	64.7	78.2	72.7	62.3	76.1	67.8	66.1	67.3	75.1	67.6	68.4	69.3
82	PM17103M	63.3	54.6	60.6	72.9	78.5	63.9	72.7	66.3	63.1	67.6	67.6	58.2	64.6	69.3
83	RCRMH 4-1	62.1	47.8	61.6	72.7	71.6	55.6	75.1	64.4	57.7	65.0	72.5	52.5	61.5	67.5
84	RCRMH3(CAH156)	62.2	53.4	67.3	82.2	74.2	64.1	80.9	68.8	57.9	69.1	67.9	63.3	64.3	70.0
85	REH 2013-15	62.5	47.0	63.5	74.1	74.3	61.4	68.9	65.2	59.4	67.0	62.2	49.4	59.3	65.2
86	REH 2013-21	61.3	56.8	51.7	70.6	70.8	57.7	64.8	62.3	67.5	66.1	63.0	50.8	61.8	64.9
87	STAR-X-14	63.2	47.2	63.8	75.7	77.3	56.0	73.5	65.3	67.2	65.6	64.6	39.8	60.1	67.4
88	STAR-X-16	61.0	48.0	51.6	66.8	76.3	55.1	73.8	61.9	60.7	61.4	61.9	53.2	58.9	64.5
89	STAR-X-18	62.7	51.3	63.4	79.7	71.2	61.1	83.6	66.9	63.2	67.6	67.5	31.8	57.4	67.6
90	STAR-X-20	62.6	50.5	57.1	77.1	73.6	64.2	70.8	65.3	66.3	66.9	64.1	58.8	63.2	67.4
91	SYN716725	62.6	56.3	58.9	76.1	73.2	61.7	67.0	64.8	63.2	64.7	63.6	59.2	62.5	66.7
92	UDMH-131	61.0	49.3	60.3	72.2	74.4	62.1	60.2	62.6	58.2	63.8	66.0	64.0	62.9	66.2
93	UDMH-132	64.5	56.1	58.3	72.9	73.8	59.6	67.3	64.8	57.8	63.0	67.8	68.6	64.6	69.0
94	VaMH 15005	60.8	53.5	68.6	67.4	70.1	57.8	69.2	64.2	63.8	65.9	64.6	66.2	64.3	67.8
95	VaMH 15036	61.8	57.7	65.4	72.8	73.2	59.0	72.2	65.7	65.9	68.3	70.5	60.7	66.0	67.7
96	WH-1010	63.0	58.0	58.3	79.4	73.8	58.1	70.1	65.4	65.5	66.8	68.6	58.7	64.3	68.3
97	WH-1094	61.7	58.0	54.7	74.1	74.3	58.6	72.6	64.7	64.3	64.5	67.6	69.4	66.0	68.3
98	CMH 08-292 (C)	64.1	50.1	66.6	70.2	73.2	65.0	78.2	67.1	65.6	67.4	58.9	62.9	63.7	68.0
99	BIO 9544 (C)	61.9	57.0	65.4	80.3	71.8	61.4	80.3	68.7	59.8	62.7	63.6	58.7	61.4	68.5
100	DHM 121 (C)	62.8	33.4	46.0	66.2	73.0	52.4	48.6	54.9	38.8	65.1	51.9	49.4	51.1	60.5
	Location Mean	62.3	53.4	61.5	74.4	73.7	59.6	70.9	65.1	63.0	64.5	65.8	54.2	61.9	67.0
	CV (%)	3.1	15.4	11.5	7.8	5.8	7.9	13.4	9.8	10.5	7.2	8.7	16.4	10.7	9.0
	F (Prob)	0.00	0.00	0.00	0.15	0.71	0.00	0.01	0.00	0.13	0.00	0.00	0.00	0.00	0.00
	CD (5%)	3.1	13.3	11.4	9.3	6.9	7.6	15.3	4.1	10.6	7.5	9.2	14.3	5.5	2.1
	CD (1%)	4.1	17.5	15.1	12.3	9.1	10.0	20.2	5.3	14.0	9.9	12.2	18.9	7.3	2.8

TABLE No. 2: (Contd.)		Shelling(%)																
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)							
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	16402-008-01-01-03-5-2	80.1	74.1	75.6	84.1	78.5	81.3	82.3	.	.	52.0	78.0	78.5	.	80.0	68.7	.	
2	ADV 140187	79.9	76.8	78.3	84.3	79.9	82.2	84.8	85.3	83.8	73.3	78.2	76.7	84.0	74.2	78.8	78.6	
3	ADV 140235	81.0	74.2	76.1	85.2	79.1	82.9	82.8	85.5	83.5	74.9	79.5	72.9	85.3	76.9	75.3	77.7	
4	AH 6007	75.4	74.6	77.2	85.4	78.4	82.6	81.1	82.5	81.9	72.8	79.5	80.6	83.8	75.7	73.7	78.8	
5	AH 6008	80.4	77.1	76.9	83.1	79.4	82.2	84.5	84.0	83.6	73.7	79.9	77.1	80.9	78.6	77.3	79.0	
6	AH 6009	81.9	72.3	76.6	83.9	78.8	83.4	81.5	82.8	82.3	89.8	79.4	71.3	87.6	81.2	75.4	78.7	
7	AH 6017	77.0	75.2	74.4	84.5	77.8	82.3	79.2	82.3	81.4	54.5	79.7	71.9	80.1	77.1	71.8	76.2	
8	AH-1606	84.2	73.9	79.3	84.3	80.3	82.6	83.8	83.9	83.6	75.8	78.8	81.6	83.2	79.0	77.3	79.8	
9	AH-7067R	84.3	72.9	79.0	83.7	79.9	82.2	86.1	83.3	84.0	73.8	78.8	74.9	85.0	80.5	78.2	79.4	
10	AMH-14258	78.5	74.0	75.4	83.7	77.9	82.3	79.4	83.8	81.9	74.8	78.5	77.6	80.4	78.4	72.9	77.4	
11	BH 415012	80.0	76.2	77.9	82.8	79.0	80.6	81.2	75.6	79.4	73.4	78.9	74.3	84.3	81.4	73.3	78.5	
12	BH 415100	79.7	72.6	75.1	83.8	77.8	82.7	77.2	82.7	80.9	73.7	79.9	79.1	84.4	81.2	74.8	80.0	
13	BH 415158	81.4	77.4	78.1	83.6	80.1	81.9	84.1	82.8	82.7	78.3	79.8	72.6	85.5	78.0	77.5	78.2	
14	BLH 117	81.8	72.6	76.4	82.2	78.5	81.4	82.2	87.5	83.9	93.7	79.4	78.9	81.7	78.6	73.4	78.9	
15	BLH 118	79.3	75.4	76.8	83.2	78.6	81.1	80.2	84.8	82.0	60.1	78.7	74.6	78.8	75.4	73.5	76.1	
16	BLH 119	80.9	70.4	77.4	85.4	78.4	80.8	84.5	88.5	84.4	75.7	79.5	76.9	81.6	82.5	75.7	79.6	
17	BLH 120	81.3	71.3	77.4	83.5	78.3	81.7	84.5	85.9	83.7	72.9	80.2	78.2	85.8	78.0	77.9	79.4	
18	BLH 121	76.1	73.7	77.2	83.4	77.6	82.9	82.4	83.9	82.9	76.7	80.9	76.1	85.8	80.6	73.8	80.0	
19	BLH 122	75.5	76.0	81.4	83.4	79.1	81.6	85.2	85.6	84.1	76.0	79.9	73.2	84.6	77.7	79.8	78.7	
20	BRMH-10 (CAH-1566)	78.0	72.0	78.3	82.5	77.7	81.9	80.9	83.2	82.0	73.1	78.6	78.2	83.6	80.7	74.9	79.4	
21	CCH 1818	82.3	72.2	75.3	82.9	78.0	82.6	80.6	83.2	82.4	77.4	79.8	77.3	84.8	76.6	75.0	78.1	
22	DAS-MH-311	83.0	74.3	80.5	84.9	80.7	83.1	85.9	89.1	85.6	76.8	78.3	80.6	86.1	80.3	81.9	80.9	
23	DH-314	79.4	73.5	77.5	83.7	78.6	82.1	80.3	81.1	81.5	89.9	78.3	69.5	85.4	79.5	74.5	77.2	
24	DKC7181 (IR8003)	80.9	71.5	77.6	83.0	78.2	82.3	83.7	87.5	84.1	76.3	79.6	79.6	82.9	75.7	74.6	78.8	
25	DKC8181 (IR8004)	78.2	77.0	79.5	82.6	79.6	81.9	86.7	87.3	85.5	77.8	78.3	74.1	86.6	79.9	80.0	79.8	
26	EH 2870	80.1	71.7	76.7	83.8	77.9	83.6	81.7	83.0	82.8	71.1	78.7	75.6	84.3	76.9	75.7	78.5	
27	EH 2898	79.5	74.5	78.4	84.1	79.1	82.3	81.7	81.8	81.6	75.7	79.8	80.6	85.3	75.1	74.7	79.2	
28	GH 160295	78.1	73.7	76.1	83.8	77.8	82.4	80.0	82.9	81.3	75.0	79.1	69.3	83.9	74.3	72.9	75.6	
29	GIN-03	79.3	72.9	75.6	84.3	77.9	81.4	84.8	86.1	84.0	74.2	78.8	76.7	82.1	77.2	73.3	77.9	
30	GK 3213	82.0	73.1	79.8	82.6	79.4	82.9	84.4	85.1	84.2	74.1	78.8	78.0	83.2	82.9	79.7	80.3	
31	GK 3215	78.9	74.7	80.9	84.9	79.7	82.5	83.8	77.8	81.7	80.0	79.3	81.2	81.0	84.2	80.3	80.9	
32	HKH 361	79.8	72.0	76.5	83.4	77.8	81.7	82.1	82.6	82.0	73.2	79.8	78.5	85.5	78.9	77.4	80.4	
33	HKH 362	78.8	74.3	73.6	82.7	77.3	80.9	77.9	77.8	79.0	74.4	78.7	73.6	80.9	76.8	72.5	76.0	
34	HKH 363	79.0	75.4	74.4	84.4	78.3	81.4	79.2	82.3	80.9	74.6	77.9	78.0	77.0	76.9	73.5	76.9	
35	HKH 364	78.3	71.6	77.8	83.2	77.8	81.1	79.2	81.4	80.8	91.4	79.9	80.9	81.3	78.9	76.8	79.5	
36	IIMRNH 1702	79.5	77.9	78.7	83.2	79.8	81.8	84.3	81.8	82.6	76.0	79.9	75.0	81.5	73.0	76.1	77.4	
37	IMHBG-17K-1	79.2	73.3	74.6	84.3	77.7	81.5	82.8	81.7	82.1	72.9	79.2	81.6	84.1	75.6	72.1	78.6	

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TABLE No. 2: (Contd.)		Shelling(%)															
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
38	IMHBG-17K-10	76.8	71.1	72.7	83.6	76.1	82.8	77.1	78.5	79.6	57.5	79.9	73.1	74.3	79.3	70.6	75.3
39	IMHBG-17K-11	84.7	70.7	77.6	84.8	79.4	82.1	78.6	83.7	81.4	72.1	78.7	74.4	79.0	80.1	75.5	77.9
40	IMHBG-17K-12	79.4	74.1	76.5	82.5	78.0	81.0	85.4	82.8	83.2	74.2	78.8	74.6	83.7	79.6	75.5	78.8
41	IMHBG-17K-13	76.5	69.4	75.5	84.0	76.6	81.7	83.6	83.9	83.0	75.3	79.2	74.9	81.7	78.3	71.1	77.1
42	IMHBG-17K-14	76.6	76.1	76.8	82.7	78.1	82.0	78.8	80.5	80.0	75.0	80.1	74.0	81.3	80.6	71.3	77.1
43	IMHBG-17K-15	80.0	74.6	75.3	82.9	78.5	81.8	79.8	79.9	80.5	75.2	79.5	75.0	75.9	79.4	73.4	76.8
44	IMHBG-17K-16	77.9	75.6	74.7	82.3	77.6	82.2	79.5	85.6	82.3	73.4	77.9	77.9	83.9	81.0	72.5	78.9
45	IMHBG-17K-17	77.5	74.4	75.8	84.2	77.9	83.7	79.6	82.0	81.7	74.9	79.7	75.1	80.1	79.8	73.4	77.8
46	IMHBG-17K-18	78.7	77.2	74.0	84.7	78.8	83.0	77.8	81.9	80.7	92.0	79.0	76.9	79.1	76.0	71.1	76.5
47	IMHBG-17K-19	75.7	73.4	75.5	83.8	76.9	82.5	76.1	79.3	79.5	73.7	78.8	74.1	83.7	79.4	71.0	77.4
48	IMHBG-17K-2	79.7	74.8	76.3	84.4	78.7	82.6	85.2	85.1	84.1	71.8	79.3	80.5	81.0	81.4	81.2	81.1
49	IMHBG-17K-21	78.2	75.2	76.9	82.2	78.1	81.2	78.8	79.4	79.8	56.7	79.2	73.5	83.7	80.3	70.6	77.3
50	IMHBG-17K-22	74.2	72.5	73.6	82.9	75.7	81.1	78.5	81.5	80.5	75.7	78.7	73.4	81.8	78.3	71.1	76.3
51	IMHBG-17K-3	76.6	73.8	75.5	84.9	77.6	79.7	79.4	85.9	81.3	74.2	79.2	77.3	80.1	72.1	73.4	76.0
52	IMHBG-17K-4	78.8	71.5	76.3	82.2	77.4	81.4	80.8	84.9	82.5	74.8	79.4	74.0	82.3	76.6	73.3	77.0
53	IMHBG-17K-5	73.3	72.1	75.3	83.0	75.9	80.4	77.9	81.1	79.9	73.9	78.6	78.4	81.3	76.3	69.5	76.5
54	IMHBG-17K-6	83.8	73.7	74.9	82.5	78.8	82.1	79.3	76.6	79.6	90.6	78.8	71.0	79.7	77.0	71.1	75.9
55	IMHBG-17K-7	79.0	75.7	75.2	84.1	78.3	81.8	81.1	80.6	81.4	77.5	79.4	78.8	79.3	75.3	75.7	77.4
56	IMHBG-17K-8	74.9	74.6	75.8	84.6	77.3	82.2	80.6	82.4	81.9	77.2	80.4	73.9	83.6	79.5	71.3	77.9
57	IMHBG-17K-9	78.8	75.2	76.0	84.0	78.5	80.5	84.0	84.3	82.8	59.5	79.5	77.4	84.1	76.4	77.3	78.8
58	JASL-2033	77.9	74.7	74.5	83.2	77.7	81.5	82.8	87.2	83.8	75.3	78.2	77.7	82.3	82.3	72.6	78.6
59	JH 16029	81.9	74.0	78.5	83.5	79.6	82.8	84.6	85.3	84.3	76.8	78.8	74.3	86.5	77.1	71.6	77.3
60	JH 16045	81.0	73.5	78.9	84.0	79.3	81.4	82.4	85.1	83.4	78.0	79.5	73.8	86.4	74.2	80.1	78.5
61	JH 32055	80.0	71.9	77.4	84.1	78.3	80.7	82.2	79.9	81.2	74.9	79.2	72.9	83.9	75.3	75.0	77.2
62	JKMH 15303	78.1	76.7	79.4	82.4	79.4	83.0	84.5	85.2	84.2	76.6	79.8	78.5	82.8	84.1	80.0	81.0
63	K-27	80.2	70.8	75.5	83.5	77.9	81.1	80.0	81.8	81.1	75.6	78.6	74.1	85.2	74.5	71.4	77.0
64	KH 103	81.9	72.9	79.2	83.3	79.3	80.3	84.5	84.8	83.3	77.7	79.7	74.8	86.8	75.5	79.7	79.9
65	KMH 16-1	80.0	75.6	79.3	84.5	79.9	81.4	84.6	82.0	82.6	75.9	79.9	74.1	84.0	79.5	78.0	79.1
66	KMH 16-2	80.0	72.9	78.0	80.7	77.9	82.6	82.0	86.8	83.8	71.0	78.8	82.2	81.7	78.8	80.3	80.3
67	KMH 16-25	88.2	72.5	81.4	83.1	81.3	80.5	84.6	81.2	82.2	70.4	79.6	73.0	86.3	78.0	80.8	79.6
68	KMH 16-29	83.7	73.7	80.4	84.3	80.5	80.5	84.6	84.2	82.8	55.9	79.2	76.3	76.6	78.8	80.9	78.5
69	KMH 16-40	87.2	73.8	79.8	83.8	81.0	81.4	87.6	86.1	84.9	70.2	79.1	80.2	80.8	80.2	84.9	81.3
70	KMH 16-42	79.3	76.6	81.4	83.5	80.5	79.8	79.2	83.4	80.9	91.2	79.6	73.6	84.1	75.3	78.1	78.0
71	LMH 1017	80.9	73.2	75.9	82.0	78.3	82.4	79.1	83.9	82.1	92.7	78.4	78.2	80.0	80.1	71.0	77.3
72	LMH 817	84.0	76.9	78.5	83.5	80.9	81.2	84.3	78.4	81.4	77.3	79.0	77.2	85.5	78.1	74.9	79.0
73	LMH 917	82.4	76.7	75.8	83.4	79.3	80.8	80.0	83.6	81.6	74.1	79.0	78.7	82.8	81.2	71.6	78.8
74	LMH1117	80.6	72.9	78.1	84.3	78.9	81.6	81.8	83.0	81.9	75.2	79.4	74.0	83.9	79.0	73.7	77.8

TABLE No. 2: (Contd.)		Shelling(%)															
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
75	MMH 16-11	80.4	73.2	75.6	82.2	78.1	81.2	81.4	81.7	81.7	72.8	79.5	79.9	83.8	80.6	76.6	80.0
76	MMH 16-12	80.2	73.3	79.9	82.4	78.9	81.0	83.7	82.5	82.7	73.0	79.4	72.7	83.2	77.0	76.4	77.4
77	NMH-4053	77.7	73.3	78.3	84.7	78.4	82.3	85.6	85.1	84.5	76.4	79.6	77.8	85.9	81.2	76.8	80.4
78	NMH-4139	78.5	73.6	76.7	84.6	78.2	82.4	82.7	82.7	82.2	76.1	80.3	78.0	84.9	79.2	77.0	80.0
79	NMH-51+	84.5	69.9	74.3	83.2	78.1	81.6	82.9	82.8	82.7	72.2	78.7	73.2	87.1	78.7	75.5	78.1
80	OMH16-4	80.1	75.6	77.9	83.7	79.3	82.5	79.5	76.0	79.6	76.0	78.8	81.0	85.7	79.8	77.2	80.0
81	PM17102M	79.2	75.5	77.5	83.9	78.8	81.0	79.8	81.7	81.0	77.0	78.2	75.2	85.4	77.6	77.2	78.2
82	PM17103M	79.3	74.2	79.4	82.6	79.0	82.7	84.3	83.8	83.5	75.2	79.0	78.9	84.2	76.0	81.7	80.2
83	RCRMH 4-1	81.3	76.0	79.7	84.2	80.5	82.2	85.6	77.2	81.7	422.7	79.4	77.8	83.3	80.3	75.4	79.2
84	RCRMH3(CAH156)	80.8	75.9	79.1	82.1	79.3	82.2	81.7	82.1	81.7	75.7	78.7	75.6	80.5	73.5	73.6	76.5
85	REH 2013-15	81.2	74.3	74.6	84.7	78.8	82.5	81.7	82.3	82.0	57.7	78.9	77.6	79.2	80.9	72.6	78.0
86	REH 2013-21	81.0	74.1	77.0	84.0	79.1	80.8	80.8	80.6	80.7	75.0	78.9	76.4	79.9	77.9	73.0	77.6
87	STAR-X-14	76.5	71.6	76.0	83.1	76.7	82.3	83.3	86.2	84.0	78.4	80.7	78.2	85.2	81.2	76.1	80.4
88	STAR-X-16	83.4	73.0	77.6	81.9	78.9	84.1	83.3	83.4	83.5	56.0	78.7	71.4	83.6	81.2	75.0	78.1
89	STAR-X-18	75.9	74.1	74.9	85.4	77.8	81.8	81.9	82.8	82.2	76.0	79.5	78.4	80.1	75.7	76.8	78.2
90	STAR-X-20	80.0	79.2	77.7	83.3	80.1	82.7	83.1	84.2	83.1	74.8	77.8	77.8	85.3	80.8	72.8	79.2
91	SYN716725	78.8	73.3	77.0	84.1	78.1	81.7	81.7	85.4	83.2	75.3	79.4	78.0	84.0	81.2	73.9	79.2
92	UDMH-131	82.6	75.1	76.0	83.4	79.5	79.5	82.7	78.8	80.5	69.8	78.4	80.8	81.5	78.1	81.1	80.0
93	UDMH-132	81.5	75.4	80.2	83.4	80.3	79.9	81.7	81.4	80.9	89.4	79.3	75.2	78.3	76.2	77.1	77.6
94	VaMH 15005	83.7	73.6	78.9	83.1	79.6	81.2	81.4	78.3	80.3	76.8	79.6	73.8	81.3	78.6	76.6	78.2
95	VaMH 15036	84.4	78.0	77.6	82.0	80.7	83.1	83.5	85.1	84.1	76.1	79.9	74.7	84.2	82.2	76.4	79.4
96	WH-1010	81.6	76.0	77.6	83.8	79.6	80.9	83.2	84.1	82.3	74.1	78.4	79.8	83.7	78.7	77.0	79.7
97	WH-1094	76.7	78.1	75.9	83.3	78.5	83.0	79.2	82.4	81.4	74.5	79.3	79.6	83.6	70.3	71.7	77.3
98	CMH 08-292 (C)	88.2	75.6	76.8	83.8	81.1	81.8	80.3	84.2	82.1	79.9	79.5	75.0	87.4	78.1	73.8	78.6
99	BIO 9544 (C)	80.6	73.2	75.0	84.2	78.2	81.8	83.1	84.1	83.1	77.5	79.3	76.2	84.4	69.4	74.5	76.6
100	DHM 121 (C)	78.7	74.1	75.1	83.0	77.8	82.4	78.4	75.5	78.9	74.0	79.2	77.2	.	77.9	73.7	.
	Location Mean	80.0	74.1	77.1	83.6	78.6	81.8	81.9	82.9	82.2	78.3	79.2	76.4	82.9	78.3	75.3	78.6
	CV (%)	0.0	2.4	1.3	1.7	1.7	1.4	2.5	2.7	2.3	44.6	0.8	4.3	2.3	4.2	2.0	3.1
	F (Prob)	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CD (5%)	0.0	2.9	1.6	2.3	1.2	1.8	3.4	3.5	1.8	56.3	1.1	5.3	3.1	5.3	2.4	1.8
	CD (1%)	0.0	3.8	2.2	3.0	1.5	2.4	4.4	4.7	2.3	74.3	1.4	7.0	4.1	6.9	3.2	2.4

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TABLE No. 2: (Contd.)		Shelling(%)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	16402-008-01-01-03-5-2	81.6	83.4	65.5	79.1	55.3	80.6	76.0	74.6	59.7	74.9	63.7	78.7	69.3	.
2	ADV 140187	80.4	84.6	78.7	83.8	79.5	85.3	82.5	82.1	74.3	83.2	78.8	81.0	79.3	80.7
3	ADV 140235	79.3	83.4	77.7	83.1	78.4	84.2	80.7	80.9	77.7	81.3	76.6	79.4	79.1	79.9
4	AH 6007	78.3	82.7	77.6	81.4	78.6	82.7	77.5	79.9	74.2	83.8	74.1	80.7	78.1	79.3
5	AH 6008	81.2	86.4	79.5	84.6	80.3	83.8	79.1	81.9	74.5	84.9	73.6	82.6	78.1	80.4
6	AH 6009	81.0	86.3	78.6	83.9	78.1	84.1	79.0	81.4	76.2	84.6	76.9	80.4	79.9	80.2
7	AH 6017	76.9	82.3	78.3	81.5	77.6	80.9	77.3	79.3	78.8	84.0	77.1	79.2	79.1	78.6
8	AH-1606	79.9	85.3	79.0	83.5	79.7	83.8	81.8	81.9	75.3	83.7	81.3	80.9	80.9	81.2
9	AH-7067R	80.1	87.1	80.0	84.6	81.2	84.9	77.1	82.2	75.1	84.8	76.1	79.7	78.8	80.9
10	AMH-14258	79.3	84.7	73.0	82.9	79.2	82.9	78.1	80.1	75.1	86.1	78.2	80.5	80.0	79.3
11	BH 415012	78.6	85.4	77.1	81.9	78.4	83.4	78.0	80.4	76.0	82.1	77.9	80.1	79.2	79.4
12	BH 415100	77.9	79.9	75.2	81.2	78.7	80.5	80.8	79.0	74.9	77.8	76.0	81.8	76.7	78.8
13	BH 415158	81.4	83.6	79.9	83.7	78.8	84.6	80.9	81.8	77.9	86.9	80.5	80.6	81.7	80.8
14	BLH 117	78.9	86.7	76.1	84.5	80.5	83.3	82.7	81.4	77.9	85.8	74.7	79.1	78.0	80.1
15	BLH 118	81.1	84.8	78.0	83.8	79.8	83.8	78.4	81.5	80.7	86.4	75.8	83.1	81.2	79.8
16	BLH 119	78.6	86.6	78.5	83.1	78.7	82.1	82.2	81.4	76.6	84.1	81.8	80.9	80.7	80.8
17	BLH 120	80.9	86.8	81.6	84.1	81.5	83.7	78.5	82.4	76.5	84.5	80.0	79.2	80.4	80.9
18	BLH 121	80.8	85.9	78.0	82.3	79.3	84.7	80.6	81.6	75.7	79.8	81.4	78.9	79.3	80.3
19	BLH 122	81.2	87.5	82.9	86.0	80.8	87.2	75.6	83.0	78.0	89.2	73.7	82.3	80.4	81.1
20	BRMH-10 (CAH-1566)	78.2	84.3	77.5	83.7	78.5	83.1	80.9	80.5	76.8	86.6	81.3	77.7	79.5	79.8
21	CCH 1818	78.1	86.6	76.0	81.2	77.6	82.9	77.1	80.2	76.7	83.2	79.9	79.7	80.1	79.7
22	DAS-MH-311	80.5	89.0	81.6	84.6	82.4	87.3	79.1	83.3	78.2	89.0	78.9	79.7	81.6	82.3
23	DH-314	81.0	83.5	77.6	82.8	78.7	81.9	79.6	80.8	75.0	83.8	79.7	77.6	79.4	79.5
24	DKC7181 (IR8003)	81.5	89.5	79.1	85.4	81.5	83.0	81.9	83.1	74.0	85.3	73.1	82.1	78.3	80.6
25	DKC8181 (IR8004)	81.9	86.8	81.0	84.3	81.0	87.6	79.9	83.3	74.9	85.6	78.4	81.6	80.1	81.6
26	EH 2870	78.9	85.1	76.2	81.8	78.8	83.0	76.9	79.9	77.0	82.8	75.7	80.1	79.0	79.5
27	EH 2898	79.7	84.6	78.0	82.0	80.3	84.7	76.8	80.9	76.7	84.8	79.6	81.3	80.6	80.3
28	GH 160295	77.0	82.2	69.0	83.4	77.7	82.6	77.2	78.4	75.1	80.3	77.7	77.3	78.0	78.0
29	GIN-03	79.3	86.1	71.5	83.4	79.6	84.0	79.5	80.6	76.8	83.5	79.9	81.6	80.3	79.9
30	GK 3213	81.2	88.0	79.7	83.8	81.0	70.7	79.2	80.5	77.8	81.5	81.9	79.9	80.7	80.8
31	GK 3215	80.8	86.0	79.2	84.1	82.3	86.9	79.9	83.1	77.8	85.8	80.8	81.5	81.8	81.6
32	HKH 361	78.8	82.7	77.7	82.2	79.0	81.7	79.1	80.0	76.3	85.5	80.0	81.0	80.0	80.0
33	HKH 362	76.7	82.3	73.9	78.4	79.3	80.0	77.9	78.4	76.6	82.5	77.9	80.0	79.8	78.0
34	HKH 363	76.8	83.5	73.5	81.8	77.4	81.5	80.3	79.2	76.7	82.6	79.0	81.4	78.8	78.7
35	HKH 364	80.8	84.7	74.9	81.7	77.7	82.2	79.8	80.4	74.9	82.4	77.8	79.6	78.9	79.5
36	IIMRNH 1702	80.0	85.7	77.0	84.3	79.4	84.4	80.5	81.7	77.1	83.6	80.3	82.7	80.9	80.4
37	IMHBG-17K-1	77.2	85.4	73.4	83.1	76.4	83.2	77.4	79.7	74.5	78.3	83.4	82.4	80.4	79.5

TABLE No. 2: (Contd.)		Shelling(%)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
38	IMHBG-17K-10	77.2	80.8	81.9	78.2	80.0	81.3	79.0	79.8	78.7	77.5	75.6	81.1	77.9	77.8
39	IMHBG-17K-11	80.0	84.3	72.0	83.5	78.5	82.8	83.5	80.5	76.5	83.4	80.6	82.5	79.9	79.7
40	IMHBG-17K-12	77.7	82.6	77.8	83.6	79.2	83.5	80.8	80.7	76.0	57.6	82.6	81.6	74.0	79.0
41	IMHBG-17K-13	76.8	85.6	72.4	80.8	77.5	85.3	79.1	79.6	75.2	82.6	81.8	75.9	78.9	78.8
42	IMHBG-17K-14	78.1	79.3	71.4	77.5	77.6	77.1	78.4	76.9	75.7	81.1	74.2	78.0	77.6	77.7
43	IMHBG-17K-15	77.9	83.2	76.2	82.0	77.9	78.9	78.8	79.3	72.4	80.9	79.2	78.8	78.4	78.6
44	IMHBG-17K-16	77.8	82.1	74.7	80.2	75.9	80.7	80.1	78.8	76.0	80.2	81.0	80.1	80.1	79.3
45	IMHBG-17K-17	80.5	83.0	76.1	82.3	79.3	82.6	82.4	80.7	78.0	81.7	78.1	80.6	78.8	79.4
46	IMHBG-17K-18	76.2	81.9	76.5	80.0	77.3	79.8	79.8	78.6	77.2	82.4	78.5	80.6	79.6	78.7
47	IMHBG-17K-19	77.3	78.6	74.1	80.7	80.4	76.8	79.3	78.2	75.6	78.5	76.9	82.5	78.9	78.1
48	IMHBG-17K-2	81.4	86.6	79.3	84.2	81.1	84.1	79.4	82.1	74.9	87.1	80.6	84.0	80.4	81.2
49	IMHBG-17K-21	76.8	81.5	71.8	80.2	80.7	79.7	75.8	78.3	64.9	80.3	80.8	78.9	75.9	77.8
50	IMHBG-17K-22	77.8	80.4	70.3	77.1	79.7	76.2	77.5	77.0	75.8	77.2	78.3	82.0	78.8	77.4
51	IMHBG-17K-3	78.5	82.8	75.8	83.2	80.7	78.8	76.1	79.2	76.5	82.2	81.0	80.3	80.1	78.7
52	IMHBG-17K-4	76.8	82.8	77.5	80.2	80.3	84.8	78.1	80.0	76.7	82.5	76.5	80.3	78.5	79.0
53	IMHBG-17K-5	77.6	82.1	74.7	80.7	78.4	80.1	78.8	78.8	76.2	78.7	74.0	77.6	76.8	77.6
54	IMHBG-17K-6	77.5	80.1	73.8	79.8	82.2	80.9	78.8	78.9	74.8	76.8	75.5	79.7	77.4	78.1
55	IMHBG-17K-7	79.3	84.0	76.9	83.8	77.2	79.2	77.3	79.8	76.1	81.9	72.1	81.4	78.5	79.0
56	IMHBG-17K-8	77.9	83.2	76.5	79.6	79.0	82.0	79.7	79.6	75.9	82.4	79.3	79.8	79.7	79.1
57	IMHBG-17K-9	80.3	85.6	77.4	84.4	79.5	80.7	81.4	81.6	77.7	81.9	82.4	79.1	79.8	80.3
58	JASL-2033	77.8	84.8	74.6	82.5	79.0	85.5	80.6	80.6	75.8	81.9	82.7	82.7	81.3	80.2
59	JH 16029	77.4	84.9	78.1	82.6	80.1	86.3	78.0	80.9	78.7	85.1	79.5	83.1	81.7	80.5
60	JH 16045	82.6	85.2	81.3	84.2	79.7	85.3	79.2	82.4	77.7	86.5	73.1	79.7	79.1	80.6
61	JH 32055	79.4	86.5	76.1	82.4	76.6	81.6	78.3	80.2	75.4	83.2	75.0	81.4	79.1	79.2
62	JKMH 15303	79.3	84.8	76.8	83.8	79.4	86.0	81.0	81.5	76.5	86.5	81.0	80.6	81.3	81.3
63	K-27	77.5	83.5	73.9	82.0	77.1	81.1	79.7	79.2	75.2	85.1	80.2	83.0	80.3	78.9
64	KH 103	81.5	87.7	80.1	86.3	80.9	84.5	78.7	82.8	76.7	87.6	82.6	83.0	81.9	81.5
65	KMH 16-1	79.7	85.6	76.3	83.9	78.4	84.9	78.5	81.2	75.5	85.6	79.3	80.8	80.3	80.5
66	KMH 16-2	76.9	82.7	79.9	83.5	80.5	85.2	76.2	80.9	74.5	83.9	83.0	80.7	80.4	80.5
67	KMH 16-25	81.0	84.7	81.7	84.2	80.5	86.5	77.3	82.5	73.1	85.5	76.6	81.8	79.2	81.0
68	KMH 16-29	81.4	87.4	79.4	84.1	82.9	82.9	76.3	82.2	76.2	88.8	79.2	81.9	81.1	81.0
69	KMH 16-40	81.0	88.9	83.3	83.4	84.8	86.0	77.7	83.6	73.2	88.0	80.4	81.5	80.9	82.3
70	KMH 16-42	77.3	82.2	75.9	80.6	79.4	83.8	77.1	79.4	74.4	83.0	76.7	80.4	78.9	79.4
71	LMH 1017	77.7	83.0	76.4	78.7	78.6	85.3	80.3	79.9	76.9	82.7	77.7	79.3	79.4	79.3
72	LMH 817	79.7	84.9	80.5	84.4	81.6	85.4	78.0	82.1	76.1	84.6	83.9	78.3	81.0	80.9
73	LMH 917	80.7	86.0	77.1	83.6	80.1	83.6	80.6	81.8	76.5	78.0	81.3	80.3	79.3	80.2
74	LMH1117	78.8	83.6	77.8	83.0	79.6	84.9	78.5	80.8	75.4	84.7	78.9	79.4	80.5	79.9

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TABLE No. 2: (Contd.)		Shelling(%)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
75	MMH 16-11	78.7	81.5	77.1	82.7	78.1	84.0	79.9	80.2	75.5	83.1	79.2	80.4	79.9	80.0
76	MMH 16-12	76.8	83.4	77.2	84.2	77.5	84.9	77.5	80.2	71.7	84.7	76.9	81.0	79.7	79.6
77	NMH-4053	80.2	85.0	79.8	84.4	80.0	85.0	83.3	82.4	75.5	77.9	79.0	81.7	77.8	80.7
78	NMH-4139	77.3	83.2	76.7	83.7	78.1	84.6	80.9	80.7	76.4	84.4	82.4	82.8	81.5	80.4
79	NMH-51+	81.6	85.1	76.1	84.5	79.0	86.1	76.5	81.2	75.0	82.4	75.4	81.7	79.3	79.9
80	OMH16-4	78.9	83.2	77.2	83.3	78.2	79.2	80.7	80.1	77.4	81.4	73.6	79.0	78.2	79.6
81	PM17102M	78.0	83.2	76.0	82.3	77.1	82.7	80.8	80.2	77.3	80.3	77.5	78.8	79.1	79.5
82	PM17103M	81.1	86.4	80.1	84.6	81.0	85.3	79.3	82.8	76.1	86.5	76.9	81.9	80.3	81.2
83	RCRMH 4-1	81.0	85.1	78.6	83.7	80.3	83.1	80.6	81.8	77.3	86.2	78.9	82.3	81.0	80.9
84	RCRMH3(CAH156)	80.5	85.3	78.8	84.3	80.8	81.4	80.0	81.8	77.0	82.2	80.3	80.8	80.0	79.9
85	REH 2013-15	78.6	85.0	71.0	84.3	79.2	84.0	79.2	80.3	72.8	86.1	79.1	82.7	80.3	79.8
86	REH 2013-21	78.2	84.3	72.5	82.5	77.3	81.1	77.5	79.1	76.5	81.6	77.5	81.1	79.5	79.0
87	STAR-X-14	80.5	85.1	75.2	84.5	76.6	83.4	77.6	80.4	78.7	89.1	77.7	81.9	81.3	80.4
88	STAR-X-16	80.6	87.7	78.5	84.5	83.5	86.6	77.9	82.8	75.8	88.8	84.4	79.2	81.4	81.0
89	STAR-X-18	80.2	84.8	76.9	83.9	76.8	84.2	79.9	80.8	75.4	82.5	80.3	80.8	79.9	79.7
90	STAR-X-20	78.9	83.1	77.2	83.5	77.1	82.3	80.3	80.5	75.6	87.7	82.0	83.0	82.1	80.7
91	SYN716725	81.7	85.5	79.9	83.5	77.7	83.5	77.8	81.4	76.1	82.8	82.4	79.5	80.3	80.4
92	UDMH-131	80.4	84.2	73.8	84.1	78.0	83.5	73.9	79.9	72.8	83.6	71.7	80.2	76.9	79.4
93	UDMH-132	79.0	84.7	81.7	84.0	81.3	87.5	76.9	82.1	68.6	82.4	78.5	76.9	76.8	79.7
94	VaMH 15005	81.6	84.3	79.5	81.7	81.2	84.0	79.1	81.7	76.7	83.1	80.6	77.8	79.5	80.0
95	VaMH 15036	80.5	84.1	79.1	84.4	78.7	82.8	79.3	81.3	78.0	82.4	80.2	78.7	80.1	80.9
96	WH-1010	81.9	85.5	78.3	83.5	79.9	81.5	78.7	81.3	75.1	83.9	82.5	85.2	81.6	80.8
97	WH-1094	78.6	84.8	76.0	82.8	77.9	80.0	79.4	80.0	76.7	82.3	73.5	80.8	78.1	79.0
98	CMH 08-292 (C)	78.0	84.1	76.3	82.1	78.0	84.2	79.4	80.5	75.7	83.8	82.5	79.2	80.5	80.4
99	BIO 9544 (C)	80.1	86.5	76.6	83.9	79.7	84.9	81.5	81.9	75.8	82.5	81.4	80.1	80.3	80.0
100	DHM 121 (C)	72.1	80.6	71.7	81.2	80.5	83.1	38.8	72.5	37.2	83.3	82.7	80.8	70.5	.
	Location Mean	79.2	84.5	76.9	82.8	79.2	83.0	78.7	80.6	75.3	83.1	78.6	80.6	79.4	79.9
	CV (%)	1.1	1.0	3.8	1.0	1.4	2.4	5.1	2.6	5.6	6.5	6.3	1.6	5.4	3.3
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.17	0.00	0.00	0.00
	CD (5%)	1.4	1.3	4.7	1.3	1.7	3.2	6.5	1.3	6.8	8.7	7.9	2.1	3.5	0.9
	CD (1%)	1.9	1.7	6.2	1.8	2.3	4.2	8.5	1.7	9.0	11.5	10.5	2.8	4.6	1.2

TABLE No. 2:		Moisture(%)																
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)							
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	16402-008-01-01-03-5-2	22.0	23.1	29.1	25.7	25.1	23.7	18.6	.	.	27.0	17.5	32.6	.	24.8	17.7	.	
2	ADV 140187	23.2	25.3	33.1	25.7	26.8	22.6	19.8	29.1	23.7	23.4	18.2	28.9	27.8	25.9	30.0	25.6	
3	ADV 140235	22.6	24.1	32.0	25.3	26.2	23.7	18.9	29.8	23.9	23.8	17.7	27.7	27.8	31.4	26.7	25.8	
4	AH 6007	22.5	24.2	29.6	25.4	25.2	21.4	21.1	21.2	21.3	24.5	18.4	29.9	28.1	26.4	24.5	25.3	
5	AH 6008	22.8	25.8	32.4	26.0	26.9	22.6	20.0	29.0	23.9	24.1	17.7	31.5	27.8	27.7	24.2	25.5	
6	AH 6009	22.8	26.7	26.0	25.3	25.2	23.6	18.7	28.0	23.4	21.7	17.6	32.1	27.6	26.5	25.7	25.2	
7	AH 6017	22.7	26.3	31.1	25.3	26.5	23.5	19.6	30.7	24.7	22.9	18.1	29.9	28.7	30.1	24.5	25.6	
8	AH-1606	23.2	24.9	33.8	25.7	27.1	22.9	20.2	29.2	24.0	23.0	18.1	26.5	28.6	25.5	25.0	24.5	
9	AH-7067R	23.6	24.5	33.4	25.4	26.6	22.2	18.9	29.1	23.5	24.5	17.7	23.2	28.2	26.8	26.0	24.4	
10	AMH-14258	22.8	24.3	34.7	25.8	26.9	23.2	19.8	26.8	23.2	24.2	17.5	26.9	27.8	30.7	27.7	25.8	
11	BH 415012	22.3	23.1	29.0	25.5	24.9	22.5	19.0	26.3	22.6	24.3	18.3	29.3	28.4	27.7	22.8	25.0	
12	BH 415100	22.9	24.6	30.0	26.0	25.9	21.9	20.4	28.4	23.7	23.1	17.6	24.8	28.5	33.1	23.8	24.9	
13	BH 415158	22.6	24.4	29.9	25.3	25.8	22.8	20.0	28.3	23.7	24.9	18.6	26.2	27.8	27.2	26.9	25.2	
14	BLH 117	22.7	25.3	34.7	25.3	26.9	21.5	22.2	29.0	24.5	24.2	18.0	28.6	27.4	31.8	27.7	26.0	
15	BLH 118	22.6	25.9	35.2	25.4	27.3	23.9	19.3	29.6	24.4	25.4	17.9	27.4	27.8	30.7	27.1	26.1	
16	BLH 119	23.0	23.3	34.9	25.3	26.5	22.7	22.4	30.3	25.1	26.3	17.6	29.5	28.3	28.3	26.2	26.2	
17	BLH 120	22.3	26.5	35.6	25.2	27.5	23.0	20.1	29.1	24.1	22.9	18.1	28.7	28.5	27.9	26.8	25.4	
18	BLH 121	22.8	26.2	33.8	25.4	26.9	21.8	19.5	29.5	23.5	24.6	17.6	29.0	28.2	28.5	27.7	26.2	
19	BLH 122	22.3	24.6	34.1	26.1	26.8	23.3	17.7	29.5	23.6	24.0	17.5	30.7	27.9	29.6	26.5	25.8	
20	BRMH-10 (CAH-1566)	22.6	25.3	32.4	25.3	26.4	22.4	18.7	27.0	22.8	23.0	17.5	24.0	27.5	28.4	26.3	24.4	
21	CCH 1818	22.0	27.7	34.9	25.7	27.6	22.3	16.2	27.0	22.0	27.4	17.4	29.3	27.5	30.0	26.6	26.4	
22	DAS-MH-311	22.7	24.6	29.1	25.3	25.5	23.4	21.5	30.1	25.1	24.2	18.8	26.7	27.5	28.2	23.8	24.8	
23	DH-314	22.6	25.9	30.0	25.5	26.0	23.3	18.6	28.0	23.3	23.5	18.1	24.6	27.4	24.4	25.0	23.9	
24	DKC7181 (IR8003)	21.6	24.2	31.3	25.1	25.4	22.5	18.5	27.0	22.5	26.0	18.0	26.9	28.3	30.7	27.3	26.4	
25	DKC8181 (IR8004)	22.7	25.7	31.6	25.8	26.3	22.6	19.2	28.6	23.6	27.2	17.5	29.2	27.5	29.8	29.3	26.8	
26	EH 2870	22.2	26.0	31.4	25.7	26.2	22.2	18.1	28.5	22.9	25.6	18.2	31.5	28.2	29.4	26.1	26.6	
27	EH 2898	22.9	27.3	32.2	25.5	27.0	22.1	19.3	31.6	24.3	24.9	17.8	29.0	29.0	30.2	26.0	26.1	
28	GH 160295	23.7	23.6	32.0	25.8	26.3	23.3	21.7	29.1	24.6	24.2	18.1	29.2	27.8	26.5	27.4	25.6	
29	GIN-03	22.5	25.4	33.0	25.3	26.6	23.7	19.8	28.6	23.9	24.4	17.8	27.0	28.1	31.3	27.2	25.9	
30	GK 3213	21.9	24.1	30.2	25.5	25.7	22.7	21.3	28.7	24.2	22.8	18.2	28.7	28.1	26.1	23.8	24.7	
31	GK 3215	21.6	27.7	28.8	25.8	25.9	22.8	22.9	27.0	24.2	26.2	18.0	27.8	27.7	27.2	27.2	25.7	
32	HKH 361	22.6	23.8	31.1	25.6	25.8	22.1	20.7	28.6	23.9	23.9	18.9	26.4	28.4	25.2	27.1	24.8	
33	HKH 362	23.3	25.6	30.7	25.2	26.3	21.8	16.9	30.3	23.2	22.2	18.2	24.4	27.8	25.8	25.6	24.0	
34	HKH 363	24.0	26.2	31.9	25.3	26.9	22.5	18.9	26.4	22.7	23.2	18.0	23.9	28.1	29.0	26.7	24.7	
35	HKH 364	22.4	24.1	30.2	25.0	25.4	22.0	20.3	27.4	23.2	23.5	17.9	28.7	27.6	29.4	27.5	25.9	
36	IIMRNH 1702	22.3	24.1	32.8	26.1	26.1	22.2	20.9	27.9	23.6	25.4	18.1	28.2	27.7	31.8	25.4	26.1	
37	IMHBG-17K-1	22.0	23.1	29.4	25.5	24.9	23.0	20.4	27.0	23.3	23.6	18.2	26.4	27.4	26.3	25.1	24.6	
38	IMHBG-17K-10	23.0	24.5	32.1	25.3	26.4	22.5	21.0	29.7	24.5	23.7	17.6	28.2	28.0	30.5	26.2	25.6	

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TABLE No. 2:		Moisture(%)															
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
39	IMHBG-17K-11	22.2	25.7	35.4	25.7	27.2	23.0	19.1	27.1	23.1	22.4	17.6	27.9	28.2	29.8	24.4	25.0
40	IMHBG-17K-12	22.7	25.6	31.0	25.1	25.9	21.9	22.4	30.5	25.0	22.5	18.6	29.6	27.6	31.3	26.0	25.7
41	IMHBG-17K-13	23.1	24.0	31.8	25.5	25.9	22.0	21.0	28.0	23.8	24.8	17.7	27.2	27.8	29.0	24.9	25.1
42	IMHBG-17K-14	23.0	22.9	33.9	25.3	26.4	22.8	18.8	28.4	23.2	22.4	18.2	28.6	28.7	29.5	26.3	25.5
43	IMHBG-17K-15	22.4	26.1	31.6	25.4	26.2	22.2	18.5	28.0	23.1	24.5	18.2	24.3	28.4	27.7	23.0	24.4
44	IMHBG-17K-16	22.8	24.3	32.1	26.0	26.5	22.5	17.3	28.3	22.5	25.2	18.2	27.6	27.0	30.4	23.0	25.3
45	IMHBG-17K-17	22.6	23.1	28.2	25.0	24.7	22.2	20.5	26.6	23.1	25.4	17.9	25.2	27.7	27.2	23.6	24.4
46	IMHBG-17K-18	22.7	23.8	33.6	24.9	26.2	22.6	21.3	28.6	24.2	26.9	18.3	26.7	27.6	30.2	27.2	26.1
47	IMHBG-17K-19	22.4	24.8	35.7	26.0	27.3	22.9	20.0	28.9	23.8	23.9	17.5	27.8	27.5	28.8	27.1	25.4
48	IMHBG-17K-2	22.9	24.1	29.8	25.6	25.6	23.3	19.7	26.9	23.2	22.1	17.5	21.4	27.8	27.6	21.5	23.0
49	IMHBG-17K-21	22.6	25.2	33.4	25.3	26.5	21.5	19.1	24.7	21.9	23.5	17.7	24.7	28.8	29.4	24.9	24.9
50	IMHBG-17K-22	22.7	24.4	29.2	25.7	25.5	21.8	20.3	27.4	23.2	26.0	18.2	26.0	28.2	29.4	27.0	25.9
51	IMHBG-17K-3	22.1	24.3	30.8	25.8	25.8	22.8	19.4	28.6	23.5	23.1	18.4	23.4	27.3	28.7	21.5	23.7
52	IMHBG-17K-4	22.9	20.9	29.7	25.1	24.7	22.0	19.9	27.3	23.3	21.7	17.9	26.0	28.6	30.1	26.1	24.9
53	IMHBG-17K-5	22.4	24.6	32.8	25.5	26.4	22.7	20.5	27.8	23.7	21.6	18.2	27.9	27.8	29.3	26.7	25.3
54	IMHBG-17K-6	22.4	27.2	35.0	25.6	27.4	22.3	20.9	29.2	24.1	25.4	18.2	29.3	28.2	28.6	26.1	26.1
55	IMHBG-17K-7	22.8	24.2	34.5	25.5	26.9	23.1	20.0	27.9	23.7	26.0	17.6	28.8	28.9	30.3	25.7	26.2
56	IMHBG-17K-8	22.7	24.8	31.1	26.0	26.2	24.1	21.5	27.6	24.4	23.9	18.1	29.0	27.7	29.3	29.0	26.1
57	IMHBG-17K-9	23.1	25.2	31.9	25.2	26.4	22.1	19.9	27.9	23.5	24.4	18.0	26.8	27.5	27.5	26.6	25.2
58	JASL-2033	22.3	25.2	34.6	24.9	26.7	23.2	19.9	29.6	24.1	24.1	18.0	28.8	29.4	29.4	24.8	26.0
59	JH 16029	22.4	24.5	32.5	25.2	26.3	23.4	19.8	27.5	23.6	24.3	18.2	25.4	27.6	32.0	26.1	25.6
60	JH 16045	22.4	23.7	33.8	25.4	26.5	21.3	21.4	29.6	24.2	25.9	18.2	27.3	27.4	31.0	27.8	26.0
61	JH 32055	23.0	24.4	30.7	25.8	26.1	22.4	19.7	30.4	24.1	23.7	18.1	25.3	27.3	27.9	23.2	24.4
62	JKMH 15303	23.4	24.9	29.6	25.6	25.9	22.0	19.5	27.6	23.0	22.6	17.9	29.1	27.3	26.3	29.1	25.4
63	K-27	22.8	24.0	31.4	25.5	25.8	23.1	21.7	28.0	24.4	25.0	17.9	30.7	27.7	34.5	29.0	27.1
64	KH 103	22.3	23.8	33.3	26.2	26.3	22.7	22.3	29.4	24.9	24.5	18.1	28.6	27.8	34.6	28.6	26.9
65	KMH 16-1	22.3	24.0	26.9	25.2	24.6	21.3	18.0	23.9	21.0	22.7	17.6	23.0	27.9	25.3	21.9	23.1
66	KMH 16-2	21.9	27.2	28.9	25.5	25.8	21.8	18.6	24.1	21.5	22.2	18.4	27.1	27.9	24.2	22.6	23.6
67	KMH 16-25	22.9	24.0	26.5	25.0	24.6	23.0	17.7	24.1	21.4	21.8	18.0	23.5	28.7	29.0	21.5	23.8
68	KMH 16-29	21.4	26.0	27.4	25.3	25.0	21.0	16.2	23.6	20.2	22.9	17.9	24.9	28.0	30.0	19.7	24.1
69	KMH 16-40	22.1	25.3	28.0	25.8	25.2	21.6	16.2	25.2	20.8	21.6	17.7	22.2	27.5	21.9	19.1	21.9
70	KMH 16-42	22.5	24.0	27.8	25.5	25.0	22.0	16.1	23.4	20.5	20.7	18.2	30.3	27.6	22.2	19.1	23.3
71	LMH 1017	22.5	26.4	33.4	25.2	26.9	22.8	20.0	29.6	24.2	23.8	18.3	26.4	28.2	30.0	27.8	25.8
72	LMH 817	22.6	22.3	30.3	25.9	25.2	21.3	20.6	28.9	23.7	25.9	18.1	27.3	27.8	24.6	25.1	24.8
73	LMH 917	22.6	25.7	34.2	25.1	26.9	23.3	22.4	28.4	24.7	23.7	18.7	31.6	28.5	32.4	28.6	27.2
74	LMH1117	22.7	25.1	33.0	25.8	26.8	22.6	20.1	29.4	24.0	24.0	17.7	29.7	28.0	30.7	26.5	26.1
75	MMH 16-11	23.0	24.3	32.2	25.8	26.3	22.1	19.2	27.8	23.1	23.3	17.4	26.3	27.8	28.0	23.6	24.3
76	MMH 16-12	22.9	27.2	25.9	25.4	25.5	22.6	16.7	24.6	21.3	21.9	18.6	28.5	28.1	26.1	24.4	24.6

TABLE No. 2:		Moisture(%)															
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
77	NMH-4053	22.3	25.0	28.0	25.8	25.3	22.6	22.5	27.7	24.3	24.3	17.9	23.1	28.1	31.1	24.9	24.7
78	NMH-4139	23.0	22.7	29.0	25.2	25.0	23.3	19.7	31.3	24.6	23.9	17.1	28.5	28.3	28.8	23.1	24.9
79	NMH-51+	21.7	26.4	31.8	25.4	26.6	22.7	19.4	27.7	23.3	23.8	18.3	28.4	27.6	28.7	27.5	25.7
80	OMH16-4	23.0	25.1	32.5	25.4	26.5	22.8	16.8	28.7	22.8	23.7	17.8	29.5	28.1	31.0	27.3	26.0
81	PM17102M	22.5	26.4	31.1	25.7	26.4	21.3	20.9	28.9	23.7	23.8	18.7	23.1	28.1	29.6	23.7	24.4
82	PM17103M	22.1	23.5	28.9	26.1	25.0	23.6	19.4	26.3	23.0	26.0	17.8	32.9	27.4	23.4	23.3	25.4
83	RCRMH 4-1	22.4	24.4	37.6	25.5	27.4	21.6	20.7	28.9	23.8	23.7	18.1	26.5	28.0	28.6	25.3	25.1
84	RCRMH3(CAH156)	22.6	22.3	30.2	24.9	25.0	23.0	21.0	29.2	24.4	25.8	18.3	27.1	27.2	30.5	26.1	25.8
85	REH 2013-15	22.5	25.0	36.9	25.3	27.4	23.4	20.8	30.2	24.8	26.4	17.6	29.6	28.3	31.9	29.9	27.3
86	REH 2013-21	22.9	24.6	34.7	25.7	27.0	22.6	19.3	28.3	23.3	23.9	18.0	31.6	27.6	29.9	25.9	26.4
87	STAR-X-14	22.9	27.8	30.6	25.8	26.7	21.9	22.1	30.3	24.7	26.6	17.8	27.9	27.9	31.7	25.4	26.2
88	STAR-X-16	22.0	25.0	27.4	25.5	25.0	22.7	18.9	24.5	22.1	22.4	18.5	29.0	27.8	25.9	25.4	25.0
89	STAR-X-18	22.8	25.4	32.3	25.3	26.3	22.9	21.6	31.1	25.3	25.1	18.2	26.4	27.9	26.8	27.7	25.3
90	STAR-X-20	23.2	26.6	34.1	25.7	27.3	21.8	18.3	27.0	22.2	23.1	18.0	23.8	27.4	28.5	25.6	24.4
91	SYN716725	24.1	25.3	34.9	25.2	27.3	22.0	19.4	29.6	23.6	25.3	18.0	26.8	28.6	28.7	25.7	25.6
92	UDMH-131	22.8	26.9	31.4	25.0	26.4	22.6	17.2	25.2	21.7	23.5	18.2	21.2	.	27.4	20.9	.
93	UDMH-132	22.6	25.1	27.6	25.5	25.1	22.3	17.8	22.9	21.0	22.1	17.9	19.4	27.4	28.3	21.6	22.9
94	VaMH 15005	23.0	25.2	31.1	25.2	26.0	22.4	19.7	28.5	23.6	21.8	17.8	26.2	27.7	23.7	23.9	23.5
95	VaMH 15036	21.7	26.4	31.9	25.4	26.3	22.2	20.9	29.7	24.3	25.4	17.5	26.7	27.8	27.1	26.3	25.0
96	WH-1010	22.3	24.1	30.9	25.5	25.7	22.9	19.0	28.8	23.4	23.7	17.5	23.9	28.3	23.5	23.8	23.4
97	WH-1094	22.8	22.6	33.0	24.9	25.9	22.5	21.1	26.2	23.1	25.5	18.6	23.5	28.3	28.6	24.1	24.8
98	CMH 08-292 (C)	22.4	24.3	34.6	26.1	26.9	23.2	21.9	29.1	24.7	25.9	18.0	28.3	27.2	28.7	27.5	26.1
99	BIO 9544 (C)	23.4	26.8	38.2	24.9	28.4	23.3	21.2	29.0	24.6	24.0	18.1	29.7	28.0	30.8	30.3	26.8
100	DHM 121 (C)	21.4	24.8	33.2	25.4	26.1	23.9	20.2	28.7	24.3	26.0	17.9	31.8	.	27.9	28.4	.
	Location Mean	22.6	24.9	31.7	25.5	26.5	22.6	19.8	28.0	23.4	24.1	18.0	27.3	27.9	28.6	25.5	25.2
	CV (%)	2.9	5.7	5.2	2.0	4.6	5.1	5.9	5.2	5.4	2.9	2.6	7.2	1.5	9.9	5.6	6.3
	F (Prob)	0.52	0.00	0.00	0.61	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CD (5%)	1.1	2.3	2.7	0.8	1.1	1.9	1.9	2.4	1.2	1.1	0.8	3.2	0.7	4.5	2.3	1.1
	CD (1%)	1.4	3.0	3.5	1.1	1.4	2.5	2.5	3.1	1.6	1.5	1.0	4.2	0.9	6.0	3.1	1.5

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TABLE No. 2: (Contd.)		Moisture(%)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India Mean
		Coimbatore Mean	Dharwad Mean	Hyderabad Mean	Karimnagar Mean	Mandya Mean	Rahuri Mean	Vagarai Mean	Zone4 Mean	Banswara Mean	Chindwara Mean	Jhabua Mean	Udaipur Mean	Zone5 Mean	
1	16402-008-01-01-03-5-2	18.2	13.9	21.0	17.8	13.3	10.7	15.8	15.8	15.6	12.4	10.6	13.5	13.1	.
2	ADV 140187	20.7	17.2	22.2	17.7	16.8	16.8	16.2	18.3	15.8	19.2	10.8	16.0	15.6	21.8
3	ADV 140235	21.6	17.4	22.3	18.7	18.1	15.0	16.6	18.5	17.1	18.9	12.0	14.9	15.8	21.8
4	AH 6007	19.9	15.0	19.7	18.0	17.8	17.5	17.4	17.9	16.0	15.1	9.7	12.9	13.5	20.7
5	AH 6008	20.6	10.3	20.9	17.8	16.2	16.4	16.8	17.1	16.4	17.7	11.0	16.2	15.2	21.3
6	AH 6009	18.4	13.9	21.9	15.1	16.9	16.6	16.4	17.1	16.3	15.9	11.1	15.9	14.9	20.9
7	AH 6017	20.5	14.5	22.2	14.9	16.8	15.7	16.9	17.2	16.8	17.1	9.7	14.1	14.2	21.3
8	AH-1606	21.6	15.6	21.1	15.8	17.3	16.8	15.9	17.7	17.1	14.9	12.6	12.6	14.1	21.2
9	AH-7067R	20.4	18.2	19.7	16.3	16.9	15.4	15.9	17.6	16.2	14.1	10.9	13.4	13.6	20.9
10	AMH-14258	20.2	13.5	20.8	17.3	17.5	16.5	16.8	17.5	16.8	16.2	11.7	12.3	14.1	21.3
11	BH 415012	19.6	12.2	20.3	16.7	15.9	16.0	15.6	16.6	16.2	11.9	10.7	15.0	13.5	20.3
12	BH 415100	20.4	14.1	20.6	16.2	17.7	15.3	17.1	17.4	16.6	15.9	14.5	13.0	15.1	21.1
13	BH 415158	21.2	15.8	20.6	17.2	17.9	17.0	16.3	18.1	16.8	18.7	13.2	14.8	15.7	21.4
14	BLH 117	22.2	16.9	22.1	18.9	17.4	17.0	16.6	18.6	16.8	19.7	12.6	14.8	15.5	22.1
15	BLH 118	21.9	14.2	20.2	16.9	16.7	17.6	16.5	17.7	17.8	16.8	12.1	13.4	14.8	21.7
16	BLH 119	21.1	13.9	24.2	19.1	16.7	14.9	17.2	18.2	16.5	16.8	10.8	14.7	14.6	21.9
17	BLH 120	20.1	14.1	23.1	18.5	18.6	15.1	16.3	18.0	16.4	14.1	11.4	15.1	14.7	21.6
18	BLH 121	21.7	17.6	20.3	19.2	17.8	17.8	16.3	18.7	16.1	17.0	15.2	14.5	15.9	22.1
19	BLH 122	17.0	13.4	21.6	18.6	18.1	16.3	14.8	17.1	16.2	16.4	11.2	14.8	14.5	21.3
20	BRMH-10 (CAH-1566)	19.6	13.1	19.1	16.4	15.6	15.6	16.6	16.6	16.7	15.5	13.0	13.9	14.7	20.6
21	CCH 1818	21.8	15.2	22.2	18.9	17.9	13.4	15.8	18.0	16.9	17.9	13.4	15.0	15.7	21.8
22	DAS-MH-311	21.9	12.2	20.3	17.7	16.2	15.3	16.4	17.3	17.1	12.6	10.9	14.7	14.0	20.9
23	DH-314	20.0	15.7	19.0	16.1	15.9	14.2	17.4	16.7	16.3	17.8	10.9	14.8	14.8	20.6
24	DKC7181 (IR8003)	20.0	18.7	21.5	15.9	16.8	15.7	15.5	17.8	16.5	16.1	12.0	13.7	14.2	21.2
25	DKC8181 (IR8004)	21.3	15.3	21.9	17.7	18.2	17.5	17.3	18.5	16.7	16.8	12.6	6.8	13.6	21.7
26	EH 2870	21.7	14.1	20.3	16.4	17.9	16.4	14.9	17.4	16.2	14.9	11.0	14.8	14.6	21.4
27	EH 2898	21.7	16.9	21.8	18.0	17.6	18.3	15.1	18.5	17.1	17.0	10.3	16.5	15.7	22.1
28	GH 160295	21.4	15.8	20.5	16.7	16.9	16.3	16.1	17.8	17.1	18.4	11.7	14.5	15.5	21.6
29	GIN-03	21.8	14.9	22.0	18.7	18.3	15.1	16.3	18.0	16.4	19.2	17.3	14.5	17.0	22.0
30	GK 3213	21.8	13.6	21.4	18.6	17.7	16.4	17.0	18.1	16.2	17.5	10.5	13.6	14.2	21.1
31	GK 3215	21.3	14.8	20.5	19.2	17.4	17.8	16.9	18.3	17.6	16.0	12.2	16.2	15.6	21.7
32	HKH 361	19.8	14.2	22.9	15.9	17.3	16.0	17.0	17.4	16.8	18.0	12.3	14.6	15.4	21.1
33	HKH 362	20.7	15.2	20.6	14.7	16.2	15.0	16.1	17.0	16.8	12.5	13.5	12.7	14.0	20.5
34	HKH 363	19.5	14.8	19.4	14.3	16.7	16.1	16.5	16.9	17.4	13.1	10.2	13.8	13.4	20.6
35	HKH 364	21.3	18.4	21.9	16.6	17.0	16.6	16.4	18.3	17.2	17.7	9.9	12.7	14.3	21.3
36	IIMRNH 1702	22.4	13.0	22.0	16.8	18.3	18.1	17.8	18.4	16.8	16.6	11.1	11.7	13.8	21.5
37	IMHBG-17K-1	20.0	15.6	21.1	17.8	17.3	15.5	16.8	17.7	16.2	18.8	11.8	18.1	16.5	21.1
38	IMHBG-17K-10	22.4	13.0	20.8	17.4	16.9	15.7	16.4	17.5	16.0	18.7	12.5	15.1	15.4	21.5

TABLE No. 2: (Contd.)		Moisture(%)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India Mean
		Coimbatore Mean	Dharwad Mean	Hyderabad Mean	Karimnagar Mean	Mandya Mean	Rahuri Mean	Vagarai Mean	Zone4 Mean	Banswara Mean	Chindwara Mean	Jhabua Mean	Udaipur Mean	Zone5 Mean	
39	IMHBG-17K-11	21.7	14.9	22.6	15.1	16.4	14.2	16.6	17.4	17.0	12.9	11.3	15.3	14.0	21.1
40	IMHBG-17K-12	22.0	13.0	21.6	18.7	18.6	15.9	17.0	18.0	15.8	14.3	14.0	12.9	14.0	21.5
41	IMHBG-17K-13	21.2	14.7	20.4	16.2	17.1	17.3	15.9	17.5	16.9	16.2	16.1	12.0	15.3	21.2
42	IMHBG-17K-14	20.8	15.2	21.7	16.9	16.7	15.5	16.9	17.8	16.3	15.2	12.8	17.0	15.4	21.4
43	IMHBG-17K-15	21.4	13.6	21.4	14.8	17.2	13.1	16.3	16.9	16.7	11.5	9.8	13.0	13.5	20.5
44	IMHBG-17K-16	19.4	18.1	19.7	15.5	17.7	15.8	16.1	17.4	17.2	15.8	12.4	15.8	15.6	21.2
45	IMHBG-17K-17	18.4	13.6	21.9	15.5	16.7	16.1	16.0	16.9	17.6	14.8	11.7	14.4	14.3	20.4
46	IMHBG-17K-18	21.9	17.8	21.9	17.1	17.3	17.4	16.2	18.4	16.7	17.6	14.3	12.8	15.2	21.8
47	IMHBG-17K-19	22.2	18.3	21.9	18.5	17.5	16.4	17.3	18.8	16.2	15.9	10.3	13.4	14.1	21.7
48	IMHBG-17K-2	22.0	15.6	21.6	15.5	18.2	16.8	16.0	17.9	16.6	16.1	11.0	13.5	14.2	20.5
49	IMHBG-17K-21	20.2	16.8	20.5	16.0	16.2	13.7	16.7	17.2	16.1	14.7	12.5	13.5	14.2	20.8
50	IMHBG-17K-22	22.0	18.8	21.7	18.9	17.4	16.4	16.3	18.8	16.3	17.0	11.5	16.0	15.4	21.7
51	IMHBG-17K-3	19.9	14.4	20.1	14.5	17.5	14.6	15.9	16.8	16.6	13.9	10.5	13.2	13.6	20.3
52	IMHBG-17K-4	21.4	16.1	21.1	17.0	16.9	15.5	16.6	17.7	16.6	37.1	14.1	13.4	20.2	21.8
53	IMHBG-17K-5	21.6	14.7	21.8	17.5	16.3	15.3	15.8	17.5	16.2	18.0	11.3	15.7	15.4	21.4
54	IMHBG-17K-6	21.7	14.0	22.1	17.9	17.2	13.7	16.2	17.6	16.0	17.1	12.1	15.8	15.5	21.8
55	IMHBG-17K-7	17.8	17.1	20.6	17.2	17.1	15.2	17.1	17.5	17.3	17.2	11.5	15.8	15.4	21.7
56	IMHBG-17K-8	21.3	16.9	23.5	17.6	18.3	15.6	17.1	18.6	16.4	16.6	12.8	13.0	14.5	21.8
57	IMHBG-17K-9	20.5	16.5	20.4	17.1	18.7	16.0	16.6	18.0	17.0	16.3	11.6	12.6	14.5	21.3
58	JASL-2033	21.5	12.7	21.8	18.9	17.8	16.9	16.6	18.1	16.3	19.3	13.4	15.7	16.3	22.0
59	JH 16029	21.4	16.9	21.3	15.9	17.4	17.2	17.1	18.1	17.8	18.7	12.2	13.9	15.2	21.6
60	JH 16045	22.4	18.2	22.8	19.2	18.2	17.6	16.7	19.1	16.8	22.2	11.0	16.3	16.1	22.2
61	JH 32055	19.8	17.7	20.8	13.9	17.2	14.9	15.3	17.1	17.7	14.8	12.2	13.9	14.6	20.9
62	JKMH 15303	21.5	19.3	21.2	15.8	17.8	17.5	16.5	18.5	16.9	17.1	9.8	13.1	14.2	21.3
63	K-27	20.8	17.9	22.4	21.8	17.8	16.7	17.2	19.1	16.8	18.5	11.3	12.8	14.8	22.2
64	KH 103	21.0	16.0	22.5	17.7	17.1	17.0	17.1	18.3	16.5	18.6	13.8	14.4	15.3	22.1
65	KMH 16-1	19.9	15.4	19.8	15.6	16.9	13.7	16.4	16.7	16.0	15.2	9.9	14.5	13.7	19.7
66	KMH 16-2	20.3	16.6	20.6	15.5	16.4	16.0	16.3	17.4	16.9	13.4	9.6	14.5	13.7	20.3
67	KMH 16-25	19.2	13.2	20.7	15.5	15.7	15.2	16.0	16.4	15.9	12.7	10.8	12.2	12.9	19.7
68	KMH 16-29	18.5	16.4	21.8	14.9	16.1	12.0	15.4	16.4	16.2	14.4	11.4	13.0	13.7	19.8
69	KMH 16-40	17.3	15.3	21.7	15.1	16.0	12.4	15.8	16.3	16.1	12.1	12.0	16.3	14.3	19.4
70	KMH 16-42	17.1	17.6	21.6	14.5	15.8	14.9	15.0	16.7	16.6	13.4	9.9	12.8	13.1	19.6
71	LMH 1017	22.2	14.0	22.9	19.7	17.9	17.4	16.0	18.6	16.6	19.1	12.4	13.1	15.1	21.9
72	LMH 817	21.1	13.7	20.9	14.9	17.6	15.0	15.3	17.0	16.9	14.6	10.4	12.6	13.9	20.6
73	LMH 917	22.1	16.0	23.1	17.7	17.3	16.5	15.8	18.4	16.7	14.6	10.7	14.3	13.9	22.1
74	LMH1117	22.1	17.2	20.7	18.2	17.9	15.9	16.2	18.4	16.8	16.7	10.9	15.1	15.2	21.9
75	MMH 16-11	20.6	13.9	20.0	16.1	15.8	15.2	15.8	16.7	16.6	13.4	11.4	13.2	13.8	20.5
76	MMH 16-12	21.5	15.5	19.7	16.2	16.7	15.5	16.1	17.3	15.4	15.8	11.2	15.7	14.7	20.6

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TABLE No. 2: (Contd.)		Moisture(%)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
77	NMH-4053	22.4	14.8	21.4	19.5	17.8	18.6	16.7	18.8	16.9	16.7	11.7	15.2	15.1	21.4
78	NMH-4139	21.3	15.1	21.7	18.0	17.9	17.4	16.3	18.2	16.9	15.2	14.3	17.6	16.2	21.5
79	NMH-51+	21.1	16.0	20.7	16.8	15.9	15.1	16.9	17.5	16.4	15.9	11.0	15.4	14.5	21.3
80	OMH16-4	19.4	14.3	22.5	18.1	16.7	14.1	16.8	17.5	16.8	15.7	10.8	11.7	13.6	21.1
81	PM17102M	20.8	17.1	23.5	17.2	17.5	16.7	16.5	18.4	16.2	18.6	12.8	14.2	15.4	21.4
82	PM17103M	20.5	13.9	20.6	15.4	15.9	14.2	15.5	16.7	17.3	12.4	11.5	14.3	13.9	20.6
83	RCRMH 4-1	20.6	15.4	23.3	17.3	17.4	14.3	15.3	17.6	17.1	17.7	10.9	18.8	16.3	21.7
84	RCRMH3(CAH156)	21.6	16.1	21.1	17.5	16.6	16.4	16.4	17.9	16.7	17.5	11.5	14.7	15.1	21.4
85	REH 2013-15	19.6	18.9	21.9	17.2	18.2	17.9	15.8	18.5	16.2	18.4	10.4	16.1	15.5	22.5
86	REH 2013-21	21.1	18.7	20.7	17.3	17.8	16.5	15.6	18.3	16.7	15.8	10.6	18.2	15.2	21.9
87	STAR-X-14	21.7	16.0	21.7	19.1	17.8	16.9	15.6	18.3	16.5	18.4	12.8	14.3	15.3	22.0
88	STAR-X-16	19.6	16.4	19.9	16.1	17.7	15.7	16.7	17.3	16.7	14.4	8.6	13.0	13.4	20.4
89	STAR-X-18	21.7	17.1	23.0	18.8	17.6	17.1	17.0	18.9	16.6	15.5	11.2	14.0	14.6	21.8
90	STAR-X-20	19.9	18.5	22.1	17.3	17.9	14.8	16.3	18.2	15.9	14.7	10.7	14.9	13.9	21.0
91	SYN716725	21.2	15.2	21.0	17.2	16.9	15.6	16.0	17.5	16.6	19.0	12.4	12.7	15.3	21.6
92	UDMH-131	15.4	18.3	21.5	17.9	14.0	14.3	14.9	16.6	16.1	15.1	9.2	13.5	13.8	.
93	UDMH-132	16.6	18.9	20.8	15.7	15.5	15.5	15.8	17.1	16.2	12.8	10.9	13.0	12.8	19.6
94	VaMH 15005	21.1	18.2	21.5	15.3	16.4	16.2	15.6	17.7	17.0	13.3	12.1	12.8	14.2	20.7
95	VaMH 15036	21.4	15.0	23.4	17.5	17.7	16.5	17.0	18.3	16.3	15.4	10.6	17.9	15.2	21.6
96	WH-1010	20.3	14.2	20.7	14.8	16.3	16.3	15.4	16.8	16.3	17.2	10.4	14.2	14.5	20.4
97	WH-1094	19.8	14.6	21.9	16.4	18.6	14.6	16.1	17.3	17.2	17.0	14.3	16.3	15.9	21.1
98	CMH 08-292 (C)	21.2	15.4	21.4	16.8	16.6	16.6	16.7	17.9	17.4	17.0	13.4	14.4	15.9	22.0
99	BIO 9544 (C)	21.6	15.1	22.5	18.7	18.2	16.9	16.7	18.6	17.0	18.4	13.2	14.5	15.5	22.5
100	DHM 121 (C)	17.6	21.4	21.6	18.3	16.9	15.3	8.3	17.2	8.2	14.9	11.8	16.3	13.0	.
	Location Mean	20.6	15.6	21.4	17.0	17.1	15.8	16.2	17.7	16.5	16.3	11.7	14.3	14.7	21.1
	CV (%)	5.4	10.9	5.3	5.1	3.3	6.5	6.1	6.2	5.4	22.2	20.3	11.9	16.1	7.3
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00
	CD (5%)	1.8	2.8	1.8	1.4	0.9	1.7	1.6	0.7	1.4	5.9	3.8	2.8	2.0	0.5
	CD (1%)	2.4	3.6	2.4	1.8	1.2	2.2	2.1	0.9	1.9	7.7	5.1	3.6	2.6	0.7

TABLE No. 2:

Days to 50% Pollen Shed

Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	16402-008-01-01-03-5-2	55.3	58.9	55.3	54.1	56.0	51.2	54.7	.	.	58.2	50.5	55.7	.	53.8	53.6	.
2	ADV 140187	59.6	54.5	56.4	56.6	56.7	52.9	54.6	60.8	56.1	57.6	48.4	55.7	59.0	54.2	57.5	55.5
3	ADV 140235	58.3	52.4	56.3	55.6	55.7	51.7	54.5	58.5	54.7	58.0	47.9	54.3	57.0	55.1	57.5	55.0
4	AH 6007	54.7	55.6	56.0	53.1	54.8	50.1	53.3	54.9	52.8	55.6	46.6	52.3	59.0	50.8	54.1	53.0
5	AH 6008	54.9	51.4	51.6	52.2	52.5	46.4	50.5	57.0	51.1	52.7	47.4	51.6	54.3	49.7	51.6	51.2
6	AH 6009	54.3	51.9	52.4	52.2	52.7	48.9	49.9	55.7	51.5	54.4	50.0	51.5	57.5	51.1	54.7	53.3
7	AH 6017	54.8	51.4	50.6	52.0	52.4	49.6	52.3	57.0	52.8	53.4	47.8	52.9	58.2	51.5	52.6	52.7
8	AH-1606	55.3	56.5	54.3	53.9	55.1	50.9	52.5	56.8	53.4	56.1	49.4	52.0	59.1	54.5	55.2	54.3
9	AH-7067R	51.6	50.2	49.0	51.7	50.7	46.9	51.6	52.4	50.4	55.6	45.7	52.2	53.4	50.2	53.9	51.9
10	AMH-14258	59.1	53.5	58.0	55.9	56.6	49.7	54.8	60.7	55.3	58.0	46.9	54.8	56.5	56.8	58.1	55.0
11	BH 415012	52.6	50.8	51.2	52.6	51.8	45.1	52.5	52.0	49.9	53.1	46.1	50.9	58.1	48.8	51.3	51.5
12	BH 415100	54.0	51.8	49.4	52.1	51.9	45.0	51.7	54.4	50.2	54.4	46.3	51.2	55.2	51.2	52.8	51.9
13	BH 415158	55.3	53.4	55.4	53.9	54.6	48.6	50.9	57.9	52.4	55.1	49.0	51.5	55.5	54.2	55.3	53.5
14	BLH 117	61.9	57.1	60.3	56.4	59.0	51.1	55.9	60.4	55.8	56.2	46.3	55.1	61.2	56.7	59.5	55.9
15	BLH 118	56.1	56.0	54.0	55.1	55.3	52.1	52.0	53.4	52.7	58.3	48.8	53.9	58.6	52.7	55.4	54.5
16	BLH 119	58.8	53.2	56.5	53.9	55.5	52.0	55.5	58.2	55.3	55.1	47.5	56.7	59.3	53.9	57.1	54.8
17	BLH 120	59.4	53.4	56.6	54.0	55.9	53.4	55.2	57.2	55.1	56.8	46.4	55.4	54.6	54.8	56.4	54.2
18	BLH 121	61.3	56.8	55.9	56.3	57.4	53.1	56.0	58.5	55.8	55.2	47.8	55.1	57.8	55.4	58.1	54.9
19	BLH 122	54.6	55.3	53.5	53.8	54.4	48.5	54.3	57.5	53.4	55.2	47.0	55.1	55.0	50.6	53.9	53.0
20	BRMH-10 (CAH-1566)	56.0	51.4	53.8	53.4	53.7	48.9	53.0	53.7	51.9	55.8	47.4	51.7	54.8	54.3	56.8	53.4
21	CCH 1818	57.4	53.9	56.5	54.0	55.5	51.6	56.3	58.4	55.6	58.1	47.9	55.0	57.8	56.5	57.0	55.4
22	DAS-MH-311	55.4	53.6	55.6	53.5	54.6	48.3	51.7	58.0	52.7	56.7	46.4	51.9	56.8	52.8	53.9	53.1
23	DH-314	55.7	50.8	55.3	53.9	53.9	51.4	52.8	57.1	53.7	55.9	46.3	52.1	56.4	52.3	54.2	52.8
24	DKC7181 (IR8003)	55.8	53.5	53.9	52.9	53.9	51.2	54.4	59.0	54.8	56.9	46.2	53.7	59.2	55.1	57.2	54.6
25	DKC8181 (IR8004)	52.9	53.0	54.5	54.2	53.7	50.1	52.8	58.7	54.0	55.9	48.8	53.3	54.3	50.7	54.9	53.0
26	EH 2870	55.9	57.1	54.5	54.9	55.6	53.1	54.8	58.5	55.6	58.5	46.3	54.1	59.5	56.7	57.0	55.5
27	EH 2898	56.5	51.4	57.0	54.0	54.8	53.1	52.0	58.2	54.5	58.7	46.6	52.0	59.2	54.9	57.0	54.9
28	GH 160295	59.0	53.6	58.2	54.3	56.1	50.7	55.7	60.4	55.6	57.7	46.2	53.6	59.2	54.8	57.6	54.9
29	GIN-03	55.1	51.8	52.0	54.0	53.2	49.7	50.4	57.9	52.9	56.2	47.4	53.0	56.0	51.8	55.4	53.3
30	GK 3213	54.8	51.4	51.8	52.0	52.6	50.3	52.0	56.4	52.9	54.8	47.1	52.7	55.2	53.2	52.1	52.7
31	GK 3215	53.6	52.3	52.3	52.0	52.6	48.2	52.5	58.4	53.2	53.9	46.3	52.1	55.5	51.7	53.1	52.1
32	HKH 361	54.9	52.3	54.7	53.8	54.0	51.2	52.0	55.9	53.2	55.8	51.3	53.3	56.5	53.4	55.5	54.4
33	HKH 362	55.3	50.8	53.2	53.6	53.3	49.1	52.8	52.8	51.4	57.1	49.5	53.2	58.0	54.3	54.5	54.4
34	HKH 363	55.6	52.0	52.8	52.1	53.1	48.6	50.9	54.0	51.2	56.5	46.4	51.2	55.0	51.2	57.2	52.9
35	HKH 364	56.3	55.9	53.1	53.8	54.8	49.8	52.9	57.2	53.5	56.5	50.0	52.5	59.1	54.9	56.4	54.8
36	IIMRNH 1702	57.4	50.4	55.2	54.1	54.2	48.0	54.7	56.4	53.0	54.4	49.8	53.8	58.5	52.8	54.2	53.8
37	IMHBG-17K-1	57.0	52.0	53.2	52.6	53.5	47.1	51.5	55.9	51.7	56.7	48.1	50.7	57.5	51.2	55.3	53.1
38	IMHBG-17K-10	56.4	54.1	56.5	54.8	55.7	51.8	54.6	56.0	54.0	57.1	46.8	55.1	57.4	55.4	57.3	54.8

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TABLE No. 2:		Days to 50% Pollen Shed															
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
39	IMHBG-17K-11	58.6	52.7	59.0	55.0	56.2	48.3	55.6	58.1	54.0	56.3	47.0	53.2	59.6	53.8	53.9	54.0
40	IMHBG-17K-12	59.0	50.5	57.7	55.2	55.6	53.1	56.3	56.9	55.5	58.6	49.0	54.9	58.0	54.3	55.6	55.1
41	IMHBG-17K-13	56.8	51.3	53.7	53.4	53.8	47.9	53.5	55.4	52.4	54.0	46.7	50.9	57.0	54.4	55.6	52.9
42	IMHBG-17K-14	59.1	51.4	56.6	55.9	55.7	52.5	55.4	60.8	56.1	58.2	47.5	54.6	56.9	55.6	57.4	55.1
43	IMHBG-17K-15	57.7	54.2	58.6	53.6	55.9	48.0	53.6	56.8	52.8	54.7	48.2	51.4	58.5	52.5	55.5	53.4
44	IMHBG-17K-16	58.3	53.7	53.5	55.3	55.3	51.0	52.0	61.1	54.6	55.0	46.7	53.6	59.5	53.5	54.6	54.0
45	IMHBG-17K-17	58.1	51.1	55.7	54.6	54.8	50.2	55.4	57.5	54.3	57.1	49.7	54.1	59.4	53.7	54.4	54.7
46	IMHBG-17K-18	59.4	54.0	57.7	56.0	56.9	51.6	55.4	58.7	55.4	57.4	47.5	54.2	61.3	56.3	58.7	55.9
47	IMHBG-17K-19	60.3	57.2	56.7	56.1	57.7	53.7	54.6	55.3	54.4	58.4	47.8	55.8	60.3	54.9	57.6	55.9
48	IMHBG-17K-2	54.5	53.4	52.3	52.4	53.0	47.4	49.8	52.8	49.9	53.6	47.0	51.7	54.9	49.0	51.4	51.3
49	IMHBG-17K-21	57.2	54.3	56.7	54.5	55.8	51.0	55.1	54.4	53.5	58.1	47.4	55.5	57.4	56.3	56.0	55.0
50	IMHBG-17K-22	57.2	55.7	55.3	53.2	55.3	50.6	53.7	55.0	53.0	56.7	46.9	52.0	59.0	53.3	55.5	53.9
51	IMHBG-17K-3	56.4	53.0	54.5	53.0	54.1	47.9	52.8	57.6	52.6	52.4	48.4	53.5	57.7	54.0	54.1	53.5
52	IMHBG-17K-4	55.9	56.3	53.3	53.9	55.0	51.2	55.3	58.3	54.9	55.9	45.3	53.9	62.9	57.5	55.5	55.3
53	IMHBG-17K-5	59.9	55.5	56.4	55.2	56.8	52.1	53.2	57.1	54.1	55.4	48.3	54.1	60.1	57.4	58.4	55.8
54	IMHBG-17K-6	60.8	52.9	59.1	56.1	57.2	52.3	54.6	56.2	54.4	58.7	46.7	55.2	61.4	55.6	59.2	56.2
55	IMHBG-17K-7	56.4	54.1	54.6	55.2	55.0	50.4	54.5	56.4	53.9	57.8	47.3	52.8	59.1	55.2	57.4	55.0
56	IMHBG-17K-8	61.8	56.8	56.5	56.1	58.0	52.6	54.6	59.9	55.6	58.9	46.9	56.2	64.3	56.1	59.3	56.9
57	IMHBG-17K-9	55.0	52.4	54.0	53.5	53.8	51.3	54.3	54.2	53.3	54.8	48.2	52.6	57.6	54.0	57.5	54.0
58	JASL-2033	53.9	51.0	51.2	51.8	51.8	44.2	50.0	56.9	50.3	52.4	47.6	52.3	56.1	51.3	52.1	52.2
59	JH 16029	55.4	54.8	53.1	54.0	54.4	51.6	51.0	58.2	53.6	56.6	47.2	52.4	59.6	55.6	55.8	54.6
60	JH 16045	55.7	53.0	54.9	55.3	54.8	49.0	52.3	55.3	52.0	57.1	48.8	53.1	56.6	52.8	55.3	53.9
61	JH 32055	54.8	52.9	54.2	51.9	53.6	47.3	50.5	55.7	51.3	53.7	47.7	53.4	57.3	52.1	54.5	53.0
62	JKMH 15303	56.1	52.9	54.5	53.0	54.0	48.0	51.2	55.2	51.5	55.2	46.3	51.6	55.0	52.1	53.9	52.5
63	K-27	55.3	50.8	55.0	53.2	53.5	50.0	53.2	57.7	53.6	54.8	46.8	52.4	56.3	51.8	56.4	53.0
64	KH 103	56.0	50.7	53.8	53.6	53.5	50.3	51.8	53.8	52.0	52.9	48.4	52.3	55.6	52.7	53.9	52.6
65	KMH 16-1	49.5	49.6	46.9	50.8	49.1	44.6	48.5	51.8	48.4	50.2	48.9	50.2	50.5	47.8	49.1	49.4
66	KMH 16-2	52.1	51.7	49.3	53.1	51.8	44.3	50.2	55.4	50.0	53.1	50.7	50.8	55.1	48.6	51.0	51.7
67	KMH 16-25	53.1	49.6	45.4	52.9	50.2	43.3	48.0	52.0	47.9	53.2	47.8	50.5	51.4	46.5	48.6	49.5
68	KMH 16-29	46.5	50.1	46.0	50.3	48.1	45.4	47.7	50.7	47.9	49.6	46.6	47.7	50.4	44.0	46.2	47.5
69	KMH 16-40	48.4	52.0	46.8	51.9	49.6	45.2	47.8	52.5	48.4	49.1	46.7	49.5	49.2	47.0	45.6	48.0
70	KMH 16-42	46.9	51.2	47.6	51.2	49.2	44.8	48.7	51.0	48.1	49.7	48.3	48.5	53.4	45.8	48.2	49.1
71	LMH 1017	55.4	55.6	53.8	54.5	54.9	49.8	55.1	56.8	53.8	55.5	46.5	52.0	58.3	56.0	57.7	54.4
72	LMH 817	53.8	52.1	52.7	51.5	52.4	46.6	53.1	60.9	53.6	50.9	48.0	51.8	56.9	52.6	53.8	52.3
73	LMH 917	56.6	52.3	57.9	54.4	55.3	52.0	56.0	58.6	55.7	56.9	47.8	57.3	61.0	57.1	57.8	56.3
74	LMH1117	55.1	51.9	54.8	52.5	53.4	47.5	53.8	56.8	52.7	55.5	48.2	52.6	56.7	53.5	55.8	53.9
75	MMH 16-11	54.0	49.4	52.4	53.1	52.4	47.1	51.0	55.1	50.9	54.3	47.1	50.9	56.0	50.9	53.1	52.0
76	MMH 16-12	54.7	50.6	52.6	52.3	52.6	46.1	51.1	57.1	51.3	55.3	46.0	51.1	55.1	52.5	52.3	52.1

TABLE No. 2: Days to 50% Pollen Shed																	
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
77	NMH-4053	57.1	51.8	53.7	54.9	54.3	51.4	53.2	58.0	54.2	57.1	48.2	53.4	57.2	52.9	55.1	54.0
78	NMH-4139	55.9	51.4	56.3	53.5	54.2	49.5	52.8	60.1	54.1	54.6	46.9	52.8	56.9	52.1	53.6	53.0
79	NMH-51+	51.6	51.4	54.3	53.6	52.9	47.8	50.1	55.5	51.0	54.3	46.7	52.8	54.8	53.1	54.1	52.6
80	OMH16-4	56.4	52.1	55.1	55.3	54.7	48.3	53.4	56.3	52.5	55.3	47.2	54.1	56.4	55.2	55.9	54.0
81	PM17102M	52.4	50.3	51.8	51.2	51.4	48.1	51.4	53.8	51.0	53.2	46.8	51.2	53.5	49.3	51.7	50.9
82	PM17103M	54.0	52.6	50.9	53.7	52.8	48.1	51.9	57.3	52.4	55.0	49.1	53.3	57.3	51.5	52.6	53.1
83	RCRMH 4-1	55.4	51.8	55.5	55.1	54.5	51.8	54.4	53.9	53.3	56.5	46.8	54.0	58.6	53.7	57.2	54.4
84	RCRMH3(CAH156)	56.6	49.8	55.0	53.7	53.7	51.4	53.0	56.6	53.9	56.1	49.9	52.8	59.2	54.1	55.7	54.6
85	REH 2013-15	59.1	54.3	57.5	55.9	56.6	51.5	56.2	59.1	55.5	58.8	45.9	55.7	59.1	57.6	59.0	55.9
86	REH 2013-21	56.7	54.3	56.7	54.6	55.6	51.5	54.5	57.7	54.5	57.6	49.0	55.0	57.6	53.2	56.7	54.8
87	STAR-X-14	55.4	53.1	51.8	53.6	53.4	48.6	52.1	60.2	53.7	53.7	46.2	53.1	55.2	51.2	54.3	52.3
88	STAR-X-16	54.5	52.6	54.2	53.7	53.7	47.0	52.5	56.9	52.2	53.2	47.5	51.1	57.9	50.6	53.5	52.1
89	STAR-X-18	54.7	49.2	52.5	53.1	52.4	47.7	52.9	57.0	52.6	55.8	49.7	52.7	56.4	50.2	52.9	52.9
90	STAR-X-20	54.0	52.5	50.7	51.4	52.0	45.6	51.1	55.8	50.7	53.1	47.9	50.1	56.0	50.7	51.0	51.4
91	SYN716725	58.9	53.1	56.7	55.7	56.2	51.3	53.5	58.7	54.7	57.4	46.5	50.7	56.5	55.0	57.1	53.8
92	UDMH-131	49.9	51.7	49.8	51.3	50.7	45.0	48.4	55.1	49.5	53.9	47.1	49.6	53.7	47.6	50.4	50.3
93	UDMH-132	46.7	51.1	47.4	50.3	48.9	44.1	47.3	52.1	47.7	54.1	49.7	46.1	50.5	44.8	46.8	48.5
94	VaMH 15005	50.9	51.9	53.3	50.8	51.7	46.9	50.5	56.8	51.4	53.3	46.2	50.4	54.9	51.7	54.0	51.7
95	VaMH 15036	54.6	55.1	54.6	53.4	54.5	48.8	52.0	57.7	52.7	56.6	47.9	50.8	57.4	51.7	53.3	52.8
96	WH-1010	50.4	51.8	49.9	51.9	51.0	46.5	48.3	54.3	49.7	50.4	47.6	51.6	53.4	49.5	51.1	50.7
97	WH-1094	56.2	51.9	54.9	55.4	54.6	50.7	53.5	58.0	53.9	56.6	46.7	53.6	57.5	53.5	55.9	53.7
98	CMH 08-292 (C)	55.4	53.9	55.3	54.2	54.7	49.3	52.3	56.1	52.7	56.4	47.9	52.9	56.5	54.3	57.1	54.1
99	BIO 9544 (C)	57.6	54.5	56.2	55.5	55.9	52.1	54.8	57.6	54.9	54.8	46.5	53.5	58.6	54.8	57.3	54.3
100	DHM 121 (C)	57.7	59.5	54.6	54.5	56.5	49.9	56.3	59.4	55.2	55.2	44.7	55.8	66.5	55.5	53.8	55.4
	Location Mean	55.6	52.9	54.0	53.7	53.9	49.3	52.8	56.6	52.9	55.4	47.6	52.8	57.1	52.9	54.7	53.3
	CV (%)	1.7	4.3	3.4	2.2	3.2	2.9	3.2	3.4	3.2	3.6	5.2	3.4	3.8	3.3	2.3	3.7
	F (Prob)	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.98	0.00	0.00	0.00	0.00	1.00
	CD (5%)	1.5	3.7	2.9	1.9	1.5	2.3	2.7	3.1	1.6	3.2	4.0	2.9	3.5	2.8	2.0	1.4
	CD (1%)	2.0	4.9	3.9	2.5	2.0	3.1	3.6	4.1	2.2	4.2	5.3	3.9	4.6	3.7	2.7	1.9

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TABLE No. 2: (Contd.)		Days to 50% Pollen Shed													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India Mean
		Coimbatore Mean	Dharwad Mean	Hyderabad Mean	Karimnagar Mean	Mandya Mean	Rahuri Mean	Vagarai Mean	Zone4 Mean	Banswara Mean	Chindwara Mean	Jhabua Mean	Udaipur Mean	Zone5 Mean	
1	16402-008-01-01-03-5-2	55.3	61.1	57.5	53.5	51.4	54.4	51.5	54.8	31.6	59.5	55.1	59.4	51.4	.
2	ADV 140187	53.6	61.2	54.2	52.4	53.8	54.5	52.9	54.6	47.1	60.9	54.5	57.5	55.0	55.4
3	ADV 140235	54.4	61.7	56.1	53.1	53.8	56.0	53.4	55.5	50.0	61.3	54.3	59.8	56.3	55.5
4	AH 6007	51.5	59.6	51.6	50.8	53.5	55.9	46.7	52.7	47.4	57.2	52.1	57.3	53.3	53.2
5	AH 6008	49.6	60.8	51.7	51.2	52.6	52.6	47.8	52.2	49.4	56.9	50.1	57.0	53.2	52.0
6	AH 6009	51.7	60.6	51.7	50.7	55.3	54.8	49.7	53.6	48.9	56.6	53.6	58.0	54.3	53.3
7	AH 6017	53.4	62.1	52.8	50.7	52.6	52.1	48.1	53.0	49.8	56.9	53.7	58.8	54.6	53.1
8	AH-1606	53.8	61.5	54.6	52.3	54.2	54.4	50.2	54.3	49.7	57.1	54.9	57.0	54.4	54.4
9	AH-7067R	51.9	60.2	51.0	51.1	49.9	50.4	47.1	51.8	47.9	56.4	49.6	54.1	52.2	51.5
10	AMH-14258	54.0	61.5	56.5	53.9	52.9	54.4	52.3	54.9	48.2	59.2	56.8	60.0	56.0	55.4
11	BH 415012	50.1	61.0	51.7	50.0	52.1	49.4	45.8	51.5	48.7	56.9	50.6	56.1	53.2	51.6
12	BH 415100	50.0	60.2	52.6	50.0	52.0	53.2	48.8	52.3	49.4	57.1	52.8	57.0	53.8	52.1
13	BH 415158	53.0	61.6	54.1	53.4	53.4	54.0	49.9	54.2	49.3	57.6	52.8	56.6	54.4	53.9
14	BLH 117	52.9	62.9	56.4	53.7	54.0	57.0	54.6	55.9	49.9	60.2	58.3	60.7	56.9	56.6
15	BLH 118	54.1	61.2	53.8	53.8	52.3	52.7	50.3	54.0	47.8	57.2	53.8	57.2	53.9	54.2
16	BLH 119	54.3	60.6	56.1	53.2	52.4	55.2	52.3	54.8	48.0	59.9	54.3	59.5	55.7	55.1
17	BLH 120	52.5	60.6	55.1	52.9	52.9	55.1	51.1	54.4	47.2	58.0	56.6	59.0	55.4	54.8
18	BLH 121	54.0	61.4	55.0	53.4	55.8	57.1	52.5	55.7	47.3	60.4	55.0	60.2	56.0	55.8
19	BLH 122	52.3	60.7	52.5	50.7	52.7	54.2	48.8	53.4	47.8	57.7	54.4	57.3	54.5	53.6
20	BRMH-10 (CAH-1566)	53.0	61.1	53.7	52.1	53.2	54.9	53.1	54.3	49.5	58.0	54.6	57.5	54.7	53.8
21	CCH 1818	54.7	60.2	54.5	52.2	53.9	55.9	50.9	54.8	46.4	60.6	55.4	59.5	55.6	55.3
22	DAS-MH-311	53.0	60.8	54.6	53.5	53.4	54.7	49.8	54.3	48.9	57.4	54.0	56.8	54.5	53.9
23	DH-314	53.4	61.1	52.1	52.3	53.1	55.9	51.6	54.3	48.2	58.2	54.0	57.5	54.7	53.8
24	DKC7181 (IR8003)	54.0	60.8	53.1	52.1	53.0	55.5	51.7	54.2	49.3	56.9	54.1	56.5	54.2	54.3
25	DKC8181 (IR8004)	53.3	60.2	54.5	51.0	52.9	53.3	49.7	53.8	48.8	58.8	53.2	56.8	54.1	53.7
26	EH 2870	52.9	61.4	54.1	51.4	53.7	56.1	49.2	54.2	49.0	59.9	55.3	57.2	55.3	55.1
27	EH 2898	51.8	61.9	52.2	51.7	52.4	55.2	49.4	53.5	49.0	59.5	55.5	58.0	55.3	54.5
28	GH 160295	53.4	62.4	55.3	53.8	54.5	55.9	52.7	55.6	46.1	60.3	57.1	59.8	56.1	55.6
29	GIN-03	53.6	60.9	55.3	52.8	52.9	53.9	50.2	54.2	48.3	59.6	54.3	57.5	54.9	53.8
30	GK 3213	50.4	61.0	53.4	51.6	53.3	53.4	49.5	53.1	49.7	56.8	51.0	56.8	53.5	53.0
31	GK 3215	50.7	60.7	55.4	53.8	52.8	53.1	46.3	53.3	47.3	57.1	53.4	58.2	54.1	53.0
32	HKH 361	53.7	60.7	56.9	53.6	53.9	54.4	52.6	55.1	49.8	58.7	54.7	58.4	55.5	54.6
33	HKH 362	53.8	60.4	54.8	51.5	54.0	53.7	50.7	54.2	48.6	58.5	54.1	58.7	55.0	53.9
34	HKH 363	53.6	62.2	56.0	52.8	54.2	55.6	51.7	55.0	50.1	57.2	53.8	58.5	54.4	53.6
35	HKH 364	53.0	60.6	55.2	51.2	53.2	55.3	51.8	54.2	47.3	59.1	54.7	57.2	54.7	54.4
36	IIMRNH 1702	53.5	62.0	53.3	52.5	53.6	54.6	50.2	54.2	46.7	59.3	53.3	58.8	54.7	54.0
37	IMHBG-17K-1	52.6	61.4	54.0	52.0	52.2	53.8	48.0	53.5	47.9	58.2	53.3	56.7	54.0	53.3
38	IMHBG-17K-10	53.8	60.6	53.9	52.0	53.0	54.4	50.7	53.9	46.6	59.6	54.2	59.3	55.2	54.6

TABLE No. 2: (Contd.)		Days to 50% Pollen Shed													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India Mean
		Coimbatore Mean	Dharwad Mean	Hyderabad Mean	Karimnagar Mean	Mandya Mean	Rahuri Mean	Vagarai Mean	Zone4 Mean	Banswara Mean	Chindwara Mean	Jhabua Mean	Udaipur Mean	Zone5 Mean	
39	IMHBG-17K-11	52.9	61.7	55.0	51.4	53.0	53.9	50.9	54.1	50.0	60.2	54.7	58.7	55.3	54.7
40	IMHBG-17K-12	52.3	61.1	53.4	52.1	53.6	55.5	50.6	54.2	48.3	60.4	54.5	59.0	55.6	55.0
41	IMHBG-17K-13	53.7	60.1	52.7	50.8	52.3	52.6	48.2	52.9	47.7	60.0	52.1	55.9	53.8	53.1
42	IMHBG-17K-14	54.0	61.8	55.2	52.3	55.9	56.3	51.7	55.4	50.1	61.1	55.2	61.9	56.9	55.7
43	IMHBG-17K-15	51.8	60.4	55.0	51.6	53.0	53.1	48.4	53.4	48.5	56.8	54.4	58.9	54.6	54.0
44	IMHBG-17K-16	52.7	61.1	53.7	53.4	52.6	54.7	49.8	54.0	49.9	57.7	54.4	58.7	55.1	54.5
45	IMHBG-17K-17	52.0	60.3	52.7	50.7	53.7	55.4	50.1	53.5	50.2	58.2	54.0	59.5	55.0	54.4
46	IMHBG-17K-18	54.1	62.0	54.4	52.7	52.1	55.2	51.4	54.5	49.3	58.9	54.9	59.0	55.7	55.6
47	IMHBG-17K-19	53.6	62.0	55.7	53.1	53.4	56.7	53.8	55.4	51.0	61.9	56.3	58.8	56.9	56.0
48	IMHBG-17K-2	50.5	60.0	52.3	49.3	51.8	52.1	48.3	51.9	49.8	56.3	51.9	57.2	53.4	51.9
49	IMHBG-17K-21	53.7	60.9	54.7	52.3	53.3	55.9	48.6	54.3	47.1	57.2	54.7	58.1	54.3	54.6
50	IMHBG-17K-22	53.1	60.8	54.6	53.2	55.6	54.1	51.7	54.9	47.2	55.9	53.8	58.3	54.1	54.3
51	IMHBG-17K-3	52.6	61.4	52.8	51.0	52.5	53.4	49.8	53.4	48.5	57.0	53.7	56.1	54.0	53.6
52	IMHBG-17K-4	53.4	61.4	54.2	50.4	53.9	54.2	47.9	53.6	50.2	57.9	56.2	59.5	56.0	54.8
53	IMHBG-17K-5	53.6	60.8	54.2	52.0	55.8	56.3	51.3	54.9	49.3	59.2	55.0	59.6	56.1	55.5
54	IMHBG-17K-6	53.7	61.5	55.7	51.2	55.2	55.5	50.5	54.9	48.3	60.7	55.8	59.5	56.3	55.8
55	IMHBG-17K-7	52.7	60.4	53.2	51.2	52.8	55.2	48.2	53.5	48.9	57.0	54.4	58.0	54.2	54.3
56	IMHBG-17K-8	54.0	60.9	55.8	55.0	54.4	57.8	52.4	55.7	48.5	61.2	57.8	59.1	56.8	56.5
57	IMHBG-17K-9	54.5	61.2	55.9	51.6	53.7	54.0	49.6	54.2	47.6	58.3	54.7	59.8	55.1	54.1
58	JASL-2033	52.4	61.1	52.5	50.6	54.0	53.3	49.1	53.3	47.6	58.7	50.2	57.0	53.4	52.4
59	JH 16029	52.8	61.0	53.0	50.4	53.9	54.4	47.0	53.1	47.7	57.2	53.3	57.5	54.2	53.9
60	JH 16045	53.6	61.4	53.9	51.2	54.0	54.9	52.0	54.5	48.8	58.3	54.3	56.1	54.5	54.1
61	JH 32055	52.8	60.7	53.3	51.9	54.7	53.9	49.7	53.7	47.7	57.4	52.4	56.8	53.5	53.2
62	JKMH 15303	54.1	60.4	53.9	52.1	54.3	53.6	51.2	54.3	49.3	57.3	53.2	56.3	53.8	53.4
63	K-27	53.0	60.3	52.8	51.1	52.9	52.2	47.0	52.8	49.5	56.9	53.3	57.9	54.1	53.3
64	KH 103	53.3	59.6	52.8	50.9	52.7	54.9	50.8	53.6	48.0	57.5	53.9	58.0	54.2	53.2
65	KMH 16-1	48.5	60.6	51.1	50.5	51.0	47.5	46.7	50.8	48.0	55.3	48.9	54.5	51.9	50.0
66	KMH 16-2	49.8	60.3	53.2	50.5	50.6	52.3	47.0	52.1	46.4	56.4	51.9	55.0	52.6	51.8
67	KMH 16-25	49.2	60.4	51.2	51.4	51.0	48.4	46.4	51.0	48.3	56.0	49.5	54.9	52.1	50.3
68	KMH 16-29	48.8	60.9	49.3	48.2	47.2	48.4	46.2	49.8	49.2	55.1	47.6	53.6	51.1	48.9
69	KMH 16-40	49.0	60.2	50.6	50.2	47.7	47.8	45.6	50.2	47.0	55.6	47.4	52.1	50.7	49.4
70	KMH 16-42	49.2	60.6	50.8	50.7	48.6	50.6	45.7	50.9	48.2	55.0	48.5	52.2	51.3	49.9
71	LMH 1017	53.3	61.7	52.8	50.9	53.0	55.2	48.9	53.7	48.4	57.4	53.9	59.2	55.0	54.3
72	LMH 817	50.0	60.4	52.6	50.5	52.1	52.4	47.3	52.3	47.2	55.1	53.1	57.4	53.1	52.6
73	LMH 917	55.1	60.6	58.1	55.1	53.5	55.3	50.3	55.4	48.9	62.6	54.3	58.7	56.0	55.8
74	LMH1117	51.9	61.9	54.3	51.5	51.6	53.2	48.3	53.5	47.1	56.3	52.0	57.8	53.4	53.5
75	MMH 16-11	51.4	61.4	53.0	51.9	51.2	52.3	47.6	52.6	51.0	57.2	51.8	57.8	54.3	52.5
76	MMH 16-12	50.9	60.9	51.7	50.0	52.3	53.3	47.9	52.6	45.6	56.7	50.6	53.0	51.6	52.1

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TABLE No. 2: (Contd.)		Days to 50% Pollen Shed													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
77	NMH-4053	54.5	60.7	53.1	51.4	52.1	54.9	52.6	54.2	49.1	58.5	54.9	59.0	54.9	54.3
78	NMH-4139	54.0	62.5	56.0	52.4	50.5	55.3	51.7	54.6	47.3	58.0	54.6	57.1	54.3	54.0
79	NMH-51+	52.2	60.5	52.9	51.8	52.5	53.4	50.0	53.3	49.0	57.2	51.0	56.8	53.4	52.8
80	OMH16-4	52.5	60.9	54.8	51.8	53.7	53.7	49.1	53.9	48.8	56.9	52.6	58.7	54.2	54.0
81	PM17102M	51.4	60.2	49.8	50.9	50.8	52.0	47.8	52.0	47.6	55.3	51.1	56.6	52.7	51.6
82	PM17103M	52.6	60.4	53.9	52.0	52.9	52.0	48.6	53.3	48.1	55.5	52.9	57.3	53.8	53.1
83	RCRMH 4-1	54.3	61.7	51.9	49.8	50.8	53.8	49.3	53.0	47.9	56.8	53.6	60.2	54.9	53.9
84	RCRMH3(CAH156)	53.6	60.1	53.7	51.4	53.4	53.9	50.3	53.8	48.6	58.0	53.0	59.5	54.8	54.2
85	REH 2013-15	54.3	62.5	55.1	52.3	52.9	55.3	52.2	55.0	47.5	61.4	55.9	60.3	56.2	55.8
86	REH 2013-21	53.7	61.9	54.3	52.2	53.6	53.8	52.3	54.5	49.6	60.6	54.5	59.5	55.7	55.0
87	STAR-X-14	52.7	61.9	53.4	51.5	52.2	54.7	49.4	53.6	49.2	58.3	54.2	57.3	54.6	53.4
88	STAR-X-16	52.3	61.4	52.3	50.9	51.7	54.7	50.3	53.3	48.0	55.4	53.7	56.7	53.7	53.0
89	STAR-X-18	51.9	60.0	53.8	51.9	54.1	54.2	49.3	53.7	48.4	57.1	52.3	57.6	53.8	53.1
90	STAR-X-20	51.8	60.3	53.7	51.4	50.5	52.1	48.6	52.6	48.2	56.5	53.5	54.2	53.1	52.0
91	SYN716725	54.0	60.6	53.3	52.7	53.6	54.1	49.5	53.9	47.8	60.0	57.1	59.0	56.2	54.7
92	UDMH-131	51.0	60.1	51.3	50.5	48.5	49.6	46.5	51.2	48.4	55.3	49.2	54.6	51.9	50.8
93	UDMH-132	48.5	59.8	51.1	51.5	49.0	46.7	44.9	50.2	48.5	53.9	47.3	51.9	50.5	49.3
94	VaMH 15005	50.7	60.2	51.5	52.0	53.5	53.6	46.1	52.5	48.7	56.5	52.5	56.5	53.8	52.2
95	VaMH 15036	51.4	60.5	53.3	52.1	53.9	52.0	49.1	53.1	48.5	55.5	52.8	56.4	53.3	53.3
96	WH-1010	49.9	59.6	52.8	51.0	49.0	51.4	47.2	51.5	49.0	55.8	49.7	56.5	52.7	51.2
97	WH-1094	53.6	61.6	54.5	51.5	54.7	54.4	52.4	54.5	48.7	58.9	53.5	57.9	55.0	54.3
98	CMH 08-292 (C)	51.3	61.2	52.9	51.3	53.2	54.4	49.2	53.3	46.5	56.3	52.9	57.6	53.5	53.6
99	BIO 9544 (C)	52.5	60.7	53.9	52.2	54.1	54.0	49.6	53.9	48.6	56.6	56.2	57.3	54.6	54.6
100	DHM 121 (C)	54.3	61.8	57.3	51.0	54.0	55.7	33.9	52.7	33.2	59.7	51.2	58.5	50.3	54.0
	Location Mean	52.6	61.0	53.7	51.8	52.8	53.8	49.5	53.6	48.1	57.9	53.4	57.6	54.3	53.6
	CV (%)	2.1	1.5	2.9	3.2	3.5	2.3	6.7	3.4	8.6	2.6	3.3	2.8	4.6	3.7
	F (Prob)	0.00	0.01	0.00	0.04	0.00	0.00	0.00	1.00	0.54	0.00	0.00	0.00	1.00	1.00
	CD (5%)	1.7	1.5	2.5	2.6	3.0	2.0	5.4	1.1	6.7	2.4	2.8	2.6	2.1	0.7
	CD (1%)	2.3	2.0	3.3	3.5	3.9	2.6	7.1	1.5	8.8	3.2	3.7	3.4	2.7	0.9

TABLE No. 2: Days to 50% Silking																	
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura Mean	Gossaingaon Mean	Kangra Mean	Udhampur Mean	Zone1 Mean	Karnal Mean	Ludhiana Mean	Pantnagar Mean	Zone2 Mean	Baharaich Mean	Bhubaneswar Mean	Dholi Mean	Ranchi Mean	Sabour Mean	Varanasi Mean	Zone3 Mean
1	16402-008-01-01-03-5-2	59.7	65.0	59.3	58.9	60.8	53.9	56.6	.	.	60.1	52.8	58.6	.	58.9	58.8	.
2	ADV 140187	62.8	60.9	60.0	60.0	60.8	55.4	56.6	63.9	58.7	59.9	51.1	58.3	65.0	59.7	63.6	60.0
3	ADV 140235	61.5	57.9	59.9	59.5	59.7	54.3	56.5	61.2	57.2	60.1	50.6	57.3	61.0	61.0	61.2	58.6
4	AH 6007	57.2	60.4	59.7	55.6	58.2	53.1	55.2	57.3	55.3	57.7	49.4	53.9	63.4	54.0	57.3	56.0
5	AH 6008	58.2	57.8	55.7	55.0	56.6	49.0	52.1	60.0	53.5	54.1	49.6	52.1	58.7	54.5	55.8	54.1
6	AH 6009	57.3	57.4	56.6	55.7	56.7	51.4	52.2	58.1	53.9	56.2	53.1	53.1	66.5	55.1	58.2	57.1
7	AH 6017	57.2	55.8	54.7	55.4	56.0	52.5	53.9	59.8	55.3	55.1	50.3	53.7	51.2	57.5	57.3	54.1
8	AH-1606	57.0	61.8	58.2	56.9	58.8	54.0	54.4	59.6	56.0	57.7	51.8	52.3	63.3	58.3	57.5	56.8
9	AH-7067R	54.5	56.6	52.0	54.7	54.5	49.3	53.2	55.5	52.8	58.3	48.5	51.9	58.9	55.6	58.4	55.2
10	AMH-14258	60.5	59.1	61.6	59.1	60.2	52.5	57.0	63.4	57.8	60.4	49.6	57.5	67.4	65.8	62.4	60.4
11	BH 415012	55.7	57.0	54.8	56.0	55.9	47.6	54.4	54.9	52.4	54.4	48.9	53.1	62.1	53.3	56.2	54.6
12	BH 415100	56.9	57.3	52.3	56.0	55.7	48.2	53.7	57.1	52.8	56.6	49.8	55.0	63.4	55.3	57.0	56.1
13	BH 415158	57.4	58.7	59.0	56.7	58.0	51.5	52.4	60.7	54.9	56.9	50.9	52.1	60.7	58.6	58.9	56.3
14	BLH 117	65.6	62.6	63.6	59.8	62.8	53.4	57.9	63.5	58.2	58.8	49.1	58.8	65.3	64.0	64.0	60.0
15	BLH 118	59.4	60.9	58.1	58.1	59.2	54.7	54.6	56.4	55.4	60.5	51.8	55.4	64.5	57.6	61.0	58.3
16	BLH 119	61.4	59.0	59.6	57.0	59.3	53.9	57.4	61.2	57.6	57.0	49.7	59.5	63.9	62.0	62.3	59.0
17	BLH 120	62.1	59.4	60.0	57.8	59.8	56.4	57.1	59.1	57.4	59.0	49.5	57.5	60.9	60.8	60.6	58.0
18	BLH 121	62.9	62.1	59.7	59.6	61.0	55.3	57.9	60.7	58.0	56.9	50.2	57.5	65.2	64.4	60.8	59.1
19	BLH 122	57.0	61.2	57.1	57.2	58.1	51.4	56.2	59.8	55.9	56.6	48.5	57.1	59.5	57.0	59.5	56.4
20	BRMH-10 (CAH-1566)	58.5	56.6	56.9	56.5	57.1	51.8	54.7	56.8	54.4	57.7	50.8	53.4	60.1	60.3	60.2	57.0
21	CCH 1818	60.2	59.8	60.4	56.8	59.4	54.2	58.3	61.4	58.1	60.4	50.7	56.1	63.1	61.8	62.3	59.0
22	DAS-MH-311	57.6	59.6	59.0	56.4	58.2	51.4	53.6	60.7	55.2	58.6	49.1	53.0	62.4	57.1	57.1	56.2
23	DH-314	58.5	56.5	58.9	57.6	57.8	54.2	54.5	60.1	56.2	58.2	49.1	52.6	61.6	56.1	58.5	56.0
24	DKC7181 (IR8003)	57.6	59.4	56.7	56.5	57.5	53.9	56.4	61.5	57.3	58.8	48.7	55.5	63.5	59.9	60.3	57.8
25	DKC8181 (IR8004)	55.2	59.4	58.1	57.6	57.6	53.1	54.8	61.4	56.5	58.4	51.4	57.1	58.5	55.1	60.5	56.8
26	EH 2870	57.7	62.0	57.9	58.1	58.9	55.9	56.7	60.9	58.0	61.3	48.4	55.4	66.0	64.6	60.7	59.4
27	EH 2898	58.9	57.1	60.6	56.9	58.3	55.4	53.6	61.0	56.8	60.6	49.4	54.2	63.8	58.9	61.7	58.5
28	GH 160295	61.9	59.1	62.0	58.4	60.1	53.3	57.6	63.1	58.0	59.3	48.9	57.5	65.3	61.4	64.6	59.5
29	GIN-03	59.0	57.8	55.3	56.9	57.1	52.3	52.0	60.3	55.1	58.2	50.0	54.9	61.0	55.7	63.4	57.6
30	GK 3213	57.7	57.0	55.6	55.0	56.5	52.9	53.8	59.8	55.5	56.6	49.8	54.7	59.1	59.1	56.6	56.0
31	GK 3215	55.9	57.8	55.7	54.9	56.3	51.2	54.4	61.1	55.7	55.5	48.6	53.0	61.9	57.3	73.4	58.2
32	HKH 361	58.0	58.2	57.9	57.0	57.8	53.1	53.9	59.0	55.5	57.7	54.3	55.4	62.9	59.8	56.9	58.2
33	HKH 362	57.8	56.3	56.3	56.5	56.8	51.8	54.4	55.7	53.8	59.4	51.0	54.5	64.3	57.9	57.9	57.4
34	HKH 363	58.8	57.3	56.2	55.3	56.8	51.5	52.7	57.0	53.7	59.1	49.4	51.3	64.4	55.6	59.9	56.6
35	HKH 364	69.3	60.9	56.8	56.5	61.0	52.6	54.7	60.1	56.1	59.3	53.0	54.4	66.2	61.1	58.5	58.7
36	IIMRNH 1702	59.6	54.5	58.3	57.6	57.5	51.1	56.6	59.5	55.6	56.4	52.5	56.0	63.6	57.6	58.5	57.3
37	IMHBG-17K-1	58.3	58.0	56.9	55.8	57.2	50.2	53.4	58.6	54.2	59.0	50.3	52.2	63.4	55.4	58.9	56.5

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TABLE No. 2: Days to 50% Silking

Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
38	IMHBG-17K-10	58.6	59.2	59.5	57.5	59.0	54.7	56.4	58.7	56.5	59.9	49.5	57.6	68.9	62.0	62.6	59.9
39	IMHBG-17K-11	61.1	58.3	63.0	58.6	60.1	51.2	57.7	60.2	56.3	58.3	49.9	56.0	63.7	59.6	60.0	57.9
40	IMHBG-17K-12	61.4	56.9	62.2	58.4	59.6	56.2	58.3	60.2	58.3	60.6	51.3	57.0	63.3	60.8	60.5	58.8
41	IMHBG-17K-13	58.6	58.2	57.5	56.4	57.7	50.6	55.5	58.1	54.9	56.4	49.8	52.5	63.4	60.5	59.6	56.9
42	IMHBG-17K-14	61.5	57.5	60.7	59.4	59.7	55.3	57.4	62.9	58.4	60.1	50.2	56.3	62.5	60.7	62.5	58.7
43	IMHBG-17K-15	60.3	59.8	62.3	56.9	59.8	50.6	55.5	59.3	55.1	57.2	50.8	53.6	65.3	57.3	59.6	57.3
44	IMHBG-17K-16	61.8	59.8	57.0	58.2	59.2	53.9	54.1	64.2	57.3	57.0	49.7	54.6	61.5	57.1	56.7	56.6
45	IMHBG-17K-17	61.1	56.7	59.4	58.1	58.7	53.4	57.4	60.0	56.8	59.5	52.5	56.2	63.9	59.6	59.5	58.5
46	IMHBG-17K-18	62.6	57.4	61.1	59.5	60.2	53.7	57.4	61.2	57.6	59.8	50.0	55.6	64.8	61.5	62.2	59.4
47	IMHBG-17K-19	62.6	59.1	60.5	59.3	60.5	56.4	56.7	58.1	56.8	60.9	50.7	56.1	64.6	59.6	62.5	59.1
48	IMHBG-17K-2	56.7	59.4	55.9	56.2	56.8	50.2	51.9	55.1	52.3	55.9	48.9	52.7	61.4	54.1	54.7	54.6
49	IMHBG-17K-21	59.1	60.0	60.5	57.7	59.5	53.6	57.0	57.3	55.9	60.6	50.8	54.7	64.0	60.3	61.7	58.5
50	IMHBG-17K-22	59.9	60.6	58.5	56.6	58.8	53.4	55.3	58.0	55.6	59.0	50.0	53.8	65.2	57.9	59.2	57.5
51	IMHBG-17K-3	59.4	58.5	58.5	56.9	58.3	50.7	54.7	60.1	55.0	53.8	51.6	57.1	65.9	62.3	59.4	58.4
52	IMHBG-17K-4	58.2	62.1	56.7	57.2	58.6	53.6	57.0	61.3	57.3	57.8	47.6	55.6	65.3	63.4	59.1	58.1
53	IMHBG-17K-5	62.9	61.6	59.7	58.3	60.7	54.8	55.0	59.2	56.3	57.8	50.4	54.5	66.8	65.6	63.3	59.7
54	IMHBG-17K-6	64.3	58.8	62.4	59.4	61.0	55.1	56.6	58.8	56.9	61.3	49.6	57.2	65.0	64.4	63.5	60.2
55	IMHBG-17K-7	58.9	59.4	58.3	58.4	58.6	53.1	56.5	58.9	56.3	60.3	49.8	54.4	64.8	61.6	62.6	58.9
56	IMHBG-17K-8	64.4	62.2	59.9	59.1	61.5	54.8	56.5	62.9	57.9	60.9	49.2	58.4	67.4	62.5	64.3	60.4
57	IMHBG-17K-9	58.2	57.7	57.2	56.3	57.4	54.2	56.1	56.8	55.8	57.3	51.1	54.7	63.4	59.4	63.3	58.1
58	JASL-2033	57.0	57.1	54.8	54.2	55.6	46.9	52.1	59.7	52.9	54.7	49.9	54.9	64.0	55.8	55.8	56.0
59	JH 16029	58.0	59.7	56.6	57.1	58.0	54.1	52.8	60.9	55.9	58.9	49.9	53.4	63.6	62.2	60.3	58.0
60	JH 16045	58.1	59.2	59.1	58.9	58.9	51.6	54.2	57.8	54.5	59.0	50.4	53.7	63.2	57.5	58.7	57.0
61	JH 32055	55.9	58.6	58.2	55.3	57.2	50.2	52.3	58.6	53.8	55.3	49.7	50.8	62.5	56.2	56.7	55.1
62	JKMH 15303	58.6	59.0	57.7	55.5	57.6	51.2	53.0	57.9	54.0	57.0	48.7	52.5	59.4	56.1	58.0	55.3
63	K-27	58.3	56.7	58.8	56.4	57.5	53.4	54.8	59.6	55.9	56.7	49.4	53.7	63.3	56.8	60.5	56.7
64	KH 103	58.9	55.7	57.2	56.8	57.1	53.0	53.8	56.7	54.6	54.5	50.3	55.5	60.6	56.4	57.8	55.8
65	KMH 16-1	52.5	55.0	50.0	54.0	52.8	47.3	50.7	55.2	51.1	52.2	51.1	51.9	54.5	51.3	53.0	52.3
66	KMH 16-2	55.3	55.9	52.6	56.6	55.2	47.2	51.5	58.3	52.4	55.3	52.7	51.9	59.8	52.6	54.1	54.7
67	KMH 16-25	54.0	54.7	48.8	55.7	53.3	45.8	49.8	54.7	50.2	54.6	50.7	51.5	57.5	51.2	50.9	52.7
68	KMH 16-29	49.6	54.7	49.4	53.0	51.6	48.0	49.5	53.0	50.2	51.2	49.6	49.3	56.8	47.6	55.5	51.7
69	KMH 16-40	50.9	56.8	50.5	54.5	53.0	47.6	49.7	54.4	50.5	50.4	49.8	52.7	53.3	51.2	49.2	51.2
70	KMH 16-42	49.9	55.8	50.7	54.1	52.5	46.5	50.5	53.4	50.1	52.0	50.8	50.3	55.4	49.8	51.1	51.6
71	LMH 1017	58.9	60.9	56.8	57.8	58.7	52.3	56.9	59.5	56.2	57.0	48.5	54.9	61.2	61.6	60.6	57.3
72	LMH 817	56.5	58.7	56.3	54.8	56.5	49.4	55.0	62.8	55.8	52.5	50.2	53.9	59.5	55.7	59.8	55.2
73	LMH 917	58.7	56.9	61.3	57.5	58.5	54.0	57.9	61.1	57.9	58.9	50.9	59.6	66.7	65.7	62.2	60.6
74	LMH1117	57.7	57.7	58.3	55.0	56.9	50.1	55.7	59.3	55.1	57.2	50.6	53.0	65.1	57.3	58.8	57.0

TABLE No. 2:		Days to 50% Silking															
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura Mean	Gossaingaon Mean	Kangra Mean	Udhampur Mean	Zone1 Mean	Karnal Mean	Ludhiana Mean	Pantnagar Mean	Zone2 Mean	Baharaich Mean	Bhubaneswar Mean	Dholi Mean	Ranchi Mean	Sabour Mean	Varanasi Mean	Zone3 Mean
75	MMH 16-11	56.8	54.8	56.1	56.9	56.4	50.1	52.6	58.2	53.4	56.1	48.9	52.5	62.5	54.9	57.1	55.3
76	MMH 16-12	56.6	56.9	56.1	54.9	56.1	49.0	52.4	58.9	53.4	57.1	48.8	52.7	64.8	58.4	57.2	56.4
77	NMH-4053	59.5	57.3	57.4	58.7	58.1	54.2	54.9	60.6	56.5	59.4	50.9	55.1	63.0	57.2	59.2	57.4
78	NMH-4139	59.7	56.6	59.9	56.2	58.0	52.5	54.9	63.0	56.7	56.4	49.8	52.7	64.1	57.0	57.4	56.7
79	NMH-51+	54.2	56.0	57.4	57.1	56.4	50.8	51.8	57.9	53.4	56.1	48.9	54.0	58.7	59.0	57.9	55.8
80	OMH16-4	58.7	57.9	58.8	57.9	58.3	51.1	55.4	58.6	54.9	57.5	49.4	54.6	62.8	59.2	59.3	57.0
81	PM17102M	54.6	55.4	54.8	54.7	54.8	51.1	53.5	56.4	53.6	54.8	49.7	51.8	60.9	52.6	55.9	54.2
82	PM17103M	56.2	57.8	54.3	58.1	56.5	50.9	53.5	60.4	54.9	57.1	51.3	54.6	61.9	55.1	58.0	56.3
83	RCRMH 4-1	60.0	57.8	59.4	58.1	58.8	54.5	55.9	56.7	55.6	58.3	49.6	55.3	67.6	61.6	63.4	59.2
84	RCRMH3(CAH156)	58.7	55.3	58.7	57.1	57.4	53.8	55.0	59.4	56.3	58.8	52.7	53.5	64.6	57.4	58.7	58.0
85	REH 2013-15	61.7	60.7	61.0	59.0	60.5	54.1	58.0	61.8	58.0	61.1	47.9	56.8	65.7	66.3	64.7	60.3
86	REH 2013-21	58.8	59.6	60.8	57.6	59.3	54.2	56.2	60.1	56.7	59.4	52.1	55.9	62.9	57.9	60.6	58.1
87	STAR-X-14	57.9	60.1	55.3	57.2	57.7	51.4	53.9	62.6	56.1	55.3	49.0	54.9	60.9	59.5	55.2	55.8
88	STAR-X-16	56.4	58.1	57.8	57.6	57.5	49.6	54.6	59.3	54.6	55.0	50.2	51.6	62.2	54.7	58.1	55.1
89	STAR-X-18	57.5	54.9	55.6	56.4	56.2	51.1	54.8	59.7	55.2	59.0	52.6	54.1	61.3	56.2	58.8	56.9
90	STAR-X-20	56.7	57.0	54.6	54.0	55.5	48.3	53.1	58.4	53.1	55.3	50.1	51.2	59.3	54.4	55.0	54.1
91	SYN716725	60.7	57.5	59.8	59.3	59.6	53.8	55.3	61.0	56.8	59.6	49.5	53.5	62.8	59.4	58.2	57.1
92	UDMH-131	52.7	57.4	53.4	55.2	54.7	47.8	50.0	57.7	51.9	56.6	50.0	51.7	56.3	52.2	56.0	53.6
93	UDMH-132	50.0	55.2	50.9	52.7	52.2	46.5	49.2	54.2	49.9	55.5	52.0	47.8	58.8	48.8	50.6	52.2
94	VaMH 15005	53.6	58.6	57.3	53.8	55.7	50.0	51.8	59.0	53.6	55.5	48.7	53.1	59.4	55.3	57.5	54.9
95	VaMH 15036	56.7	59.5	58.6	56.5	57.9	51.7	53.9	60.2	55.1	58.9	50.7	51.6	62.8	55.1	57.9	56.0
96	WH-1010	53.7	58.5	53.8	55.0	55.2	49.2	50.3	57.0	52.2	52.6	49.9	52.0	57.4	53.3	55.4	53.9
97	WH-1094	58.6	57.5	58.2	58.2	58.2	53.3	55.7	60.6	56.4	58.7	48.4	55.9	63.1	58.9	60.8	57.5
98	CMH 08-292 (C)	56.6	59.0	58.7	57.7	58.0	51.6	54.1	59.0	55.0	58.2	50.6	54.9	61.1	58.8	59.0	57.1
99	BIO 9544 (C)	60.3	60.8	59.7	58.3	59.8	54.9	56.6	60.6	57.4	56.7	48.6	55.6	63.2	60.6	60.8	57.6
100	DHM 121 (C)	60.8	65.7	58.1	58.0	60.5	52.7	58.3	61.9	57.7	56.0	47.3	57.2	.	62.7	59.9	.
	Location Mean	58.3	58.4	57.6	56.9	57.8	52.0	54.7	59.3	55.3	57.5	50.1	54.4	62.5	58.1	59.1	56.8
	CV (%)	3.0	4.3	3.3	2.4	3.4	2.8	3.2	3.3	3.1	3.9	5.0	3.6	5.1	4.6	5.0	4.5
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00
	CD (5%)	2.9	4.0	3.1	2.2	1.7	2.4	2.8	3.1	1.7	3.6	4.0	3.1	5.1	4.3	4.8	1.9
	CD (1%)	3.8	5.3	4.1	2.8	2.3	3.1	3.7	4.1	2.2	4.7	5.3	4.1	6.8	5.7	6.4	2.5

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TABLE No. 2: (Contd.)		Days to 50% Silking													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	16402-008-01-01-03-5-2	57.4	62.9	61.3	56.1	54.3	55.4	55.0	57.3	33.2	61.2	58.7	61.4	53.7	.
2	ADV 140187	56.3	61.6	58.4	55.5	59.4	55.8	56.1	57.5	49.9	61.2	57.1	60.5	57.3	58.9
3	ADV 140235	56.6	61.4	59.1	55.9	58.8	57.0	57.1	58.0	53.2	61.7	57.9	62.7	58.7	58.5
4	AH 6007	54.5	61.8	54.6	53.8	55.7	57.1	50.1	55.3	50.5	57.2	53.9	59.2	54.9	55.9
5	AH 6008	52.5	61.0	55.1	54.1	55.4	53.8	51.1	54.4	52.3	57.8	53.2	60.1	55.7	54.8
6	AH 6009	54.8	60.8	54.4	53.8	57.7	55.8	52.3	55.8	52.0	57.6	55.4	60.4	56.4	56.1
7	AH 6017	55.6	61.5	55.8	53.3	56.7	53.4	51.3	55.3	52.8	57.2	56.2	61.3	56.6	55.3
8	AH-1606	56.1	61.3	57.8	55.4	57.4	55.4	53.9	56.6	53.2	58.1	56.9	58.9	56.4	56.9
9	AH-7067R	55.1	60.0	53.4	53.7	52.7	51.3	50.0	53.9	50.9	57.3	53.6	55.6	54.7	54.2
10	AMH-14258	56.7	62.6	59.4	56.7	57.1	56.0	55.7	57.6	51.2	61.3	59.7	62.8	58.6	58.9
11	BH 415012	54.5	61.1	55.1	53.0	54.0	51.3	48.9	54.0	51.7	57.4	53.8	58.8	55.6	54.5
12	BH 415100	54.0	60.2	55.7	53.2	56.2	54.6	52.3	55.0	52.5	57.9	56.5	58.7	55.6	55.3
13	BH 415158	56.4	61.0	56.7	56.7	55.1	55.5	53.1	56.2	52.4	58.1	54.4	58.5	56.2	56.3
14	BLH 117	55.3	62.5	59.4	56.8	56.6	58.1	58.7	58.1	53.0	61.0	60.1	63.4	59.1	59.6
15	BLH 118	56.6	61.5	56.8	56.6	56.7	54.0	53.6	56.4	50.7	57.8	55.5	60.7	56.2	57.2
16	BLH 119	56.6	61.3	58.8	55.7	55.1	56.1	55.8	57.0	51.0	61.1	57.6	62.5	58.2	58.1
17	BLH 120	55.5	60.7	57.8	55.6	56.3	56.5	53.7	56.7	50.3	59.2	59.8	60.7	57.4	57.8
18	BLH 121	56.7	61.0	57.4	56.2	58.8	57.9	56.1	57.9	50.3	61.9	58.2	62.3	58.3	58.8
19	BLH 122	55.8	60.5	55.4	53.0	55.9	55.2	52.1	55.7	50.9	58.0	55.2	60.5	56.6	56.4
20	BRMH-10 (CAH-1566)	56.2	61.4	56.2	55.1	56.7	55.7	56.9	56.8	52.6	59.3	57.0	59.3	56.6	56.6
21	CCH 1818	57.3	60.6	57.1	54.4	55.3	56.9	54.2	56.8	49.4	61.3	58.1	61.4	57.7	58.0
22	DAS-MH-311	56.1	60.0	57.9	56.7	58.0	55.6	53.3	56.8	52.0	58.1	57.6	60.4	56.9	56.7
23	DH-314	55.8	60.4	54.7	55.3	56.2	56.8	54.5	56.4	51.2	59.1	57.1	60.3	57.1	56.6
24	DKC7181 (IR8003)	56.5	59.9	56.1	54.8	56.4	56.6	54.6	56.3	52.0	57.6	55.7	58.6	55.9	57.0
25	DKC8181 (IR8004)	56.4	60.3	57.3	53.6	57.1	54.8	52.4	56.2	52.2	59.9	56.3	59.4	56.7	56.7
26	EH 2870	56.7	61.4	56.3	53.9	56.2	57.2	52.5	56.5	52.0	60.8	57.8	59.6	57.5	58.0
27	EH 2898	55.6	62.0	55.7	54.5	52.7	56.3	52.6	55.6	51.9	60.2	58.6	60.6	57.3	57.4
28	GH 160295	56.4	62.7	59.6	56.5	57.7	56.6	56.2	58.0	49.1	61.3	60.3	61.9	58.5	58.8
29	GIN-03	55.7	61.2	58.8	55.6	54.6	55.3	53.8	56.4	50.5	60.9	55.5	61.6	57.2	56.9
30	GK 3213	54.2	61.0	56.5	53.9	55.1	54.4	53.5	55.4	52.8	57.7	54.0	58.9	55.9	55.9
31	GK 3215	54.4	60.8	58.0	56.0	55.2	54.1	49.4	55.6	50.2	57.7	55.4	60.2	56.1	56.4
32	HKH 361	55.8	60.4	58.5	55.9	58.3	55.8	55.6	57.3	52.8	59.8	54.8	61.7	57.5	57.5
33	HKH 362	56.6	62.2	57.3	54.3	56.4	54.6	53.6	56.5	51.6	60.2	57.8	61.6	57.4	56.6
34	HKH 363	56.8	60.9	58.9	55.6	58.6	56.6	54.8	57.3	53.5	58.8	56.6	61.5	56.9	56.6
35	HKH 364	55.6	60.8	58.1	53.9	56.4	56.7	55.1	56.5	50.4	60.5	56.2	59.7	56.8	57.8
36	IIMRNH 1702	55.4	62.2	56.1	55.0	56.9	53.8	53.7	56.2	49.8	59.9	57.1	60.9	57.0	56.7
37	IMHBG-17K-1	55.2	60.9	57.1	54.9	54.7	54.7	51.2	55.6	50.9	59.1	55.5	59.0	56.2	56.0

TABLE No. 2: (Contd.)		Days to 50% Silking													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
38	IMHBG-17K-10	56.5	61.6	57.3	55.6	56.3	55.7	54.2	56.5	49.5	60.6	56.8	61.3	57.3	57.8
39	IMHBG-17K-11	56.3	63.0	58.2	54.0	59.4	55.4	55.0	57.3	53.4	61.9	57.4	61.6	57.9	58.0
40	IMHBG-17K-12	56.1	61.8	56.6	55.0	57.3	56.6	53.7	56.8	51.4	62.0	56.1	61.0	57.9	58.1
41	IMHBG-17K-13	55.9	60.0	55.9	53.5	57.6	53.8	51.5	55.5	50.4	60.1	54.4	58.9	55.8	56.2
42	IMHBG-17K-14	56.4	63.0	58.0	55.2	58.4	57.7	55.6	57.8	53.2	61.5	57.9	63.6	58.8	58.6
43	IMHBG-17K-15	55.7	60.3	58.0	54.1	57.4	54.2	51.2	55.9	51.1	58.0	58.7	60.6	56.6	57.0
44	IMHBG-17K-16	55.3	60.9	56.8	56.5	55.1	56.0	52.8	56.2	52.9	58.8	57.8	60.8	57.5	57.3
45	IMHBG-17K-17	55.4	60.3	55.7	53.7	57.4	56.1	53.6	56.0	53.3	58.9	56.0	62.0	57.0	57.4
46	IMHBG-17K-18	56.5	61.9	57.6	55.8	55.3	56.1	54.0	56.7	52.2	59.1	60.1	61.2	58.4	58.4
47	IMHBG-17K-19	56.5	61.8	58.4	56.0	55.4	57.7	57.0	57.5	52.7	62.3	58.9	61.0	58.7	58.5
48	IMHBG-17K-2	54.3	60.0	55.6	51.9	55.9	52.8	51.3	54.4	52.8	57.5	54.3	60.7	55.9	54.9
49	IMHBG-17K-21	56.2	61.0	57.9	55.3	56.2	57.3	52.5	56.7	50.0	57.1	56.1	61.5	56.4	57.4
50	IMHBG-17K-22	55.5	61.8	47.4	56.1	58.0	55.6	55.5	55.8	50.1	56.7	56.8	61.4	56.5	56.8
51	IMHBG-17K-3	56.0	62.9	55.8	53.0	56.9	55.7	53.8	56.3	51.6	57.6	58.3	61.0	57.3	57.2
52	IMHBG-17K-4	55.8	62.2	57.2	53.1	54.9	55.2	51.5	55.7	53.2	58.5	41.2	62.5	53.9	56.7
53	IMHBG-17K-5	56.0	60.9	56.4	54.8	57.2	57.3	54.7	56.9	52.2	60.6	56.7	62.4	58.5	58.4
54	IMHBG-17K-6	56.2	62.2	58.6	53.9	57.6	56.8	53.8	57.2	51.3	61.6	57.1	61.5	58.2	58.7
55	IMHBG-17K-7	55.9	60.6	55.9	54.1	56.0	56.5	51.4	55.9	51.8	57.2	56.4	60.1	56.1	57.2
56	IMHBG-17K-8	56.4	61.1	58.7	58.2	58.5	58.9	55.5	58.1	51.5	61.5	59.9	62.3	59.0	59.3
57	IMHBG-17K-9	57.4	60.6	58.9	54.7	57.6	56.1	52.3	56.6	50.6	58.7	58.1	62.3	57.2	57.1
58	JASL-2033	55.7	61.2	55.2	53.1	56.2	55.0	52.4	55.7	50.5	58.9	53.4	59.6	55.9	55.4
59	JH 16029	55.2	60.8	56.7	53.3	55.9	55.4	50.1	55.2	50.6	57.8	54.9	59.9	56.3	56.6
60	JH 16045	57.0	61.8	56.4	53.9	55.9	55.9	54.5	56.6	51.7	59.7	55.8	58.6	56.7	56.8
61	JH 32055	55.5	60.8	56.3	54.6	56.7	55.1	52.6	55.8	50.7	57.8	54.5	59.4	55.5	55.5
62	JKMH 15303	57.3	60.5	57.0	55.0	56.7	55.1	53.7	56.5	52.2	57.8	55.4	57.7	55.7	56.0
63	K-27	56.4	60.0	55.5	53.5	54.4	53.3	50.1	54.8	52.5	57.4	54.6	61.2	56.2	56.1
64	KH 103	55.8	60.3	55.7	53.5	55.7	55.8	53.8	55.8	51.4	58.1	54.8	60.7	56.3	55.9
65	KMH 16-1	52.4	59.9	54.3	52.7	52.6	48.4	49.7	52.9	51.0	55.4	50.7	56.4	53.8	52.6
66	KMH 16-2	53.3	60.2	56.4	52.8	52.1	53.9	50.0	54.2	49.3	57.6	54.1	57.5	54.9	54.5
67	KMH 16-25	52.4	60.5	54.2	53.7	54.0	49.5	49.8	53.4	52.0	56.3	53.8	56.6	54.5	53.0
68	KMH 16-29	52.1	60.2	52.0	51.0	49.5	49.5	48.7	51.8	52.1	55.4	50.8	54.6	53.1	51.8
69	KMH 16-40	52.4	60.3	54.1	53.1	50.2	48.8	48.6	52.4	50.0	55.2	50.7	54.5	52.9	52.0
70	KMH 16-42	51.7	60.8	54.2	53.7	52.5	51.2	49.2	53.3	51.1	55.5	50.7	54.6	53.6	52.4
71	LMH 1017	56.1	61.4	55.9	53.6	54.1	56.3	52.3	55.7	51.4	57.8	56.2	61.9	57.3	56.9
72	LMH 817	53.8	60.5	57.0	53.2	54.5	53.8	49.9	54.6	50.1	54.9	54.7	61.8	55.4	55.4
73	LMH 917	57.6	60.8	61.2	57.5	56.2	56.4	54.1	57.6	51.9	62.8	55.4	61.7	58.1	58.6
74	LMH1117	54.6	60.9	57.2	54.3	54.7	54.6	51.5	55.6	49.8	56.7	53.6	60.5	55.4	56.1

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TABLE No. 2: (Contd.)		Days to 50% Silking													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
75	MMH 16-11	54.7	62.3	56.2	54.6	53.2	53.9	51.0	55.0	54.2	58.4	54.7	60.3	56.5	55.4
76	MMH 16-12	54.3	60.8	53.9	52.8	55.8	54.6	51.2	54.9	48.5	57.1	54.3	57.5	54.5	55.2
77	NMH-4053	57.5	60.8	56.1	53.8	54.1	55.9	55.5	56.2	52.1	60.1	56.2	61.2	57.0	57.0
78	NMH-4139	56.4	62.8	58.8	55.3	53.3	56.4	54.9	56.8	50.2	59.4	55.6	59.9	56.4	57.0
79	NMH-51+	55.8	60.2	55.6	54.8	55.8	54.6	53.4	55.8	52.0	58.6	55.2	59.4	56.0	55.6
80	OMH16-4	55.6	60.8	57.4	54.5	56.6	55.2	52.0	56.1	51.8	57.9	55.2	61.1	56.4	56.6
81	PM17102M	55.2	60.1	55.5	53.3	52.4	53.1	50.9	54.6	50.6	55.7	53.3	59.1	54.8	54.4
82	PM17103M	55.5	60.6	57.9	54.8	54.8	52.8	51.9	55.5	51.0	56.6	54.5	60.3	56.0	55.8
83	RCRMH 4-1	56.9	61.9	54.5	52.8	54.0	54.8	53.0	55.4	50.8	57.2	56.7	61.7	57.0	57.1
84	RCRMH3(CAH156)	56.5	60.0	57.4	53.3	55.8	54.8	54.1	56.0	51.6	58.3	55.2	62.0	56.9	57.0
85	REH 2013-15	57.4	63.4	58.1	55.4	57.7	56.8	55.4	57.8	50.3	62.4	58.3	62.4	58.3	59.0
86	REH 2013-21	56.0	61.7	57.6	54.4	57.4	55.0	56.0	56.8	52.4	61.6	58.1	61.4	57.9	57.8
87	STAR-X-14	55.7	62.3	56.3	53.7	56.8	55.8	52.9	56.2	52.3	59.3	55.9	59.2	56.7	56.4
88	STAR-X-16	55.6	61.4	54.8	53.9	56.2	55.9	53.6	55.9	50.9	56.1	55.8	59.3	55.8	55.7
89	STAR-X-18	55.1	60.0	56.4	54.3	58.7	55.3	52.6	56.1	51.5	58.7	55.2	60.7	56.3	56.3
90	STAR-X-20	55.1	60.5	56.3	54.2	52.1	53.3	51.8	54.8	51.1	57.3	55.4	56.7	55.1	54.6
91	SYN716725	56.9	60.5	55.8	54.9	56.8	55.3	52.9	56.1	50.8	61.4	60.7	61.4	58.7	57.4
92	UDMH-131	54.2	60.2	54.0	53.5	51.4	51.1	49.2	53.5	51.4	55.8	53.0	55.8	54.1	53.6
93	UDMH-132	51.4	60.2	53.9	53.5	51.0	47.5	48.0	52.2	51.6	53.9	50.6	54.1	52.6	51.9
94	VaMH 15005	54.6	60.4	54.2	54.7	55.2	54.7	49.6	54.7	51.8	57.1	55.8	58.8	55.7	55.0
95	VaMH 15036	54.5	60.6	55.9	54.9	57.1	53.5	52.1	55.5	51.4	56.6	54.8	58.6	55.4	55.9
96	WH-1010	53.2	59.6	56.1	53.6	51.8	52.4	50.4	53.8	52.0	55.8	52.3	59.3	54.8	54.2
97	WH-1094	56.9	61.2	57.4	53.8	58.0	55.7	55.8	56.8	52.3	60.7	56.4	60.4	57.7	57.3
98	CMH 08-292 (C)	54.6	61.7	56.6	54.0	55.3	55.3	52.1	55.5	49.8	56.7	56.2	60.4	55.6	56.3
99	BIO 9544 (C)	55.3	60.3	56.8	55.6	57.8	55.3	53.3	56.4	51.6	57.4	57.1	61.3	57.0	57.5
100	DHM 121 (C)	56.2	63.6	59.9	53.8	58.9	57.0	35.9	55.2	35.2	60.7	56.6	60.5	53.0	.
	Location Mean	55.5	61.1	56.6	54.5	55.8	55.0	52.8	55.9	51.1	58.7	55.8	60.1	56.4	56.4
	CV (%)	1.6	1.7	3.9	3.1	3.9	2.2	6.6	3.6	8.5	2.7	6.3	2.8	5.4	4.1
	F (Prob)	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.47	0.00	0.01	0.00	0.00	0.00
	CD (5%)	1.5	1.7	3.5	2.8	3.5	2.0	5.6	1.3	7.0	2.6	5.7	2.7	2.5	0.8
	CD (1%)	1.9	2.2	4.7	3.6	4.7	2.6	7.4	1.7	9.2	3.4	7.5	3.6	3.3	1.1

TABLE No. 2: (Contd.)

Days to 75% Dry Husk

Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II (NWPZ)			III						
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	16402-008-01-01-03-5-2	101.6	106.6	99.1	100.5	101.9	87.8	91.7	89.5	94.9	90.9	82.3	.	87.1	95.4	.
2	ADV 140187	107.8	114.7	99.5	101.7	106.0	88.5	91.7	90.3	90.7	88.9	89.3	105.1	89.3	96.0	93.2
3	ADV 140235	103.8	110.9	99.8	101.4	104.1	88.6	92.1	90.0	90.8	88.2	87.3	103.1	89.4	91.3	91.8
4	AH 6007	98.3	110.1	99.6	97.6	101.5	86.2	86.8	86.8	87.2	87.9	83.4	103.1	80.8	88.1	88.4
5	AH 6008	99.9	110.7	95.5	97.0	100.8	85.9	91.6	88.6	87.6	88.1	83.3	100.9	79.6	91.4	88.3
6	AH 6009	98.8	100.1	96.7	97.7	98.6	87.7	92.2	89.8	85.6	89.4	83.2	107.1	78.2	88.3	88.9
7	AH 6017	101.1	112.6	95.0	97.3	101.5	88.5	92.6	90.5	90.0	87.2	83.0	104.7	84.1	88.4	89.3
8	AH-1606	100.6	104.8	98.1	98.6	101.3	87.0	90.6	88.8	89.4	89.9	83.6	100.5	84.1	86.6	89.0
9	AH-7067R	91.6	107.6	92.8	96.7	97.1	86.2	89.7	88.0	90.9	86.2	83.2	99.4	83.0	89.0	88.6
10	AMH-14258	104.8	106.3	101.5	101.1	103.8	88.2	91.8	90.2	95.2	86.4	88.4	105.0	90.3	98.6	93.8
11	BH 415012	90.0	109.3	94.9	98.0	97.9	85.8	89.8	87.8	84.6	88.6	83.2	102.8	78.6	86.3	87.1
12	BH 415100	102.4	110.6	92.8	98.0	101.0	85.1	92.9	89.0	92.5	87.8	84.7	104.4	83.8	91.0	90.5
13	BH 415158	96.4	113.4	98.7	98.7	101.8	86.5	93.8	89.9	90.5	90.3	82.4	101.5	85.2	87.5	89.6
14	BLH 117	105.8	104.2	103.0	101.4	104.0	87.5	93.9	91.0	91.5	86.6	87.0	106.4	87.6	94.2	92.0
15	BLH 118	101.6	117.5	98.0	100.1	104.3	89.0	96.4	92.8	94.4	89.8	90.4	103.7	88.6	97.6	93.9
16	BLH 119	106.6	113.3	99.6	99.0	104.5	88.8	95.9	92.3	91.4	87.2	87.5	103.7	86.0	93.9	91.6
17	BLH 120	104.3	114.5	99.2	99.8	104.2	88.4	94.7	91.2	92.7	87.7	84.3	101.4	84.6	89.6	90.4
18	BLH 121	104.1	109.4	100.0	100.3	103.1	87.2	89.9	88.4	91.8	88.0	86.6	104.6	86.1	90.4	91.3
19	BLH 122	103.9	112.2	97.1	99.2	102.8	87.1	94.6	90.6	89.2	85.7	88.9	101.0	85.9	89.7	90.4
20	BRMH-10 (CAH-1566)	99.7	109.3	97.0	98.4	101.4	86.1	91.9	89.0	89.8	88.7	85.8	100.9	87.2	94.4	90.9
21	CCH 1818	101.5	108.6	99.8	98.8	101.6	87.4	93.5	90.4	93.1	89.0	85.3	102.9	87.3	92.9	91.7
22	DAS-MH-311	101.8	101.7	99.0	98.4	100.1	87.3	91.9	89.5	91.9	85.6	87.0	101.2	87.4	89.6	90.6
23	DH-314	99.3	105.6	98.7	99.6	100.3	87.3	90.6	89.0	88.0	86.5	82.3	92.8	83.5	93.5	87.7
24	DKC7181 (IR8003)	100.0	110.9	96.2	98.6	101.3	87.5	89.8	88.9	91.9	88.4	85.6	102.5	87.1	93.0	91.5
25	DKC8181 (IR8004)	99.7	112.2	97.6	99.6	102.3	86.9	94.7	90.7	92.1	87.9	87.1	97.9	85.4	94.2	91.1
26	EH 2870	102.8	114.4	97.8	100.0	103.7	88.7	90.8	89.5	93.7	86.5	83.2	105.5	90.2	92.3	91.9
27	EH 2898	105.0	104.0	100.7	98.8	102.3	87.9	95.3	91.6	92.9	86.3	87.1	103.5	83.5	93.3	91.4
28	GH 160295	100.5	113.6	101.3	100.2	103.7	87.6	95.1	91.2	89.4	88.9	81.4	104.2	86.4	93.7	90.9
29	GIN-03	104.1	110.2	95.1	98.9	102.2	87.4	86.7	87.2	87.2	87.5	88.4	101.1	83.4	96.2	90.7
30	GK 3213	101.9	108.4	96.0	97.0	101.3	86.4	89.7	88.0	89.8	87.4	85.3	101.8	82.6	90.9	89.6
31	GK 3215	99.7	114.5	96.7	96.9	102.1	87.3	91.8	89.4	90.4	86.4	84.5	101.9	81.6	89.1	89.1
32	HKH 361	101.9	114.0	97.6	98.9	103.0	87.7	88.2	88.0	90.6	89.3	84.4	103.1	82.0	87.8	89.6
33	HKH 362	105.8	114.0	96.8	98.6	103.3	87.5	90.0	88.7	90.8	88.9	85.2	103.4	84.5	86.8	90.0
34	HKH 363	98.6	96.8	96.3	97.2	97.8	87.1	89.3	88.4	91.8	87.1	80.2	104.3	79.1	88.2	88.1
35	HKH 364	105.1	111.3	96.4	98.5	103.5	86.4	95.0	90.9	91.0	89.5	86.5	106.4	90.4	99.2	93.7
36	IIMRNH 1702	99.9	106.6	97.7	99.7	100.7	86.1	89.5	88.0	90.1	90.1	85.0	103.4	82.3	91.6	90.3
37	IMHBG-17K-1	106.3	111.3	97.3	97.8	103.4	87.0	94.8	90.9	91.6	87.7	87.0	101.5	87.3	101.1	92.6

BR-100

TABLE No. 2: (Contd.)

Days to 75% Dry Husk

Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)			III						
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
38	IMHBG-17K-10	99.6	121.5	99.5	99.5	104.7	87.6	92.7	90.0	89.4	86.8	87.5	107.8	87.7	93.1	91.9
39	IMHBG-17K-11	102.1	104.5	102.3	100.6	102.9	85.9	93.1	89.6	90.0	88.6	86.7	105.1	83.7	90.6	90.7
40	IMHBG-17K-12	97.6	109.5	102.2	100.4	102.3	88.2	93.2	90.9	91.9	89.4	87.5	103.9	84.2	93.5	91.6
41	IMHBG-17K-13	101.7	112.0	97.5	98.4	102.5	86.0	90.1	88.3	90.0	87.7	85.6	102.4	85.6	96.7	91.1
42	IMHBG-17K-14	101.5	108.4	100.4	101.5	103.2	88.7	91.8	90.2	93.2	87.4	87.5	102.8	83.8	93.8	91.5
43	IMHBG-17K-15	98.0	109.8	101.6	98.9	101.9	86.4	89.2	87.8	87.3	88.4	82.0	103.5	84.0	87.6	88.9
44	IMHBG-17K-16	96.6	109.1	97.3	100.1	101.1	87.0	87.3	87.0	89.7	86.8	85.2	104.8	82.2	87.0	89.2
45	IMHBG-17K-17	97.6	105.7	99.4	100.2	101.3	87.0	92.0	89.7	92.0	89.4	83.7	103.0	83.1	88.6	89.8
46	IMHBG-17K-18	100.5	104.5	101.1	101.5	102.3	87.5	91.4	89.7	93.2	86.8	85.7	105.9	89.0	92.0	92.1
47	IMHBG-17K-19	105.5	110.0	100.7	101.3	104.6	89.6	95.1	92.1	92.9	88.1	86.1	105.9	89.6	94.5	92.8
48	IMHBG-17K-2	99.1	106.2	96.4	98.2	100.3	86.2	90.2	88.4	85.9	87.0	81.2	100.9	78.4	86.5	86.7
49	IMHBG-17K-21	103.2	117.3	100.5	99.8	105.2	87.2	88.8	88.0	93.8	89.1	84.2	103.8	88.6	92.8	92.2
50	IMHBG-17K-22	104.2	113.5	98.4	98.6	102.7	87.4	91.5	89.2	91.1	88.8	85.7	97.0	83.0	95.2	90.0
51	IMHBG-17K-3	101.5	116.5	98.1	98.8	103.6	85.9	90.3	88.0	86.2	89.4	87.4	104.7	88.3	89.6	91.1
52	IMHBG-17K-4	101.3	108.0	97.4	99.2	101.3	89.6	90.2	90.0	89.7	86.1	81.9	103.9	86.8	89.7	89.9
53	IMHBG-17K-5	104.7	115.4	100.3	100.3	105.1	88.5	90.4	89.3	91.2	87.8	85.2	105.3	90.7	97.2	93.0
54	IMHBG-17K-6	101.9	103.2	102.4	101.3	102.4	87.8	93.2	90.5	94.1	87.8	86.6	107.2	86.4	94.1	92.6
55	IMHBG-17K-7	102.9	112.1	98.2	100.4	102.9	87.3	93.2	90.1	91.7	85.5	85.7	104.7	88.3	94.6	91.7
56	IMHBG-17K-8	107.5	110.1	100.2	100.8	104.8	90.1	95.1	92.5	91.6	87.8	90.3	105.5	90.3	97.3	93.8
57	IMHBG-17K-9	109.0	110.3	97.3	98.2	103.7	87.5	96.7	92.2	91.6	89.9	89.3	103.4	90.5	99.2	93.9
58	JASL-2033	101.1	111.0	94.3	96.2	100.7	85.8	90.6	88.2	88.4	89.2	85.9	103.2	86.4	90.2	90.8
59	JH 16029	97.4	108.1	97.0	99.1	100.4	88.8	91.7	90.3	92.2	88.6	84.0	100.0	83.6	90.6	89.8
60	JH 16045	104.9	110.7	99.8	100.9	103.2	87.2	91.8	89.4	91.3	89.0	84.5	103.4	84.1	92.1	90.6
61	JH 32055	97.7	106.3	98.4	97.3	100.1	86.8	87.2	86.8	87.9	86.8	82.6	100.7	81.1	89.3	88.3
62	JKMH 15303	105.1	112.3	98.3	97.4	103.6	86.7	89.9	88.4	87.0	87.1	85.0	98.6	83.1	95.9	89.7
63	K-27	104.8	110.0	99.2	98.4	103.0	88.3	92.3	90.6	93.1	87.1	84.9	102.6	84.4	94.3	90.9
64	KH 103	104.3	111.3	97.4	98.9	102.7	88.3	92.2	90.4	91.2	88.0	86.4	101.1	88.4	93.4	91.4
65	KMH 16-1	91.0	112.1	90.5	96.0	97.5	84.5	87.8	86.4	83.7	89.1	79.8	94.3	77.5	84.3	84.8
66	KMH 16-2	93.2	105.0	93.4	98.6	97.5	85.8	87.4	86.7	88.7	91.0	84.4	100.7	79.1	82.4	87.7
67	KMH 16-25	88.8	111.2	89.5	97.7	97.1	84.5	86.4	85.6	86.4	90.4	76.2	96.5	75.7	81.6	84.4
68	KMH 16-29	85.3	109.5	90.0	95.0	95.0	85.0	84.3	84.7	82.9	87.5	79.2	99.7	72.0	80.2	83.9
69	KMH 16-40	89.7	115.5	90.9	96.6	98.0	84.5	84.6	84.6	82.9	86.7	78.8	94.8	79.0	79.9	83.8
70	KMH 16-42	88.8	107.4	91.5	96.1	96.1	85.1	88.7	87.0	84.3	87.4	84.6	97.6	76.3	82.4	85.6
71	LMH 1017	103.3	113.6	97.7	99.7	103.8	87.4	90.9	89.3	89.0	87.5	82.5	102.6	83.0	90.4	89.1
72	LMH 817	96.1	113.4	95.7	96.8	100.3	85.2	89.3	87.3	88.3	88.0	86.7	101.0	82.4	92.4	89.8
73	LMH 917	101.5	108.6	100.6	99.4	102.7	88.6	95.4	92.1	90.6	88.4	90.3	105.5	93.9	95.3	93.8
74	LMH1117	97.9	115.2	98.0	97.0	101.9	86.1	90.3	87.9	89.0	89.4	83.4	103.1	83.9	88.0	89.6

TABLE No. 2: (Contd.)		Days to 75% Dry Husk														
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)			III						
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
75	MMH 16-11	98.1	107.2	96.9	98.9	100.4	86.5	90.0	88.2	91.5	86.0	82.8	101.0	79.9	88.7	88.1
76	MMH 16-12	102.4	118.3	96.0	96.9	102.6	86.0	88.9	87.1	87.8	87.4	83.7	105.0	81.8	87.1	88.6
77	NMH-4053	105.5	110.0	97.2	100.7	103.6	87.7	96.0	91.8	93.9	87.5	87.1	103.6	86.1	90.4	91.2
78	NMH-4139	106.3	115.2	98.9	98.3	104.8	89.4	93.2	91.4	87.6	87.2	88.5	104.2	85.9	90.3	90.9
79	NMH-51+	100.4	109.7	97.7	99.1	101.9	87.2	89.0	88.0	90.9	87.3	85.1	100.7	89.5	91.4	90.6
80	OMH16-4	96.6	110.7	99.4	99.9	100.9	86.2	89.4	87.9	91.4	86.2	84.6	102.4	85.7	90.4	89.8
81	PM17102M	97.5	116.7	94.3	96.8	100.7	85.9	90.7	88.2	86.4	87.0	83.7	100.4	82.4	88.9	88.1
82	PM17103M	102.4	109.3	94.1	100.2	101.0	87.7	91.6	89.6	91.2	89.4	85.5	101.9	81.1	90.1	90.1
83	RCRMH 4-1	107.0	106.4	100.3	99.7	103.5	88.5	93.8	91.2	91.0	87.4	87.9	107.5	91.6	95.9	93.6
84	RCRMH3(CAH156)	99.7	105.4	99.2	99.1	101.2	86.8	92.4	89.9	93.4	88.7	84.1	104.0	82.5	90.4	90.4
85	REH 2013-15	104.3	111.9	100.2	101.0	104.2	88.9	95.6	92.3	94.9	85.9	89.0	105.9	89.7	95.9	93.3
86	REH 2013-21	104.8	107.0	100.4	99.7	103.2	87.6	91.9	89.6	89.7	89.8	85.9	99.8	85.5	92.2	90.7
87	STAR-X-14	102.8	113.4	96.1	99.2	103.0	86.6	91.1	89.0	90.9	87.2	89.3	101.4	91.8	93.4	92.5
88	STAR-X-16	101.3	108.9	97.8	99.5	101.7	85.8	89.8	87.7	86.4	88.3	82.7	101.3	81.7	94.6	89.2
89	STAR-X-18	104.4	107.6	96.3	98.5	101.8	87.1	91.0	89.0	91.9	88.9	88.0	101.3	82.7	93.0	91.0
90	STAR-X-20	97.0	111.8	94.6	96.1	99.7	86.6	88.4	87.6	88.7	86.5	80.0	100.4	82.6	90.2	88.1
91	SYN716725	105.4	115.2	99.4	101.2	105.4	87.7	97.1	92.3	90.7	85.6	86.0	102.5	86.4	96.9	91.2
92	UDMH-131	94.7	113.8	94.5	97.2	99.9	85.2	87.1	86.1	85.6	87.4	83.2	95.6	81.5	88.7	86.9
93	UDMH-132	85.2	103.8	90.6	94.8	93.9	85.7	85.2	85.7	85.7	88.6	77.3	98.5	77.8	81.2	84.9
94	VaMH 15005	90.4	104.4	97.9	95.8	97.1	85.6	89.7	87.6	85.9	86.7	79.9	100.5	80.6	86.4	86.7
95	VaMH 15036	96.6	113.7	99.2	98.5	101.9	86.7	88.1	87.3	91.1	88.8	80.9	102.5	82.7	89.4	89.2
96	WH-1010	95.3	106.2	94.2	97.1	98.6	86.2	87.2	87.0	85.8	87.4	81.6	98.8	77.4	85.8	86.4
97	WH-1094	95.3	109.7	98.7	100.3	100.7	88.0	89.7	88.8	88.0	86.7	81.3	102.4	82.5	88.9	88.4
98	CMH 08-292 (C)	91.1	112.0	98.5	99.7	100.3	88.4	90.8	89.5	89.3	87.2	83.0	99.1	80.6	90.9	88.5
99	BIO 9544 (C)	103.9	106.9	99.8	100.0	103.0	89.1	93.6	91.5	90.6	86.5	90.3	102.7	89.5	98.6	93.1
100	DHM 121 (C)	102.5	111.0	98.4	100.0	103.1	88.9	95.9	92.3	91.3	85.3	85.8	.	90.2	93.6	.
	Location Mean	100.4	110.1	97.6	98.9	101.9	87.1	91.2	89.2	90.0	87.9	84.9	102.2	84.5	91.2	89.9
	CV (%)	1.9	5.7	2.1	1.3	3.6	1.5	3.0	2.4	3.1	2.8	2.6	2.7	4.1	2.0	3.0
	F (Prob)	0.00	0.36	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.94	0.00	0.00	0.00	0.00	1.00
	CD (5%)	3.1	10.2	3.2	2.1	3.2	2.1	4.3	2.5	4.5	4.0	3.5	4.4	5.6	3.0	1.9
	CD (1%)	4.1	13.5	4.3	2.8	4.3	2.8	5.7	3.3	5.9	5.3	4.7	5.8	7.4	4.0	2.5

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TABLE No. 2: (Contd.)		Days to 75% Dry Husk													
Sl. No.	Entry Name	IV								V					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	16402-008-01-01-03-5-2	93.7	104.5	104.2	101.4	87.6	92.2	95.3	96.9	52.1	90.8	91.2	85.1	79.7	.
2	ADV 140187	92.3	105.4	100.7	99.6	90.0	92.7	96.0	96.8	77.0	97.9	92.7	85.8	88.6	95.5
3	ADV 140235	93.2	103.0	99.4	98.4	89.7	92.9	97.3	96.5	80.5	98.0	91.6	86.3	88.8	94.7
4	AH 6007	90.3	101.3	96.7	97.7	89.9	90.7	90.0	93.7	77.5	92.6	89.7	86.0	86.3	91.8
5	AH 6008	88.3	103.6	98.4	98.5	90.1	88.2	92.6	94.1	79.6	92.9	89.3	85.6	86.6	92.0
6	AH 6009	91.2	101.4	99.4	96.5	95.1	96.9	92.9	96.2	80.2	95.9	89.2	86.1	87.9	92.7
7	AH 6017	92.6	104.2	100.0	96.7	88.2	91.8	92.5	95.0	80.9	93.9	91.2	85.7	87.4	92.9
8	AH-1606	92.7	101.9	99.3	98.0	88.8	90.0	94.3	95.0	81.2	93.5	89.1	86.2	86.9	92.6
9	AH-7067R	90.9	101.8	95.4	98.2	87.0	88.2	90.2	93.4	77.8	93.9	88.3	84.5	86.5	91.1
10	AMH-14258	93.8	103.1	98.7	99.5	93.7	95.3	95.6	96.9	78.7	95.3	90.5	86.4	87.6	95.1
11	BH 415012	89.6	96.7	97.4	96.1	87.9	91.6	90.2	92.7	79.1	88.7	83.6	84.4	84.3	90.2
12	BH 415100	89.6	100.4	98.3	97.0	88.0	92.8	93.8	93.8	80.8	95.3	92.0	86.1	88.3	92.8
13	BH 415158	93.3	102.6	98.2	98.7	88.8	92.2	93.1	95.5	79.2	95.2	89.3	86.3	87.7	93.2
14	BLH 117	90.7	102.0	99.9	99.0	88.9	96.6	99.3	96.4	81.3	98.1	93.3	85.8	89.0	94.9
15	BLH 118	93.7	108.0	97.9	100.3	92.5	93.7	93.7	96.7	77.6	97.6	91.6	85.7	88.4	95.5
16	BLH 119	93.3	105.9	102.6	101.5	90.0	95.3	96.6	98.0	77.8	97.6	92.3	84.5	88.0	95.2
17	BLH 120	91.9	101.8	100.8	100.4	91.9	94.5	94.2	96.5	77.2	95.3	91.2	85.5	87.6	94.2
18	BLH 121	91.9	101.5	98.0	98.4	91.0	90.4	95.8	95.7	76.8	96.0	92.2	85.6	87.9	93.8
19	BLH 122	92.9	101.4	99.5	96.2	91.0	94.5	92.4	95.9	78.6	95.2	89.5	85.3	87.4	93.7
20	BRMH-10 (CAH-1566)	92.6	100.7	97.1	100.1	88.4	89.3	98.5	95.0	80.7	94.8	89.2	85.0	87.0	93.1
21	CCH 1818	93.7	102.5	100.6	98.1	91.4	91.1	94.0	96.7	76.8	93.8	91.3	85.7	86.8	93.9
22	DAS-MH-311	92.6	103.0	97.8	100.1	91.8	95.7	94.3	96.3	78.9	94.2	92.1	86.5	88.2	93.5
23	DH-314	91.8	100.4	96.6	99.1	90.3	93.3	94.5	95.3	78.4	96.5	90.1	85.5	87.6	92.3
24	DKC7181 (IR8003)	93.6	102.3	98.7	99.6	91.4	90.4	94.0	95.3	79.2	94.2	90.9	84.8	87.3	93.5
25	DKC8181 (IR8004)	92.5	104.5	99.6	96.5	91.7	97.7	92.7	96.7	77.9	98.3	91.2	85.7	88.0	94.2
26	EH 2870	92.6	101.5	98.2	97.6	91.4	98.1	93.0	96.1	80.2	95.0	91.8	85.7	88.4	94.4
27	EH 2898	92.3	104.1	98.8	98.8	89.0	96.8	93.0	95.7	78.9	95.4	91.7	86.0	88.2	94.1
28	GH 160295	92.9	103.0	97.3	100.4	87.3	90.2	96.5	95.5	75.6	94.5	92.5	85.9	87.6	93.9
29	GIN-03	92.0	104.5	100.8	99.4	94.1	91.7	93.9	96.4	78.3	95.1	90.9	85.4	87.8	93.6
30	GK 3213	91.0	102.9	98.8	98.5	90.1	87.1	94.8	94.8	80.7	93.4	89.2	87.6	87.1	92.7
31	GK 3215	90.2	102.1	99.2	99.1	88.0	90.1	90.1	94.4	76.5	93.4	89.3	85.4	86.5	92.5
32	HKH 361	90.7	100.8	101.2	100.4	92.9	91.7	95.3	96.2	80.0	96.6	89.0	84.6	87.7	93.5
33	HKH 362	92.0	101.6	98.1	99.3	91.6	91.5	94.3	95.5	79.3	93.1	87.6	85.6	86.2	93.2
34	HKH 363	93.3	101.7	97.5	100.0	88.4	88.8	95.3	94.9	80.9	92.3	88.1	85.1	85.9	91.5
35	HKH 364	91.7	106.0	100.1	98.5	91.1	94.8	94.8	96.7	77.8	98.2	91.1	85.6	88.1	95.1
36	IIMRNH 1702	90.5	102.8	99.9	99.1	90.6	91.3	93.9	95.2	78.2	94.1	89.1	85.5	86.8	92.8
37	IMHBG-17K-1	90.3	104.6	96.8	98.9	89.1	94.4	91.3	95.1	77.1	97.5	91.7	84.8	88.2	94.3

TABLE No. 2: (Contd.)		Days to 75% Dry Husk													
Sl. No.	Entry Name	IV								V					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
38	IMHBG-17K-10	92.8	102.8	98.1	98.5	93.6	92.9	94.3	95.9	77.1	95.0	90.0	85.6	87.2	94.3
39	IMHBG-17K-11	92.0	101.7	100.7	99.2	88.7	92.2	96.9	95.4	82.3	94.7	90.5	85.9	87.9	93.7
40	IMHBG-17K-12	93.1	100.9	99.4	98.7	88.8	92.6	93.8	95.3	78.6	92.7	91.5	86.2	87.4	93.8
41	IMHBG-17K-13	91.5	102.3	98.3	98.1	89.3	93.1	92.7	94.8	78.5	96.3	89.3	84.5	86.9	93.3
42	IMHBG-17K-14	92.8	102.2	99.2	97.8	90.2	93.8	95.7	96.2	79.2	94.6	89.5	87.6	87.6	94.2
43	IMHBG-17K-15	92.0	101.4	98.7	98.7	85.6	89.4	90.5	93.8	79.5	93.1	87.5	86.8	86.7	92.2
44	IMHBG-17K-16	91.8	101.3	96.6	100.4	90.4	87.3	92.3	94.6	80.6	91.7	89.5	85.7	86.9	92.3
45	IMHBG-17K-17	91.7	100.7	99.3	96.5	89.3	91.3	96.3	94.7	81.1	91.9	86.5	85.9	85.8	92.6
46	IMHBG-17K-18	93.1	101.8	99.6	99.3	92.3	90.9	94.4	95.6	78.8	94.5	91.3	85.9	87.8	94.0
47	IMHBG-17K-19	92.8	105.0	99.2	99.1	94.2	93.3	96.4	97.3	81.9	97.6	91.2	85.0	88.6	95.4
48	IMHBG-17K-2	90.7	101.0	97.4	96.4	91.1	90.2	93.4	93.9	81.1	93.3	87.7	84.3	86.4	91.4
49	IMHBG-17K-21	91.1	101.9	99.0	99.4	89.5	93.2	92.4	95.4	75.1	95.5	89.4	85.1	86.5	94.1
50	IMHBG-17K-22	91.9	102.5	99.0	99.5	94.8	96.6	96.4	97.7	76.2	95.3	91.4	86.1	87.6	94.0
51	IMHBG-17K-3	92.0	101.3	97.7	96.8	90.4	91.1	94.4	94.7	78.9	89.0	89.4	83.4	85.7	93.2
52	IMHBG-17K-4	92.7	100.6	98.2	97.4	91.0	92.2	92.5	94.7	80.5	94.1	90.9	85.7	87.7	93.0
53	IMHBG-17K-5	91.3	103.9	100.0	99.0	89.6	92.7	93.8	95.7	79.9	95.4	92.2	86.6	88.6	94.8
54	IMHBG-17K-6	92.7	100.4	100.4	101.1	89.6	92.8	93.9	96.2	78.6	94.0	90.5	84.3	87.3	94.2
55	IMHBG-17K-7	92.3	100.4	96.5	98.9	91.2	94.0	91.8	95.2	79.2	93.5	89.7	86.8	87.2	93.7
56	IMHBG-17K-8	92.6	104.0	101.6	99.0	93.8	95.7	95.9	97.6	79.0	97.2	92.4	85.6	88.6	95.8
57	IMHBG-17K-9	94.6	104.1	97.9	100.0	92.4	94.9	93.4	96.5	77.7	96.0	91.9	86.3	88.2	95.3
58	JASL-2033	91.9	107.2	98.9	96.6	89.0	97.3	91.8	96.1	77.4	96.9	90.6	85.6	88.0	93.5
59	JH 16029	91.0	102.3	97.4	98.5	93.5	92.4	90.8	94.9	78.6	94.3	88.7	86.0	86.9	92.7
60	JH 16045	93.2	105.5	100.9	97.3	93.6	95.1	95.1	97.6	79.7	98.1	91.6	86.2	88.6	94.5
61	JH 32055	91.9	102.1	98.8	97.0	89.1	92.7	92.9	94.7	78.4	92.6	88.7	86.4	86.5	91.8
62	JKMH 15303	94.4	106.7	99.7	97.9	94.3	91.8	94.7	96.9	79.5	95.6	90.1	85.2	87.3	93.8
63	K-27	91.7	103.6	100.0	97.2	93.0	91.8	90.5	95.4	80.5	95.4	91.2	86.7	87.8	93.9
64	KH 103	91.7	102.3	100.5	99.2	94.3	94.0	93.4	96.3	79.6	97.8	91.5	87.1	88.8	94.4
65	KMH 16-1	88.2	99.2	97.2	95.7	90.1	83.7	90.0	91.8	79.1	89.6	84.8	83.3	84.3	89.2
66	KMH 16-2	88.3	99.4	96.3	97.7	89.2	90.2	89.9	93.2	75.6	90.4	87.0	85.7	85.2	90.6
67	KMH 16-25	89.2	101.3	97.5	97.8	90.8	83.4	90.8	92.9	79.6	88.2	86.7	86.3	85.1	89.4
68	KMH 16-29	88.3	94.0	94.5	94.3	88.2	92.1	89.2	91.0	79.4	86.4	83.4	85.5	84.0	88.1
69	KMH 16-40	88.8	97.4	93.5	96.6	86.6	85.6	89.0	91.0	76.7	85.1	84.6	81.2	82.6	88.3
70	KMH 16-42	88.8	100.1	95.1	96.3	89.0	91.9	90.3	93.0	78.7	92.1	86.0	84.7	85.6	89.8
71	LMH 1017	92.0	100.1	100.9	97.4	89.0	91.7	92.9	94.7	79.4	93.4	89.9	86.3	87.3	93.1
72	LMH 817	90.7	101.8	98.5	98.4	90.6	88.7	91.6	94.3	76.7	92.3	90.0	84.2	85.8	92.1
73	LMH 917	93.3	101.6	100.8	100.3	90.9	93.6	94.7	96.5	78.9	96.6	92.2	86.9	88.9	95.2
74	LMH1117	90.0	101.0	98.2	97.9	91.0	93.0	90.7	94.9	76.6	93.3	87.4	85.0	86.1	92.6

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TABLE No. 2: (Contd.)		Days to 75% Dry Husk													
Sl. No.	Entry Name	IV								V					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
75	MMH 16-11	90.6	101.9	97.6	97.6	89.8	91.0	92.0	94.4	82.0	94.0	89.2	85.7	87.0	91.9
76	MMH 16-12	91.5	99.7	97.7	95.9	92.2	92.8	91.2	95.1	77.3	90.9	86.3	84.9	84.8	92.2
77	NMH-4053	93.4	104.0	99.6	97.1	91.1	94.0	98.1	96.6	80.4	95.2	91.9	85.5	87.8	94.5
78	NMH-4139	93.0	108.8	99.4	98.0	93.7	95.2	96.2	97.5	77.6	96.7	91.8	85.0	88.2	94.9
79	NMH-51+	91.8	101.5	97.0	100.4	88.7	91.9	93.4	95.2	80.3	94.1	88.1	86.9	86.7	93.0
80	OMH16-4	91.2	100.7	97.8	99.2	87.9	90.1	93.2	94.7	79.7	92.4	87.9	85.2	86.0	92.4
81	PM17102M	91.8	103.5	100.7	97.6	88.2	91.7	91.8	95.3	77.7	93.6	89.0	85.5	86.4	92.2
82	PM17103M	91.3	101.2	98.1	98.7	90.3	92.8	92.3	95.4	76.4	92.3	92.3	87.3	87.4	93.1
83	RCRMH 4-1	92.5	106.0	99.4	95.2	89.6	96.2	93.5	95.9	77.6	95.9	91.3	86.3	87.9	94.8
84	RCRMH3(CAH156)	92.2	103.2	99.3	99.8	90.5	93.5	94.3	96.0	78.2	94.4	91.0	87.2	87.9	93.5
85	REH 2013-15	93.5	103.7	99.5	98.4	89.8	91.5	94.5	96.0	76.3	96.6	89.8	86.2	87.5	94.9
86	REH 2013-21	92.8	102.0	98.6	99.3	92.3	66.6	96.4	92.5	81.6	95.3	91.6	85.4	87.7	92.8
87	STAR-X-14	92.6	104.6	99.8	96.9	95.1	94.1	94.2	96.5	79.8	95.2	91.4	85.3	88.0	94.5
88	STAR-X-16	91.9	102.7	97.4	96.9	89.4	94.3	94.2	95.1	77.2	93.1	89.6	85.2	86.6	92.6
89	STAR-X-18	91.2	106.7	100.8	98.3	95.8	95.5	94.0	97.6	78.3	95.1	90.2	84.2	86.6	94.0
90	STAR-X-20	90.3	101.3	100.0	97.7	88.6	89.2	91.6	94.2	78.4	93.4	89.0	85.3	86.2	91.6
91	SYN716725	93.1	103.3	97.3	98.7	91.6	95.2	92.9	96.0	78.2	97.3	92.2	87.2	89.0	94.8
92	UDMH-131	89.6	102.6	96.1	98.5	85.8	87.6	89.0	93.0	75.7	95.0	89.3	85.5	86.3	90.8
93	UDMH-132	86.9	99.5	96.5	96.8	89.1	84.4	88.4	91.6	78.5	89.7	85.9	85.2	84.6	88.6
94	VaMH 15005	90.2	101.4	95.9	96.7	89.2	90.2	90.7	93.3	79.5	92.8	86.1	85.6	86.4	90.5
95	VaMH 15036	90.1	101.8	101.6	98.4	91.2	88.5	93.4	95.0	78.9	92.9	90.5	84.0	86.2	92.5
96	WH-1010	90.2	100.2	98.7	97.0	88.3	87.7	91.3	93.1	79.3	90.9	85.8	83.5	85.1	90.4
97	WH-1094	93.5	100.9	99.5	98.6	89.3	88.7	95.4	95.0	79.1	92.0	87.2	85.7	85.9	92.2
98	CMH 08-292 (C)	90.1	103.2	99.6	99.0	86.2	93.6	92.5	94.7	76.9	93.4	88.8	87.7	87.1	92.3
99	BIO 9544 (C)	91.0	106.0	100.6	99.4	90.1	92.8	94.0	96.1	79.0	94.6	92.4	87.1	88.2	94.8
100	DHM 121 (C)	92.6	102.7	102.1	97.3	90.9	97.0	62.5	92.7	51.1	93.5	91.4	86.5	80.6	.
	Location Mean	91.7	102.4	98.8	98.3	90.4	91.9	93.1	95.2	78.2	94.2	89.8	85.6	87.0	92.9
	CV (%)	1.4	2.1	1.5	1.9	3.1	6.5	6.1	3.7	8.4	2.0	1.9	1.6	4.1	3.5
	F (Prob)	0.00	0.00	0.00	0.02	0.00	0.20	0.17	1.00	0.40	0.00	0.00	0.01	1.00	1.00
	CD (5%)	2.1	3.5	2.4	3.0	4.6	9.6	9.2	2.2	10.6	3.0	2.7	2.2	2.9	1.2
	CD (1%)	2.7	4.6	3.2	4.0	6.0	12.6	12.1	2.9	14.0	3.9	3.6	2.9	3.9	1.5

TABLE No. 2: (Contd.)		Plant Height(cm)																
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)							
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	16402-008-01-01-03-5-2	114.4	85.6	181.4	227.7	127.0	129.7	89.9	.	.	94.9	177.8	171.4	.	114.4	77.5	125.9	
2	ADV 140187	202.5	137.8	216.3	221.4	184.6	216.3	199.3	223.0	215.2	168.6	185.7	167.8	122.4	182.7	159.7	171.9	
3	ADV 140235	206.2	129.9	212.3	259.6	182.3	194.1	203.5	248.1	217.0	178.2	178.3	151.7	134.6	164.1	157.4	167.2	
4	AH 6007	220.8	103.6	189.0	221.9	172.5	213.2	199.5	213.5	205.8	167.1	179.7	162.7	129.8	166.5	176.3	169.9	
5	AH 6008	225.1	137.3	205.2	220.5	189.2	205.9	200.3	215.6	208.7	177.6	178.7	173.6	141.8	189.3	179.3	178.7	
6	AH 6009	231.4	113.8	189.5	257.0	177.6	221.4	185.6	210.9	206.6	175.4	180.6	178.9	108.4	170.6	160.2	173.0	
7	AH 6017	231.9	113.6	189.5	227.3	178.3	187.4	193.5	210.3	195.9	164.3	183.0	178.6	138.4	162.8	158.5	170.5	
8	AH-1606	238.0	107.0	197.5	223.1	181.5	210.8	210.6	239.6	223.2	174.8	178.9	178.0	127.3	183.6	184.5	181.3	
9	AH-7067R	197.4	115.0	186.7	155.0	166.3	196.1	182.8	235.8	204.1	185.1	179.0	177.7	122.8	169.4	178.3	178.5	
10	AMH-14258	226.6	120.3	210.3	154.2	185.5	211.4	217.8	236.4	225.1	192.8	178.4	159.3	130.7	170.2	166.8	174.1	
11	BH 415012	235.9	117.3	188.4	217.9	179.5	162.4	182.8	223.7	188.3	170.8	176.8	169.3	111.9	156.1	166.6	166.6	
12	BH 415100	209.6	112.9	176.0	259.8	166.2	177.2	177.5	212.2	190.7	167.0	182.0	155.6	96.8	160.0	152.7	163.3	
13	BH 415158	221.6	128.1	195.7	263.3	181.8	218.7	210.7	251.6	229.4	170.4	180.2	189.2	161.6	178.7	175.0	179.6	
14	BLH 117	217.3	118.0	204.6	215.4	179.4	227.4	207.4	226.9	220.2	187.6	182.2	181.0	133.9	174.3	183.2	180.5	
15	BLH 118	235.8	116.3	203.0	152.5	183.8	217.6	188.5	247.7	215.3	195.9	179.9	186.5	144.3	182.9	176.7	183.2	
16	BLH 119	224.3	126.8	190.5	220.5	179.7	205.6	191.0	224.0	204.6	169.6	182.9	165.3	129.8	160.3	167.5	169.2	
17	BLH 120	206.2	114.8	179.6	296.7	168.3	193.9	180.8	218.5	201.9	164.4	186.3	163.7	94.9	171.1	164.7	170.7	
18	BLH 121	229.3	94.0	205.6	220.4	175.6	178.7	205.9	236.9	206.9	160.6	185.1	179.3	118.6	160.5	180.0	173.4	
19	BLH 122	211.5	122.9	214.4	265.3	182.7	212.4	205.1	231.9	216.2	185.9	179.0	182.1	161.9	188.4	182.2	184.9	
20	BRMH-10 (CAH-1566)	195.3	114.0	181.0	153.0	162.5	201.8	183.2	235.7	204.7	165.5	181.8	166.1	122.1	157.3	166.2	166.1	
21	CCH 1818	203.7	115.6	201.8	218.5	172.4	208.0	174.0	216.7	195.0	155.5	181.1	163.7	128.3	147.9	152.4	160.8	
22	DAS-MH-311	221.2	143.7	181.4	927.0	182.1	198.0	188.5	207.0	201.7	167.2	180.2	165.4	90.7	168.2	164.7	170.4	
23	DH-314	216.0	104.2	185.0	217.0	166.5	207.0	191.0	194.7	196.0	150.3	179.0	161.8	114.7	162.1	155.4	161.5	
24	DKC7181 (IR8003)	245.6	113.3	206.9	147.7	188.5	211.2	210.8	256.7	225.7	185.9	179.2	127.8	114.3	188.8	177.4	171.6	
25	DKC8181 (IR8004)	209.1	110.0	209.3	221.0	176.5	226.4	204.5	249.9	221.8	194.2	177.9	168.6	139.9	171.2	158.0	174.0	
26	EH 2870	247.8	134.5	202.4	223.3	195.5	208.5	225.7	248.7	225.0	182.9	181.0	185.4	116.7	181.4	191.8	184.6	
27	EH 2898	236.4	144.7	197.2	252.3	193.4	171.1	206.5	204.5	194.6	170.6	180.8	158.8	88.2	185.2	174.7	174.7	
28	GH 160295	234.7	118.8	206.1	265.6	187.0	219.6	209.1	239.2	224.1	165.0	180.8	173.3	133.2	168.9	157.6	170.6	
29	GIN-03	210.3	112.0	192.0	225.7	170.2	199.2	185.3	181.6	186.8	166.2	182.1	164.2	116.3	159.6	149.3	163.1	
30	GK 3213	233.0	120.0	210.8	225.8	188.1	221.8	231.8	230.7	228.4	183.5	177.9	164.9	152.8	190.2	173.6	177.9	
31	GK 3215	235.8	124.2	221.6	221.8	195.4	190.3	222.5	190.0	201.3	187.0	181.5	178.3	149.6	182.3	175.6	182.1	
32	HKH 361	234.7	144.6	195.8	229.6	190.9	197.6	211.8	195.0	199.5	174.8	184.2	174.7	124.7	175.3	172.0	176.1	
33	HKH 362	210.9	129.6	193.0	268.7	177.6	204.8	198.9	221.1	209.4	173.5	179.8	172.9	96.5	161.2	167.4	171.6	
34	HKH 363	215.7	122.2	198.5	229.1	178.6	211.1	200.8	218.4	210.5	178.5	180.4	179.6	138.2	170.1	157.6	171.9	
35	HKH 364	225.6	126.9	206.6	224.5	186.5	198.1	190.9	226.4	206.9	187.8	182.8	162.6	162.6	160.4	167.3	173.0	
36	IIMRNH 1702	229.6	130.8	204.5	222.5	187.7	178.6	184.6	216.8	192.6	176.9	181.2	175.5	138.1	185.0	161.9	177.0	
37	IMHBG-17K-1	209.0	114.2	184.7	231.5	171.0	197.0	174.2	229.5	202.2	149.1	180.5	142.6	121.7	173.3	144.7	160.8	

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TABLE No. 2: (Contd.)		Plant Height(cm)															
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
38	IMHBG-17K-10	239.8	113.4	206.2	220.6	186.0	213.2	194.4	240.9	217.2	182.2	180.1	179.4	130.3	177.5	177.4	179.5
39	IMHBG-17K-11	228.1	129.7	190.1	225.5	183.8	211.3	168.7	200.5	190.2	162.4	184.3	161.3	143.6	168.3	150.6	165.6
40	IMHBG-17K-12	213.1	126.7	200.4	224.6	181.5	181.2	203.8	219.3	200.7	171.5	180.2	167.7	146.6	168.6	176.2	174.5
41	IMHBG-17K-13	234.8	123.3	200.5	155.1	186.5	217.7	185.8	237.5	211.0	174.7	178.2	183.5	119.1	169.8	169.6	175.5
42	IMHBG-17K-14	229.8	124.8	199.8	268.4	184.5	196.2	197.6	219.2	209.0	183.9	181.9	191.9	152.7	177.6	182.1	183.0
43	IMHBG-17K-15	248.8	109.5	200.9	260.3	187.6	203.1	209.7	221.1	213.1	200.3	182.8	189.2	102.7	187.4	173.0	187.3
44	IMHBG-17K-16	253.9	126.7	210.5	227.3	196.5	235.2	210.7	247.0	232.3	184.7	178.9	182.8	145.4	180.5	186.1	182.9
45	IMHBG-17K-17	248.1	126.5	211.1	230.2	196.2	238.3	210.6	236.9	228.4	188.7	181.1	187.0	147.4	189.7	180.6	185.2
46	IMHBG-17K-18	236.6	134.8	206.9	162.9	191.0	232.5	212.8	239.1	229.0	126.2	179.7	214.0	144.9	186.4	201.5	180.3
47	IMHBG-17K-19	237.0	119.4	219.7	222.9	193.3	207.7	224.1	246.6	227.0	181.7	181.8	178.8	132.2	183.1	199.7	184.9
48	IMHBG-17K-2	229.2	92.1	191.6	219.3	172.1	194.8	172.3	228.1	197.4	177.2	185.4	158.2	110.9	158.1	164.8	168.1
49	IMHBG-17K-21	217.2	119.3	209.5	224.4	182.3	226.7	211.0	261.1	232.3	175.2	178.0	181.3	169.0	176.6	175.9	178.0
50	IMHBG-17K-22	196.6	112.3	184.6	212.7	162.8	198.3	210.4	213.8	204.1	171.6	180.5	156.9	115.4	165.1	158.4	166.3
51	IMHBG-17K-3	200.7	112.5	185.5	259.3	166.3	161.2	157.4	214.4	179.0	158.6	181.0	142.1	103.5	149.6	140.5	154.4
52	IMHBG-17K-4	220.5	100.9	200.0	262.8	175.0	209.3	177.9	223.8	206.5	173.9	181.0	175.7	87.0	166.9	183.5	177.0
53	IMHBG-17K-5	231.2	115.6	191.6	227.7	180.3	209.5	198.5	243.8	217.0	176.8	179.9	175.7	124.7	165.2	188.2	175.7
54	IMHBG-17K-6	247.2	126.1	219.4	229.9	197.7	211.2	211.9	258.3	229.9	175.4	183.0	159.8	145.6	180.3	198.8	179.4
55	IMHBG-17K-7	229.7	114.2	194.9	215.0	177.9	221.6	197.7	237.0	212.4	191.4	179.0	182.6	139.9	170.2	189.5	181.3
56	IMHBG-17K-8	212.5	108.0	196.6	226.5	173.2	216.9	203.3	246.7	225.8	176.0	177.1	181.5	120.4	186.9	199.9	184.2
57	IMHBG-17K-9	214.4	110.4	198.3	264.5	175.5	205.1	187.8	213.8	203.2	164.4	180.8	160.9	424.8	170.8	169.6	170.8
58	JASL-2033	230.0	118.2	177.8	220.7	177.0	203.1	182.4	244.2	211.8	170.7	181.8	181.6	118.6	178.7	159.3	174.0
59	JH 16029	230.9	118.8	216.2	160.7	188.5	215.0	210.2	271.3	234.7	185.0	179.5	204.1	142.5	189.3	186.3	188.2
60	JH 16045	236.3	117.9	206.1	213.7	185.7	217.4	213.1	258.9	228.2	186.6	180.1	184.4	117.3	168.5	185.2	181.4
61	JH 32055	233.4	108.4	201.3	225.6	182.0	213.3	185.4	243.8	215.3	189.3	180.0	172.8	142.4	171.8	174.7	179.1
62	JKMH 15303	239.1	112.8	211.3	225.4	188.1	218.5	206.8	243.2	223.8	196.6	182.8	182.2	127.6	184.6	183.4	184.8
63	K-27	204.9	100.8	195.7	223.2	167.0	213.5	185.9	216.4	204.6	198.3	183.5	176.6	124.9	164.7	171.7	178.2
64	KH 103	227.5	130.7	188.1	217.7	180.8	192.1	198.5	222.1	201.5	171.2	179.4	174.8	120.6	175.9	174.9	174.4
65	KMH 16-1	191.5	118.4	182.1	231.2	165.1	212.4	179.9	199.0	197.4	145.9	178.9	165.3	102.4	168.9	165.1	165.8
66	KMH 16-2	199.2	131.7	199.5	228.7	175.4	213.4	181.1	208.3	199.7	166.1	180.3	160.7	99.4	157.3	162.3	165.2
67	KMH 16-25	234.1	135.4	189.6	228.7	186.7	170.9	183.9	215.7	193.6	162.2	174.9	156.7	116.9	159.4	149.3	161.7
68	KMH 16-29	179.0	123.3	189.9	214.3	165.7	192.1	162.1	208.9	184.9	156.8	181.8	160.2	104.7	158.3	151.9	161.6
69	KMH 16-40	211.6	121.9	184.8	220.7	174.4	177.8	177.3	201.5	186.4	157.6	184.0	174.8	111.2	160.8	162.9	168.0
70	KMH 16-42	220.7	109.8	190.0	238.8	173.0	208.1	176.9	216.0	202.8	162.4	179.8	166.2	114.4	168.7	152.7	164.6
71	LMH 1017	253.2	109.8	214.8	229.1	191.4	212.1	201.4	251.2	223.5	183.5	179.4	173.0	124.4	189.1	206.5	184.8
72	LMH 817	235.2	124.8	191.5	212.9	183.1	210.2	188.7	221.1	203.3	183.1	179.7	174.9	134.6	180.8	176.4	177.0
73	LMH 917	203.4	121.3	188.1	222.1	170.9	197.0	185.1	189.2	188.3	160.8	180.4	168.3	129.8	161.5	165.4	166.3
74	LMH1117	222.6	128.5	185.5	255.6	178.0	199.4	190.6	208.5	200.4	173.4	179.6	163.7	125.8	159.4	159.3	166.6

TABLE No. 2: (Contd.)		Plant Height(cm)															
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
75	MMH 16-11	221.2	118.9	187.3	218.6	174.9	185.4	184.8	224.1	196.3	180.4	180.3	165.6	121.8	162.5	176.9	172.7
76	MMH 16-12	196.3	91.9	180.8	229.9	155.4	196.4	167.9	180.4	181.8	155.2	178.1	159.3	100.3	145.2	152.7	158.5
77	NMH-4053	233.5	113.3	209.6	221.1	185.6	218.4	204.6	239.2	218.2	178.8	183.9	173.1	111.2	176.0	171.0	173.6
78	NMH-4139	231.0	136.0	217.6	222.5	196.3	204.9	195.6	202.2	200.8	187.8	182.0	179.0	127.6	190.2	171.8	180.8
79	NMH-51+	215.8	109.5	190.3	155.1	169.7	205.9	176.4	224.3	199.7	184.9	179.0	174.3	115.8	158.3	166.3	172.7
80	OMH16-4	241.9	131.2	182.9	236.8	183.0	215.3	197.7	235.4	215.5	191.3	180.7	179.6	130.9	183.0	164.8	179.0
81	PM17102M	226.9	110.5	205.8	230.1	181.5	199.1	205.7	230.1	208.5	184.3	181.5	166.4	126.9	184.8	160.3	175.8
82	PM17103M	193.9	114.8	187.6	227.3	164.7	204.7	185.9	225.5	204.5	173.0	178.6	148.3	121.4	175.9	167.8	169.2
83	RCRMH 4-1	227.1	110.8	192.6	228.5	177.2	209.5	201.1	218.4	210.2	164.8	182.6	169.6	119.4	164.0	165.1	168.2
84	RCRMH3(CAH156)	242.4	120.4	201.1	234.0	188.3	226.1	202.7	250.9	225.1	176.3	179.2	178.1	140.7	174.6	191.4	180.7
85	REH 2013-15	215.5	129.5	186.6	222.7	177.2	204.2	207.0	210.4	209.6	168.3	182.0	174.5	140.1	163.1	177.0	173.1
86	REH 2013-21	221.1	112.3	199.0	222.4	176.9	228.1	191.3	231.6	215.1	185.5	183.0	159.8	132.8	188.5	177.9	179.4
87	STAR-X-14	222.5	124.7	182.2	217.5	178.4	198.9	194.8	226.4	207.3	184.5	180.9	167.6	120.4	163.2	156.4	172.1
88	STAR-X-16	200.1	105.2	179.8	220.8	161.6	188.0	170.5	210.4	187.7	162.8	177.7	164.8	97.3	162.2	168.1	167.8
89	STAR-X-18	214.5	121.7	198.3	223.1	178.2	202.3	196.3	212.4	201.6	174.8	185.4	177.5	111.5	178.1	180.3	178.1
90	STAR-X-20	209.7	121.6	199.3	224.0	176.9	196.5	196.1	209.0	202.5	172.3	183.3	163.3	111.6	169.4	161.5	168.7
91	SYN716725	218.7	150.9	197.3	223.9	188.5	193.4	197.7	209.1	200.2	163.1	181.9	163.9	113.9	164.9	167.8	169.3
92	UDMH-131	164.1	101.2	183.9	226.7	149.8	159.1	159.3	160.1	156.4	117.8	180.1	130.9	88.5	138.4	135.5	141.0
93	UDMH-132	171.2	97.2	190.1	225.6	151.8	186.7	170.2	195.3	186.2	149.8	179.6	139.6	103.9	151.3	144.5	152.0
94	VaMH 15005	237.0	119.0	211.8	259.8	190.6	204.8	198.9	258.9	224.0	178.3	177.3	169.3	100.6	186.3	163.3	176.6
95	VaMH 15036	209.2	96.8	184.4	213.8	164.6	192.4	187.9	223.8	201.2	167.5	180.1	180.7	127.9	181.0	177.1	176.0
96	WH-1010	233.5	108.9	199.3	224.8	181.4	191.3	191.4	220.8	202.1	164.6	180.8	174.9	123.3	162.4	163.1	168.2
97	WH-1094	246.5	129.4	213.6	215.4	196.0	221.9	204.5	264.0	231.7	195.7	180.9	177.9	176.0	189.3	189.4	187.3
98	CMH 08-292 (C)	233.0	135.0	200.7	261.4	190.9	181.4	221.6	259.3	225.2	189.3	179.7	179.0	93.0	194.4	196.9	190.2
99	BIO 9544 (C)	196.9	102.3	184.1	186.8	160.9	178.2	191.8	228.1	199.6	171.0	180.7	157.7	114.1	155.1	165.6	163.8
100	DHM 121 (C)	202.4	107.2	194.0	220.2	168.1	199.2	181.4	233.5	203.8	169.0	180.6	154.3	.	162.1	162.7	166.9
	Location Mean	220.5	118.4	197.0	230.9	173.5	202.8	193.7	225.4	207.2	173.5	180.7	170.3	127.9	171.0	169.4	173.2
	CV (%)	5.5	14.8	5.7	52.8	8.2	11.7	8.7	8.9	9.9	10.5	2.0	11.3	43.2	7.4	6.5	8.3
	F (Prob)	0.00	0.09	0.00	0.50	1.00	0.02	0.00	0.00	1.00	0.00	0.84	0.10	0.29	0.00	0.00	1.00
	CD (5%)	19.7	28.3	18.0	196.3	15.0	38.3	27.2	32.4	19.4	29.2	5.9	31.1	89.1	20.5	17.9	11.2
	CD (1%)	26.1	37.3	23.8	259.1	19.7	50.6	35.8	42.7	25.6	38.6	7.8	41.1	117.7	27.1	23.7	14.8

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TABLE No. 2: (Contd.)		Plant Height(cm)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	16402-008-01-01-03-5-2	86.9	102.4	111.0	152.6	162.6	122.1	142.3	125.6	106.7	93.6	126.1	58.3	96.1	.
2	ADV 140187	176.6	235.3	229.7	175.6	247.8	279.6	200.1	222.0	169.2	188.9	173.7	147.1	171.3	195.4
3	ADV 140235	191.8	235.8	233.5	200.0	249.4	273.9	204.9	226.5	181.0	196.1	174.9	160.4	175.8	196.3
4	AH 6007	176.1	224.6	213.7	171.1	233.8	255.0	197.8	209.7	173.1	185.9	164.9	162.3	172.9	188.5
5	AH 6008	178.3	240.9	216.0	187.4	246.3	272.0	231.9	225.0	178.1	186.4	171.0	158.6	173.6	198.0
6	AH 6009	172.8	217.3	224.0	183.7	243.3	259.3	202.9	213.5	172.4	199.0	168.3	160.2	174.3	191.2
7	AH 6017	169.3	218.1	212.6	196.0	231.7	219.6	202.7	206.9	181.0	175.2	165.5	130.4	161.7	185.0
8	AH-1606	178.7	238.2	232.9	209.2	253.4	259.7	217.8	228.5	183.4	206.4	193.4	164.8	186.2	202.9
9	AH-7067R	172.0	217.0	214.5	172.5	233.1	253.5	194.9	208.9	167.0	180.0	144.2	154.0	161.4	186.9
10	AMH-14258	171.9	226.5	223.4	183.3	239.8	273.8	193.3	217.4	169.3	195.1	184.6	169.5	179.9	197.4
11	BH 415012	158.7	209.3	223.3	168.9	235.9	248.1	190.3	204.8	166.1	181.2	176.0	153.0	169.1	184.0
12	BH 415100	163.4	211.7	216.0	171.7	235.1	249.7	183.4	203.6	178.6	162.2	171.2	145.2	163.5	180.1
13	BH 415158	185.1	234.6	225.8	205.0	245.9	268.8	213.6	225.9	174.5	176.6	184.8	180.3	177.2	200.8
14	BLH 117	195.4	253.6	235.1	181.0	250.1	284.1	207.1	229.3	178.0	211.3	189.2	169.9	186.4	202.4
15	BLH 118	190.8	243.8	238.0	196.4	245.2	282.5	192.4	227.1	169.6	208.8	189.4	161.8	183.6	201.8
16	BLH 119	180.5	233.1	214.9	180.5	247.7	262.0	192.5	215.7	176.5	179.6	166.9	144.2	166.2	189.7
17	BLH 120	176.8	210.4	232.1	195.8	233.0	260.3	197.3	215.0	174.7	177.7	164.4	146.4	164.5	187.5
18	BLH 121	187.8	235.6	231.5	183.7	236.2	254.3	209.0	219.2	164.2	193.5	190.2	161.0	177.8	193.5
19	BLH 122	191.1	248.5	239.4	194.2	247.3	290.5	204.2	230.6	169.0	210.0	184.1	170.5	183.0	203.0
20	BRMH-10 (CAH-1566)	170.9	214.3	213.8	174.6	237.3	236.0	195.1	206.3	181.1	164.7	176.8	153.5	168.3	184.2
21	CCH 1818	178.6	202.4	216.2	181.3	229.5	250.6	184.7	205.9	177.3	167.4	160.5	145.8	162.2	181.7
22	DAS-MH-311	174.5	222.5	220.5	191.8	241.3	260.1	190.8	214.6	165.3	193.4	178.5	153.6	172.3	190.5
23	DH-314	175.1	212.0	230.0	173.7	239.3	255.7	195.2	210.3	160.1	183.4	153.8	153.8	162.5	182.5
24	DKC7181 (IR8003)	183.8	248.9	238.2	202.0	249.3	291.7	219.1	232.2	165.4	204.3	194.6	188.6	190.0	203.8
25	DKC8181 (IR8004)	178.6	229.7	229.6	191.8	252.3	256.9	193.7	217.9	163.2	188.7	162.7	163.4	170.5	194.3
26	EH 2870	195.1	242.1	226.7	197.4	252.0	283.7	206.1	228.7	174.5	227.3	191.0	181.9	193.2	207.3
27	EH 2898	186.0	231.0	230.6	191.1	244.5	284.7	216.3	226.1	171.7	199.4	172.0	171.7	179.4	197.1
28	GH 160295	182.3	247.1	233.4	191.8	257.1	281.9	217.0	230.3	165.5	198.2	187.4	167.8	180.3	200.8
29	GIN-03	169.2	220.4	214.9	169.4	224.5	238.2	181.7	203.0	164.6	184.9	169.7	144.5	167.0	180.8
30	GK 3213	190.7	259.2	240.8	213.1	253.1	291.5	226.7	240.3	178.0	210.8	196.1	156.3	182.0	206.9
31	GK 3215	190.1	239.9	247.0	204.0	259.1	283.2	218.9	235.2	170.2	210.3	168.6	151.1	175.0	202.2
32	HKH 361	186.6	237.0	228.8	181.2	243.9	259.6	193.9	219.5	172.6	192.0	179.9	170.4	178.8	195.7
33	HKH 362	182.7	222.0	231.4	199.2	232.6	270.9	201.0	220.3	178.8	194.1	182.6	149.0	176.9	194.0
34	HKH 363	164.3	228.4	217.5	189.7	239.5	267.0	214.4	218.1	176.2	184.2	185.6	161.9	175.8	193.6
35	HKH 364	185.5	242.0	240.6	191.6	248.0	289.8	214.1	230.9	177.3	208.3	186.4	162.8	183.1	199.7
36	IIMRNH 1702	181.1	247.8	230.3	192.0	248.1	282.6	224.1	228.3	178.5	204.1	198.9	173.0	188.7	198.9
37	IMHBG-17K-1	171.5	220.9	224.9	185.1	224.6	249.6	190.2	210.3	178.8	172.0	161.4	140.8	164.0	184.1

TABLE No. 2: (Contd.)		Plant Height(cm)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
38	IMHBG-17K-10	183.8	236.4	225.8	205.8	227.1	273.4	206.8	221.7	178.3	172.5	183.9	160.6	173.2	197.7
39	IMHBG-17K-11	161.6	230.3	228.2	190.9	247.0	248.1	208.1	215.7	172.6	187.2	180.0	171.0	177.3	189.6
40	IMHBG-17K-12	178.3	224.6	228.9	187.5	248.3	240.1	201.7	216.4	180.0	187.2	182.9	163.1	178.1	193.1
41	IMHBG-17K-13	182.9	230.5	232.8	177.0	245.8	266.0	210.0	221.1	167.4	190.3	182.0	167.2	177.6	196.9
42	IMHBG-17K-14	185.4	234.3	232.9	194.0	255.9	263.4	215.8	227.0	174.0	204.8	177.1	163.5	180.0	200.1
43	IMHBG-17K-15	194.2	240.4	238.9	205.1	251.7	277.0	224.4	232.9	170.6	212.1	207.3	197.2	198.2	207.3
44	IMHBG-17K-16	193.6	253.8	234.8	195.5	247.7	297.4	215.5	234.8	175.4	211.1	197.7	164.5	186.3	208.6
45	IMHBG-17K-17	198.8	239.3	227.5	202.4	252.4	275.5	235.3	233.9	178.2	207.9	208.9	173.7	192.4	209.6
46	IMHBG-17K-18	185.8	253.4	238.8	189.1	249.1	284.0	208.4	230.5	168.8	212.4	200.8	187.3	192.6	206.6
47	IMHBG-17K-19	183.4	220.3	237.6	207.8	239.9	249.7	206.9	221.5	180.0	204.5	179.6	173.2	181.5	202.9
48	IMHBG-17K-2	170.6	223.8	231.4	194.2	228.7	268.2	196.3	214.8	178.0	177.0	179.6	154.6	173.1	188.4
49	IMHBG-17K-21	181.9	237.7	231.7	189.1	247.4	283.5	197.2	224.3	165.9	197.9	172.7	150.8	173.2	199.9
50	IMHBG-17K-22	156.1	208.0	207.0	182.5	224.6	259.2	185.8	203.3	164.8	178.3	169.0	147.6	166.1	182.8
51	IMHBG-17K-3	170.0	209.3	207.9	177.9	238.8	235.0	182.6	201.3	170.4	178.8	182.0	152.0	171.1	177.1
52	IMHBG-17K-4	166.2	223.0	208.8	180.2	245.4	250.1	220.1	213.9	175.9	196.6	180.3	146.2	174.0	191.9
53	IMHBG-17K-5	186.0	227.0	236.8	205.7	248.0	280.6	209.6	228.6	173.3	188.1	185.9	170.4	177.4	199.3
54	IMHBG-17K-6	185.7	240.2	241.2	194.0	254.9	286.3	207.1	230.1	164.8	211.8	187.8	181.1	186.4	206.1
55	IMHBG-17K-7	176.8	227.1	232.9	199.4	237.2	261.7	210.9	219.7	175.4	196.7	168.5	160.9	176.1	196.5
56	IMHBG-17K-8	182.9	235.2	231.6	201.3	239.5	275.2	205.0	225.8	169.4	189.6	180.4	162.1	175.2	200.0
57	IMHBG-17K-9	182.1	226.8	231.3	185.4	240.9	254.0	212.8	218.9	171.6	194.8	176.4	158.5	175.2	191.9
58	JASL-2033	176.2	230.1	230.1	192.8	253.0	288.6	192.0	222.9	162.7	207.6	189.7	143.1	176.6	195.6
59	JH 16029	183.0	232.3	233.7	191.8	256.8	283.0	221.7	229.9	175.2	210.7	201.1	186.8	192.0	208.5
60	JH 16045	183.0	234.8	224.0	188.7	247.7	274.8	218.2	224.2	178.3	169.5	179.5	169.1	173.4	200.5
61	JH 32055	180.1	243.5	228.9	187.7	249.0	250.2	205.8	220.7	177.6	198.2	188.4	178.7	185.5	198.8
62	JKMH 15303	182.3	252.5	238.2	206.3	257.4	292.8	217.7	235.5	170.0	196.2	187.7	156.9	176.8	205.3
63	K-27	166.8	226.7	225.9	188.0	245.3	259.4	195.5	215.8	173.6	178.6	168.9	140.4	166.1	190.1
64	KH 103	165.9	229.4	212.4	182.3	236.8	235.7	190.7	207.3	169.4	175.0	159.4	166.1	168.6	188.4
65	KMH 16-1	173.3	214.7	198.9	165.4	239.6	240.7	183.2	202.5	166.4	178.2	148.4	140.8	157.5	180.2
66	KMH 16-2	172.0	207.8	214.2	196.6	241.4	261.4	185.1	211.0	159.5	173.9	167.1	149.7	162.8	185.4
67	KMH 16-25	172.6	226.5	209.8	175.1	238.7	239.9	185.6	207.4	169.8	172.8	153.1	141.5	159.5	183.5
68	KMH 16-29	160.5	200.5	191.4	182.3	225.1	238.8	174.2	194.0	169.1	156.2	151.9	141.7	157.1	174.9
69	KMH 16-40	162.8	208.7	222.5	188.9	229.8	239.1	197.9	206.9	162.2	165.9	173.3	134.8	161.3	182.6
70	KMH 16-42	157.5	211.9	206.0	166.9	237.8	238.9	189.1	201.6	166.9	178.4	167.6	140.2	163.3	182.5
71	LMH 1017	182.4	247.0	241.6	192.6	253.5	278.4	234.6	232.3	178.7	224.8	198.7	182.4	194.6	207.8
72	LMH 817	179.9	237.7	234.6	179.8	247.4	277.8	193.2	221.8	167.0	190.1	181.9	164.7	178.5	196.1
73	LMH 917	177.1	211.1	210.5	172.9	225.9	247.1	200.2	207.4	167.4	182.7	164.3	159.5	168.2	183.6
74	LMH1117	173.0	221.2	225.1	193.4	227.1	249.8	190.3	211.4	163.1	192.9	173.9	161.4	173.4	188.2

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TABLE No. 2: (Contd.)		Plant Height(cm)													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
75	MMH 16-11	171.1	225.5	214.3	181.0	242.7	240.6	202.7	210.3	179.8	182.8	184.3	150.8	173.0	188.2
76	MMH 16-12	170.6	200.4	200.7	173.8	230.0	216.9	177.3	195.3	173.3	188.3	143.9	132.7	159.5	173.0
77	NMH-4053	181.0	238.3	235.7	186.0	244.6	290.6	220.7	228.3	177.0	190.0	191.5	166.4	180.6	200.2
78	NMH-4139	187.3	257.2	241.9	182.2	245.9	296.4	209.9	231.6	167.8	194.5	181.3	185.8	183.3	202.4
79	NMH-51+	174.6	226.9	218.5	185.8	247.9	246.9	190.5	212.9	164.9	177.9	170.5	134.5	160.1	186.4
80	OMH16-4	172.0	223.8	229.7	188.3	243.5	244.0	191.4	212.5	172.6	206.6	168.6	162.1	176.9	194.7
81	PM17102M	177.8	228.5	219.5	186.1	245.6	262.7	194.2	216.2	176.2	185.9	168.1	153.3	170.0	193.0
82	PM17103M	158.1	212.3	210.2	182.4	246.7	243.8	192.9	206.1	161.0	172.0	163.2	156.4	165.0	184.3
83	RCRMH 4-1	175.1	218.0	221.1	176.7	233.0	269.6	201.7	213.1	170.1	189.3	177.2	155.6	171.8	190.1
84	RCRMH3(CAH156)	186.0	229.1	237.8	209.2	243.8	271.2	214.6	228.6	166.5	200.3	188.9	144.7	174.4	202.1
85	REH 2013-15	171.8	218.6	231.0	188.7	237.0	248.0	166.6	208.9	167.3	183.5	162.3	140.1	164.1	188.3
86	REH 2013-21	186.1	246.0	221.3	193.3	243.5	272.8	204.7	222.6	174.9	213.1	189.5	162.4	183.8	198.4
87	STAR-X-14	174.4	228.4	231.1	194.8	251.0	254.5	223.1	222.3	173.3	197.2	165.2	172.9	178.7	194.9
88	STAR-X-16	171.1	224.0	209.0	178.3	233.5	252.9	194.3	208.1	163.3	168.8	173.8	147.0	163.3	181.7
89	STAR-X-18	176.6	240.3	220.9	188.3	242.3	275.8	209.1	222.4	172.8	196.2	177.3	148.5	174.8	195.0
90	STAR-X-20	174.3	211.6	214.4	190.8	240.6	267.7	196.5	213.8	168.9	164.8	166.0	141.0	159.8	187.1
91	SYN716725	170.9	229.9	229.8	191.4	248.6	264.8	208.1	220.3	176.4	190.3	163.5	162.3	172.6	192.9
92	UDMH-131	130.1	188.4	171.1	150.5	214.9	181.1	149.8	168.7	172.2	142.6	110.2	114.9	135.9	152.2
93	UDMH-132	153.4	169.6	173.6	163.4	216.7	232.7	167.2	182.3	160.9	128.0	122.5	111.1	131.6	162.4
94	VaMH 15005	179.5	236.5	231.8	197.9	249.1	248.1	195.6	219.7	178.1	191.5	187.1	165.6	180.5	199.2
95	VaMH 15036	178.2	226.0	224.9	189.7	243.8	246.8	199.9	215.8	175.7	185.5	165.9	165.5	172.5	190.1
96	WH-1010	175.2	225.7	223.0	192.1	228.9	262.3	196.6	215.4	170.8	182.1	164.2	166.1	173.0	190.6
97	WH-1094	190.7	246.3	234.8	201.3	257.4	258.2	217.2	228.5	182.0	207.2	205.2	189.0	195.7	209.0
98	CMH 08-292 (C)	192.4	245.5	241.3	208.9	264.1	290.0	233.5	240.1	167.5	218.3	189.3	160.6	185.5	209.9
99	BIO 9544 (C)	167.1	214.3	207.6	181.2	233.2	236.1	196.0	206.5	169.8	166.7	172.5	147.7	164.6	182.2
100	DHM 121 (C)	182.7	212.6	228.5	179.3	229.5	267.5	124.0	203.3	109.0	198.5	162.4	142.5	153.3	181.2
	Location Mean	176.3	227.1	223.4	187.9	241.6	260.7	200.6	216.8	170.6	188.6	175.4	157.2	172.9	192.3
	CV (%)	4.9	4.1	3.3	7.1	4.2	7.6	9.3	6.1	9.2	7.6	7.8	9.2	8.4	7.8
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.14	0.00	0.00	0.00	1.00	1.00
	CD (5%)	13.8	15.2	11.8	21.5	16.2	31.9	30.1	8.4	25.4	23.2	22.0	23.3	12.2	5.5
	CD (1%)	18.2	20.0	15.6	28.4	21.4	42.1	39.7	11.1	33.5	30.7	29.0	30.7	16.0	7.2

TABLE No. 2: (Contd.)																	
Ear Height																	
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	16402-008-01-01-03-5-2	49.4	38.4	83.9	88.7	65.3	72.4	44.7	.	.	83.1	80.3	87.3	.	49.3	42.2	.
2	ADV 140187	104.3	64.7	111.9	84.4	91.9	106.5	100.7	96.3	102.2	77.9	82.6	98.9	53.0	84.4	80.4	80.5
3	ADV 140235	112.6	54.2	108.8	90.1	91.8	105.4	103.1	90.2	100.5	94.8	82.2	75.5	55.7	69.8	85.9	74.2
4	AH 6007	121.4	35.0	87.3	86.9	83.6	104.8	105.4	83.8	97.3	59.4	81.3	65.9	42.1	72.1	82.1	67.8
5	AH 6008	119.6	56.3	101.4	94.9	92.4	97.5	90.3	84.2	90.4	73.7	81.6	87.2	49.1	85.6	92.8	79.7
6	AH 6009	127.3	52.0	93.0	91.5	90.7	117.7	84.8	90.6	99.9	84.8	84.7	81.1	38.5	83.6	84.3	74.3
7	AH 6017	124.4	52.8	94.8	89.3	90.5	97.8	102.5	87.5	95.2	85.6	83.8	83.5	41.3	83.3	94.7	78.2
8	AH-1606	117.8	53.0	97.9	84.4	87.9	121.3	130.9	98.3	116.1	336.6	83.8	100.4	51.7	94.3	97.9	86.3
9	AH-7067R	103.3	55.0	88.4	87.7	83.5	110.2	84.9	99.3	97.3	80.9	81.8	79.2	48.7	69.7	89.3	73.7
10	AMH-14258	123.2	57.4	105.4	88.2	93.4	121.7	104.6	103.0	109.7	54.2	84.3	87.3	56.6	76.5	85.3	79.3
11	BH 415012	119.1	50.4	89.8	90.7	87.0	100.7	79.3	96.9	91.3	84.6	82.6	59.1	39.9	71.1	92.2	67.7
12	BH 415100	118.4	49.2	85.6	89.9	85.7	86.0	79.4	89.1	85.7	73.0	81.5	67.2	51.9	77.0	80.9	70.6
13	BH 415158	113.9	47.8	89.8	89.7	85.1	113.9	106.8	99.7	107.4	76.4	84.8	98.6	51.4	79.5	89.5	81.1
14	BLH 117	138.0	57.6	100.3	88.5	95.8	124.2	113.0	91.6	110.5	75.8	80.1	87.6	57.6	89.7	102.6	83.7
15	BLH 118	125.3	52.9	98.9	89.3	91.8	113.4	94.3	103.8	101.8	84.0	82.9	85.0	48.1	89.9	98.3	80.9
16	BLH 119	116.1	56.6	92.6	88.2	87.8	110.6	92.5	84.5	94.4	70.3	84.1	71.2	40.1	70.4	85.6	70.0
17	BLH 120	100.2	58.4	85.4	93.2	85.1	97.9	91.4	76.0	90.4	69.7	82.1	82.1	46.8	78.1	85.1	74.1
18	BLH 121	118.6	41.2	101.3	89.0	86.7	112.2	100.0	97.5	103.2	64.6	82.4	86.4	50.5	70.6	95.6	77.5
19	BLH 122	107.7	55.3	104.9	84.6	88.4	112.6	92.9	91.3	99.4	82.8	84.5	83.2	67.3	88.1	92.9	83.2
20	BRMH-10 (CAH-1566)	93.6	49.8	82.8	89.0	78.3	104.7	83.7	95.4	93.7	57.7	83.4	67.5	44.1	69.6	81.5	69.8
21	CCH 1818	128.2	59.5	105.8	89.2	94.8	110.6	105.7	88.1	99.0	72.7	84.0	79.0	57.1	83.0	95.3	79.9
22	DAS-MH-311	115.2	62.1	76.4	91.0	86.7	92.3	82.1	71.3	83.8	60.5	85.5	67.9	53.1	73.0	75.1	70.4
23	DH-314	107.7	46.7	80.7	81.2	78.4	105.3	90.9	79.8	92.4	57.2	80.4	75.6	37.2	72.2	81.7	70.1
24	DKC7181 (IR8003)	117.9	62.5	101.4	88.2	93.2	108.5	105.4	103.8	104.7	69.7	85.8	89.2	43.8	91.7	94.2	80.5
25	DKC8181 (IR8004)	109.5	51.1	106.8	90.8	88.8	116.6	98.2	103.7	105.1	84.7	84.9	81.6	59.4	85.8	98.2	81.3
26	EH 2870	138.4	65.4	100.1	88.2	97.4	130.2	112.0	103.8	114.6	68.0	82.9	99.7	49.2	91.3	107.1	85.5
27	EH 2898	129.0	83.1	98.1	86.0	99.5	123.8	110.9	85.5	107.6	85.3	86.6	99.7	48.6	102.5	96.0	85.6
28	GH 160295	139.9	67.9	108.8	93.0	103.3	112.4	101.1	99.0	106.2	82.2	81.8	92.9	56.2	87.7	87.0	81.1
29	GIN-03	94.9	39.0	89.2	86.5	78.1	111.0	88.8	72.8	90.0	65.5	82.4	68.4	43.0	72.0	84.2	69.7
30	GK 3213	129.6	51.0	104.6	87.9	93.0	122.0	118.7	86.2	108.8	88.3	82.8	89.1	55.6	97.2	89.4	82.9
31	GK 3215	122.9	65.6	114.2	92.7	99.0	121.6	119.0	76.3	104.9	42.3	84.6	96.4	60.8	85.8	92.4	84.6
32	HKH 361	114.2	68.9	94.2	87.9	91.5	111.6	111.3	93.9	106.1	75.4	80.6	94.8	54.2	91.2	94.1	83.3
33	HKH 362	115.6	61.0	92.6	88.7	88.9	120.4	110.7	97.4	108.7	99.3	83.9	95.1	52.3	78.7	100.1	81.5
34	HKH 363	118.7	55.8	93.2	88.9	89.2	108.7	97.5	96.1	99.5	81.6	83.5	80.6	50.8	81.4	87.8	77.3
35	HKH 364	120.0	50.4	96.6	83.9	87.6	106.8	98.3	87.8	98.6	42.0	82.9	80.1	50.5	63.7	81.3	72.4
36	IIMRNH 1702	125.7	60.6	99.1	89.3	93.5	107.1	102.0	91.9	100.7	85.1	80.7	86.5	58.4	94.7	89.4	81.4
37	IMHBG-17K-1	117.6	64.1	92.8	91.4	91.9	104.9	93.1	91.0	97.7	34.6	82.5	87.8	46.0	84.1	104.1	81.7

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TABLE No. 2: (Contd.)		Ear Height																
Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)							
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
38	IMHBG-17K-10	125.7	53.0	102.3	92.0	92.9	114.8	92.1	90.9	99.7	76.2	83.0	87.3	41.6	84.7	99.5	79.6	
39	IMHBG-17K-11	118.1	67.3	91.1	90.8	92.0	110.6	91.8	82.2	94.1	76.4	85.2	83.9	63.2	82.8	81.6	79.0	
40	IMHBG-17K-12	123.0	66.8	100.4	91.1	96.0	120.1	99.0	90.7	103.7	75.5	83.8	84.0	58.9	83.4	92.2	80.0	
41	IMHBG-17K-13	126.7	59.7	96.4	90.2	93.4	103.9	84.7	93.1	94.6	66.4	81.7	79.2	43.7	73.4	82.3	72.0	
42	IMHBG-17K-14	115.5	51.7	99.6	87.5	88.9	109.3	102.2	79.0	97.6	95.9	86.4	94.5	57.0	89.1	90.8	84.1	
43	IMHBG-17K-15	137.0	55.1	104.1	90.4	96.5	115.3	108.3	89.8	106.4	88.7	81.7	100.1	58.5	94.1	96.6	85.4	
44	IMHBG-17K-16	143.9	43.5	103.2	89.2	94.9	127.9	106.6	101.5	113.2	90.3	84.2	93.9	61.1	90.4	99.3	86.5	
45	IMHBG-17K-17	150.6	62.3	108.6	90.7	103.6	118.5	106.4	102.8	108.6	100.0	82.8	103.0	64.8	93.5	95.3	87.8	
46	IMHBG-17K-18	126.1	65.6	103.6	91.3	96.8	123.3	104.4	91.7	108.7	85.0	84.9	94.9	60.1	93.8	103.9	88.2	
47	IMHBG-17K-19	130.7	54.7	109.3	88.9	95.8	105.2	111.2	101.6	105.6	97.3	78.3	79.5	57.1	89.5	112.3	83.3	
48	IMHBG-17K-2	122.8	36.9	94.9	89.3	87.5	94.6	94.4	91.7	92.6	65.2	85.4	67.2	43.8	73.7	92.6	72.2	
49	IMHBG-17K-21	107.0	59.3	104.8	84.2	89.4	122.7	105.0	101.9	108.4	96.4	84.3	85.2	59.5	90.9	95.4	83.3	
50	IMHBG-17K-22	100.8	47.8	80.8	90.3	78.8	100.0	95.3	76.7	89.8	67.9	83.5	63.3	47.2	65.5	79.4	68.4	
51	IMHBG-17K-3	97.1	60.9	92.5	89.5	86.2	84.1	72.6	88.5	83.3	62.8	83.3	68.8	39.6	66.0	74.3	65.6	
52	IMHBG-17K-4	109.6	46.9	92.3	88.6	84.7	102.9	80.6	78.0	88.8	78.5	82.8	75.3	44.5	75.3	84.9	71.6	
53	IMHBG-17K-5	122.3	58.4	89.2	90.9	90.2	103.1	102.0	94.5	100.6	75.8	83.0	87.8	54.6	79.3	99.3	81.1	
54	IMHBG-17K-6	132.8	59.8	112.3	90.2	98.5	109.2	102.7	95.1	104.7	74.1	79.7	81.6	56.3	86.6	103.2	81.7	
55	IMHBG-17K-7	111.5	49.5	92.2	89.0	84.0	109.5	88.9	85.8	91.4	83.5	83.6	89.3	57.6	87.0	102.0	83.2	
56	IMHBG-17K-8	114.5	49.1	92.3	89.0	85.7	123.2	96.3	92.4	103.6	95.3	84.7	83.2	46.2	91.2	97.1	80.5	
57	IMHBG-17K-9	114.4	46.8	95.7	89.1	87.5	108.5	89.6	83.6	93.8	70.8	88.5	85.5	42.2	86.2	96.4	79.2	
58	JASL-2033	119.0	57.0	81.5	85.2	86.8	108.1	86.1	94.8	97.7	66.6	83.6	83.6	44.7	80.0	81.6	74.4	
59	JH 16029	130.9	63.9	112.2	88.9	98.3	114.3	122.4	125.3	121.5	87.0	83.3	124.8	55.9	103.3	96.8	93.5	
60	JH 16045	124.3	54.9	103.4	89.5	91.5	115.4	109.4	109.5	110.3	82.4	81.9	81.6	50.3	85.9	57.2	72.0	
61	JH 32055	136.6	57.3	101.2	91.8	95.7	124.5	98.2	104.5	108.5	64.7	81.4	96.8	54.2	89.5	100.3	85.0	
62	JKMH 15303	109.9	50.5	102.7	89.5	87.8	109.0	101.3	92.1	101.0	73.0	79.2	87.9	46.1	84.3	85.6	76.7	
63	K-27	114.8	40.6	94.9	87.2	84.1	105.8	93.2	89.9	96.5	78.4	83.9	78.5	48.5	85.4	88.6	77.1	
64	KH 103	126.8	59.2	87.8	86.7	89.5	112.5	113.4	98.9	105.8	76.4	82.8	83.0	55.0	85.6	101.9	80.8	
65	KMH 16-1	101.9	58.5	83.4	83.7	82.9	107.1	90.9	85.3	95.7	62.7	82.1	89.2	46.0	81.2	84.3	76.6	
66	KMH 16-2	99.1	60.3	100.0	87.2	86.8	95.4	89.8	81.3	89.5	66.5	80.1	70.1	46.7	68.8	90.0	71.0	
67	KMH 16-25	118.2	67.0	89.5	88.0	91.1	94.8	95.9	90.3	93.7	38.3	81.8	78.4	46.0	72.9	80.3	73.0	
68	KMH 16-29	76.4	55.9	82.5	89.2	77.4	97.1	69.0	85.3	82.5	74.4	79.5	76.6	32.5	75.4	80.6	68.3	
69	KMH 16-40	127.7	48.8	87.3	88.7	89.4	103.5	90.4	89.6	94.6	69.5	82.8	88.1	47.7	77.8	84.5	75.2	
70	KMH 16-42	111.7	45.8	86.7	86.1	82.5	113.4	89.2	76.8	95.9	54.8	82.8	75.2	34.2	76.3	77.8	69.4	
71	LMH 1017	149.2	54.5	114.0	90.7	101.6	109.7	113.1	106.4	112.8	84.3	86.7	110.2	42.1	103.9	122.8	93.0	
72	LMH 817	130.3	67.9	91.1	85.6	93.2	111.3	94.1	95.5	99.3	77.5	85.0	82.1	59.5	91.4	91.1	80.9	
73	LMH 917	116.6	56.5	92.0	93.4	89.5	117.2	93.3	76.6	93.4	82.5	85.7	85.6	50.8	81.8	98.4	79.4	
74	LMH1117	118.5	60.8	94.7	89.1	90.7	106.4	97.3	80.2	95.1	72.4	84.3	78.5	51.9	82.3	93.3	77.9	

TABLE No. 2: (Contd.)

Ear Height

Sl. No.	Entry Name	Zone-I (NHZ)					Zone-II(NWPZ)				Zone-III(NEPZ)						
		Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
75	MMH 16-11	116.9	55.5	90.7	87.2	86.5	97.1	88.1	93.1	93.4	100.6	83.4	83.1	47.5	80.9	96.2	77.8
76	MMH 16-12	111.8	43.4	82.3	88.3	79.8	111.1	83.7	72.4	88.8	75.9	80.9	76.0	39.0	65.1	90.7	71.4
77	NMH-4053	116.8	60.5	103.9	92.4	93.2	103.0	112.3	93.0	100.4	76.1	82.7	74.4	43.9	85.8	86.6	74.2
78	NMH-4139	108.4	68.8	103.8	89.1	94.4	110.9	106.8	84.8	101.2	78.6	82.6	88.5	54.3	92.5	91.5	81.6
79	NMH-51+	118.0	53.5	91.3	84.7	85.3	111.2	81.2	91.6	93.1	88.5	83.6	75.6	48.4	66.0	90.8	73.7
80	OMH16-4	108.4	63.0	88.4	89.4	86.1	108.1	89.8	89.4	95.3	81.5	83.4	71.9	51.5	85.8	84.5	75.9
81	PM17102M	115.3	57.7	94.2	88.3	88.8	99.2	94.5	91.7	94.4	79.3	81.0	81.2	45.6	81.0	78.2	73.8
82	PM17103M	96.0	44.7	87.7	86.0	78.2	105.7	88.8	90.3	93.8	65.0	82.4	59.9	40.5	73.3	82.7	67.5
83	RCRMH 4-1	116.5	63.0	87.4	90.1	89.9	102.8	102.1	81.3	96.6	71.4	80.8	74.4	40.9	70.3	86.8	71.2
84	RCRMH3(CAH156)	111.2	51.6	93.7	88.1	87.3	110.4	109.8	94.9	105.6	68.4	83.8	94.9	45.4	80.4	92.9	79.5
85	REH 2013-15	97.2	58.4	89.3	88.1	83.7	114.7	108.0	91.2	105.1	73.1	79.8	77.5	45.4	77.9	95.8	76.5
86	REH 2013-21	115.9	56.1	100.5	89.6	89.4	121.9	100.1	94.0	103.6	106.7	86.1	87.1	52.8	100.4	98.2	84.6
87	STAR-X-14	99.8	46.2	78.7	89.5	79.8	103.0	94.7	91.0	95.9	43.3	84.1	74.3	49.9	73.7	80.1	72.3
88	STAR-X-16	92.1	47.9	80.0	84.3	76.8	95.6	76.3	82.5	84.4	61.7	81.7	75.0	38.3	76.0	87.0	72.3
89	STAR-X-18	109.6	70.9	96.8	86.6	90.4	110.0	83.7	76.8	89.9	77.5	82.8	74.8	44.7	78.2	89.7	73.6
90	STAR-X-20	111.2	65.8	104.2	88.9	92.3	105.8	109.3	84.9	99.1	75.9	82.9	72.5	55.7	78.0	83.1	74.9
91	SYN716725	123.0	64.8	91.9	91.0	92.1	110.5	96.4	86.3	98.4	45.0	82.9	91.4	46.8	76.7	91.5	78.3
92	UDMH-131	92.0	39.7	83.5	88.7	76.0	91.8	86.7	74.5	83.9	51.7	83.9	57.0	39.2	73.7	75.7	66.1
93	UDMH-132	93.0	46.6	88.6	86.4	78.1	110.7	111.4	80.7	101.3	80.4	83.1	66.1	40.9	69.5	75.4	67.0
94	VaMH 15005	123.2	46.7	108.6	89.9	93.2	117.8	93.6	111.0	108.3	73.4	84.2	98.2	52.3	95.2	90.3	83.0
95	VaMH 15036	115.7	44.8	87.7	91.8	84.3	96.5	86.7	94.8	93.0	72.9	84.3	74.0	51.8	83.4	88.5	76.6
96	WH-1010	113.4	45.4	99.6	83.8	87.3	107.8	100.1	88.2	98.6	81.5	85.8	84.7	53.6	85.1	89.0	79.2
97	WH-1094	142.2	64.3	106.7	90.2	100.3	125.0	112.0	112.6	115.8	89.5	80.7	102.9	71.5	89.7	96.8	88.7
98	CMH 08-292 (C)	127.9	65.0	101.5	92.6	97.1	103.2	110.6	115.4	111.0	58.2	85.6	100.8	56.1	102.8	108.4	90.4
99	BIO 9544 (C)	108.0	46.7	91.4	91.7	84.3	99.4	106.2	94.9	99.0	86.5	83.7	78.4	56.1	79.6	91.8	77.2
100	DHM 121 (C)	106.0	47.9	96.2	96.0	86.2	101.8	91.9	94.7	95.6	62.3	83.2	72.9	.	71.5	77.4	.
	Location Mean	116.3	55.3	95.6	88.9	86.6	108.8	97.4	91.3	99.2	77.2	83.1	83.2	50.0	81.9	89.9	77.0
	CV (%)	7.2	23.2	9.3	4.4	10.6	12.8	15.5	11.1	13.3	60.7	3.3	12.7	15.2	10.2	9.7	10.4
	F (Prob)	0.00	0.15	0.00	0.37	1.00	0.09	0.00	0.00	1.00	0.42	0.19	0.00	0.00	0.00	0.00	1.00
	CD (5%)	13.6	20.7	14.3	6.3	8.1	22.5	24.3	16.4	12.6	75.5	4.5	17.1	12.3	13.5	14.2	6.2
	CD (1%)	18.1	27.3	18.8	8.3	10.7	29.6	32.1	21.6	16.6	99.6	5.9	22.5	16.2	17.8	18.8	8.1

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TABLE No. 2: (Contd.)		Ear Height													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	16402-008-01-01-03-5-2	46.3	46.4	41.0	70.2	83.6	84.7	71.5	62.9	51.9	36.7	12.6	27.2	31.2	.
2	ADV 140187	111.2	127.7	99.4	81.3	124.9	142.9	109.6	115.0	79.1	86.7	15.0	66.7	62.3	92.7
3	ADV 140235	96.4	120.5	93.6	91.2	129.7	146.5	104.6	110.8	81.7	80.6	17.7	72.2	62.3	89.7
4	AH 6007	82.3	116.2	81.7	75.8	106.5	124.3	84.0	95.3	78.9	86.4	13.8	64.8	61.8	81.8
5	AH 6008	93.3	128.5	84.4	80.9	119.0	139.1	107.5	108.2	79.1	94.5	15.9	68.4	63.6	89.2
6	AH 6009	86.2	117.0	100.8	85.0	127.0	136.6	99.4	106.1	75.4	82.6	14.7	59.0	58.1	87.2
7	AH 6017	82.2	113.2	88.9	89.8	114.0	142.6	105.2	104.3	83.2	86.0	15.1	70.7	62.6	87.7
8	AH-1606	94.1	128.4	104.4	97.3	133.2	131.1	128.0	117.2	83.6	92.5	15.6	81.0	66.5	96.5
9	AH-7067R	76.8	100.4	73.2	74.1	107.1	111.4	86.0	90.8	68.8	70.0	16.8	55.2	53.0	80.2
10	AMH-14258	92.6	115.0	96.0	82.0	126.1	135.9	102.2	108.6	78.5	93.8	14.9	74.6	65.3	92.2
11	BH 415012	80.7	106.2	86.1	71.1	111.2	137.7	84.5	96.6	75.3	83.1	15.5	61.0	58.7	81.5
12	BH 415100	82.0	105.7	82.1	74.7	116.8	132.1	85.1	96.2	82.8	74.2	14.4	71.0	59.8	81.1
13	BH 415158	80.7	118.2	89.6	98.3	122.2	138.9	99.3	106.7	80.3	80.5	16.1	66.7	60.1	89.4
14	BLH 117	99.8	138.8	102.0	82.8	138.6	142.3	115.3	116.6	79.6	100.7	14.5	85.1	69.4	96.8
15	BLH 118	95.5	129.7	101.5	94.8	119.2	150.8	96.1	112.7	79.5	89.5	17.8	63.1	63.1	92.2
16	BLH 119	87.2	111.4	84.3	82.8	118.9	130.6	91.7	100.6	84.6	73.0	15.3	52.7	56.0	83.2
17	BLH 120	86.8	102.3	91.0	88.5	112.6	140.1	101.4	102.8	83.8	82.0	13.2	57.3	59.0	84.2
18	BLH 121	98.7	120.6	100.5	80.3	117.5	130.7	93.7	105.7	70.6	81.4	15.9	64.2	58.5	87.7
19	BLH 122	99.2	123.2	100.7	88.1	129.1	140.5	95.0	110.9	64.5	91.9	17.2	80.2	63.4	91.2
20	BRMH-10 (CAH-1566)	81.9	103.9	80.6	75.0	118.2	119.0	91.0	96.1	79.9	66.2	16.2	69.9	57.1	80.2
21	CCH 1818	85.1	113.6	95.4	84.9	113.8	145.4	104.6	106.3	84.3	83.6	17.4	60.9	61.1	89.8
22	DAS-MH-311	83.9	110.4	72.9	84.0	117.0	129.2	93.2	98.3	75.0	75.7	16.0	67.6	59.4	81.5
23	DH-314	81.5	110.6	89.6	79.7	117.6	125.2	100.3	99.5	79.9	75.8	14.6	58.0	57.2	81.0
24	DKC7181 (IR8003)	98.3	133.9	103.3	91.5	125.6	163.4	111.3	117.5	77.5	97.8	14.3	79.0	68.7	95.1
25	DKC8181 (IR8004)	79.1	121.3	97.4	86.4	128.9	133.6	96.1	106.2	74.5	88.3	16.7	65.4	61.6	89.9
26	EH 2870	109.0	128.7	96.1	95.7	130.2	158.9	107.2	117.7	85.3	104.0	16.7	86.4	72.8	99.0
27	EH 2898	97.7	125.0	100.0	87.2	126.8	145.2	106.9	112.4	76.7	89.1	16.5	65.0	62.8	95.1
28	GH 160295	92.0	139.3	97.3	89.0	141.9	147.8	116.8	117.7	75.6	89.3	14.3	67.9	62.6	96.1
29	GIN-03	79.1	111.2	75.0	74.0	113.7	124.8	81.5	94.6	73.9	81.0	15.7	62.3	58.8	79.6
30	GK 3213	98.6	133.9	97.4	99.0	129.2	152.0	97.9	115.4	76.5	102.1	17.6	68.7	64.6	94.8
31	GK 3215	104.5	132.0	104.0	95.5	140.3	134.0	100.6	117.3	72.9	95.0	15.8	56.9	59.0	95.4
32	HKH 361	93.9	127.7	99.7	82.3	121.3	146.3	108.4	111.8	79.1	99.6	16.1	67.5	65.3	93.3
33	HKH 362	96.3	122.3	102.6	93.7	123.5	148.1	111.8	113.7	77.6	96.7	17.4	64.8	64.5	93.2
34	HKH 363	89.2	121.2	90.5	88.4	121.1	133.8	104.9	107.5	85.5	91.7	15.7	76.5	66.4	89.6
35	HKH 364	92.1	121.1	91.2	90.6	122.5	133.4	101.9	107.8	76.9	80.0	16.9	64.8	59.1	86.9
36	IIMRNH 1702	100.9	131.7	108.5	94.2	126.8	151.2	109.7	116.7	82.1	103.3	16.2	70.9	68.9	94.6
37	IMHBG-17K-1	84.6	109.2	83.5	84.4	106.4	125.8	95.2	99.4	81.8	84.8	16.8	60.6	61.7	87.5

TABLE No. 2: (Contd.)		Ear Height													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
38	IMHBG-17K-10	97.6	127.4	90.9	99.6	108.3	131.2	89.8	105.9	83.8	74.1	15.9	70.4	60.4	89.1
39	IMHBG-17K-11	92.2	124.4	95.5	87.1	133.4	125.6	102.1	108.3	77.7	93.0	17.3	79.4	66.9	90.1
40	IMHBG-17K-12	100.4	125.0	101.0	82.1	126.7	130.3	111.3	111.2	80.5	92.0	18.6	76.8	67.6	93.2
41	IMHBG-17K-13	86.4	111.7	86.2	79.4	123.8	136.2	90.8	102.5	80.0	84.5	17.2	63.4	62.4	86.3
42	IMHBG-17K-14	93.0	123.0	93.4	90.2	138.4	115.7	105.8	108.8	85.7	87.2	15.9	58.0	61.6	90.3
43	IMHBG-17K-15	101.5	129.0	111.5	99.7	125.2	156.0	111.8	119.1	74.5	99.3	15.1	87.8	70.5	97.7
44	IMHBG-17K-16	100.8	132.3	102.1	92.1	124.5	158.1	115.3	118.0	83.7	95.9	17.2	74.9	67.4	97.7
45	IMHBG-17K-17	107.0	135.0	108.9	102.2	133.5	144.6	133.6	124.0	77.0	106.2	16.7	78.1	69.4	101.1
46	IMHBG-17K-18	101.1	131.9	105.3	87.2	136.9	152.0	114.8	118.7	81.8	95.6	15.5	75.1	67.6	98.0
47	IMHBG-17K-19	95.4	119.2	95.8	96.1	119.8	129.3	121.0	110.9	80.9	90.6	15.8	81.8	65.5	93.7
48	IMHBG-17K-2	82.4	121.3	86.9	93.6	108.3	130.4	96.8	102.1	78.6	78.4	14.2	62.0	58.6	84.3
49	IMHBG-17K-21	87.1	126.0	98.7	83.1	128.4	144.0	100.5	110.1	78.3	86.5	14.6	68.5	62.0	92.2
50	IMHBG-17K-22	72.8	101.5	71.8	78.7	102.7	130.6	81.6	91.6	77.7	76.7	14.6	53.0	55.4	77.8
51	IMHBG-17K-3	81.3	103.5	86.2	79.8	112.4	126.1	87.9	95.3	77.9	72.0	12.7	72.4	59.3	79.3
52	IMHBG-17K-4	77.1	104.7	79.0	71.9	114.3	130.4	87.8	95.1	79.7	86.2	14.1	49.4	57.8	80.9
53	IMHBG-17K-5	98.9	114.0	100.5	94.3	123.3	148.0	100.6	112.2	80.6	96.4	15.6	68.8	64.1	91.7
54	IMHBG-17K-6	91.4	125.0	96.8	84.3	132.1	128.4	105.8	108.8	70.9	94.2	15.5	75.2	64.7	92.8
55	IMHBG-17K-7	89.9	113.2	91.5	94.1	111.7	124.5	96.1	102.4	79.1	90.8	15.7	68.1	63.7	86.9
56	IMHBG-17K-8	88.8	126.2	95.4	95.5	120.0	130.0	112.2	110.5	82.5	84.2	16.1	65.0	61.5	90.3
57	IMHBG-17K-9	87.4	113.5	94.1	86.8	110.4	137.8	101.1	103.9	74.6	85.9	16.6	70.2	62.2	87.1
58	JASL-2033	90.6	119.9	89.8	93.0	130.7	139.9	90.5	107.6	74.4	88.3	14.7	58.4	60.3	87.2
59	JH 16029	102.3	132.1	113.8	88.2	140.3	152.3	116.2	121.7	79.7	99.3	15.9	87.3	70.3	102.5
60	JH 16045	93.2	130.1	94.6	85.8	129.9	158.2	111.7	114.7	85.1	98.0	16.4	80.2	69.4	92.9
61	JH 32055	107.3	126.0	108.2	88.0	132.8	143.7	112.9	117.6	80.1	98.2	18.4	83.3	69.3	97.1
62	JKMH 15303	98.2	120.0	101.4	95.5	134.4	150.8	107.1	115.5	80.0	85.9	14.6	74.8	63.9	91.4
63	K-27	78.2	114.7	98.9	84.1	122.6	142.7	94.8	105.5	78.0	80.6	12.0	73.4	61.3	86.8
64	KH 103	89.7	125.3	98.4	85.9	119.1	127.5	95.1	105.5	77.3	79.4	14.7	72.6	61.7	89.9
65	KMH 16-1	84.4	114.4	75.8	73.5	118.7	119.4	86.8	96.3	81.0	78.7	14.1	50.6	56.5	82.7
66	KMH 16-2	84.6	110.9	84.2	88.2	120.6	127.1	72.9	98.8	70.9	76.9	14.6	64.9	56.8	82.2
67	KMH 16-25	86.9	110.2	80.6	77.8	121.3	116.5	84.9	97.8	76.6	75.9	13.6	64.7	57.4	83.7
68	KMH 16-29	79.9	96.8	78.8	83.1	113.3	129.7	82.0	93.4	75.9	59.9	24.9	64.9	57.7	77.6
69	KMH 16-40	91.4	109.1	85.5	83.3	108.6	127.0	99.1	100.5	68.8	96.9	12.1	57.3	59.9	85.3
70	KMH 16-42	77.1	102.1	72.8	69.4	118.9	115.1	78.5	90.7	75.4	66.9	14.6	42.5	50.1	78.2
71	LMH 1017	100.9	135.4	121.1	95.3	136.3	140.0	111.6	119.4	81.5	117.0	16.4	76.4	72.6	101.4
72	LMH 817	99.6	127.3	102.0	82.0	127.5	147.6	98.8	112.6	78.1	87.5	15.5	69.2	63.2	92.1
73	LMH 917	94.3	109.8	89.5	83.2	111.6	132.3	104.9	104.0	75.5	87.4	15.6	72.4	62.7	87.7
74	LMH1117	95.9	120.1	91.6	91.8	114.8	144.4	95.1	107.6	74.5	77.5	14.7	63.5	58.3	88.0

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TABLE No. 2: (Contd.)		Ear Height													
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)					All India Mean
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Mandya	Rahuri	Vagarai	Zone4	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
75	MMH 16-11	85.6	118.1	90.9	80.2	117.1	139.3	106.1	104.4	83.5	93.1	14.3	70.2	64.0	87.0
76	MMH 16-12	77.4	106.6	83.1	79.6	117.1	108.1	92.0	94.9	82.8	86.9	13.5	63.0	61.7	80.5
77	NMH-4053	87.7	117.9	88.7	88.5	121.3	145.6	107.0	108.5	79.6	97.2	15.7	58.0	61.5	89.3
78	NMH-4139	94.9	128.8	102.5	80.2	125.3	149.3	99.7	111.7	77.3	85.8	15.9	75.4	64.2	92.5
79	NMH-51+	92.5	117.9	79.2	82.9	124.2	121.6	94.6	101.4	76.6	90.5	15.1	52.7	57.7	83.9
80	OMH16-4	82.7	111.8	86.2	82.9	115.2	111.1	85.0	96.0	81.8	90.2	17.3	65.0	63.2	84.0
81	PM17102M	85.4	116.7	80.0	78.4	115.8	138.6	92.4	101.1	77.7	77.7	15.7	59.2	57.5	84.5
82	PM17103M	72.1	101.8	72.3	79.7	117.7	113.4	76.5	90.8	80.4	68.8	18.9	42.6	53.3	77.5
83	RCRMH 4-1	76.1	108.2	84.8	77.6	117.8	133.9	95.1	98.5	76.0	79.0	16.1	69.3	59.6	84.0
84	RCRMH3(CAH156)	100.2	120.7	96.8	98.0	122.9	140.7	114.0	113.9	75.0	84.3	16.8	61.8	59.8	91.4
85	REH 2013-15	89.3	116.6	97.2	82.9	119.3	119.0	88.0	101.9	78.5	85.9	15.2	66.2	62.1	86.7
86	REH 2013-21	104.6	134.9	97.0	91.1	126.0	158.1	112.6	116.4	82.4	109.6	16.8	72.3	69.6	94.9
87	STAR-X-14	75.1	110.2	79.8	87.1	128.9	114.9	100.6	99.6	75.3	83.4	14.6	76.1	62.9	83.4
88	STAR-X-16	88.9	111.6	77.2	80.4	111.5	126.3	84.2	96.7	76.7	70.7	16.7	69.7	58.1	79.6
89	STAR-X-18	90.6	111.4	85.0	82.9	118.7	123.8	141.6	108.1	76.9	77.6	14.9	57.2	56.3	86.2
90	STAR-X-20	85.8	107.2	87.0	85.1	115.7	136.4	88.9	101.1	80.4	81.8	15.2	70.9	61.9	86.8
91	SYN716725	97.9	120.7	98.8	88.2	126.6	135.0	101.8	110.1	83.0	88.8	15.5	72.9	63.8	90.4
92	UDMH-131	71.5	107.0	69.0	65.0	104.0	102.7	75.0	85.2	74.2	70.2	13.7	59.1	54.6	74.0
93	UDMH-132	72.6	89.6	72.4	72.6	111.6	122.5	77.3	87.7	69.2	50.3	13.2	53.5	47.0	76.2
94	VaMH 15005	95.4	129.3	102.6	94.3	126.8	154.3	106.2	115.1	80.1	88.8	16.9	66.5	63.8	94.5
95	VaMH 15036	86.2	116.1	95.9	88.6	122.9	138.4	96.6	107.0	80.6	83.0	14.9	69.9	61.3	86.7
96	WH-1010	92.5	113.3	84.2	88.6	110.8	133.3	95.6	102.8	75.8	81.8	16.5	63.3	60.2	87.1
97	WH-1094	94.5	134.8	115.4	94.8	140.5	150.6	125.4	121.9	84.6	102.7	16.4	90.3	73.6	101.7
98	CMH 08-292 (C)	103.8	126.8	117.1	99.2	142.2	135.2	115.9	120.8	73.7	114.9	16.8	68.8	68.9	99.8
99	BIO 9544 (C)	84.1	122.2	90.2	84.7	115.2	128.7	97.2	104.0	80.7	79.3	16.4	66.1	60.7	86.7
100	DHM 121 (C)	79.8	104.0	92.6	79.2	120.2	130.4	98.8	101.5	50.5	86.1	15.4	52.4	51.5	.
	Location Mean	89.8	118.0	91.8	85.9	121.7	134.9	99.8	106.0	77.9	86.0	15.7	66.9	61.6	87.9
	CV (%)	9.1	5.7	7.3	10.8	7.5	9.3	16.7	9.9	11.5	11.5	16.4	15.4	13.8	11.3
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.47	0.00	0.28	0.00	1.00	1.00
	CD (5%)	13.2	10.8	10.8	15.0	14.6	20.2	26.9	6.6	14.4	16.0	4.1	16.6	7.1	3.5
	CD (1%)	17.5	14.3	14.3	19.8	19.3	26.7	35.5	8.7	19.1	21.1	5.5	21.9	9.3	4.6

TABLE 3: Trial No. 63-64 (NIVT-Early and Extra Maturity Yield (kg/ha)																					
Sl. No.	Entry Name	Zone-I(NHZ)												Zone-II(NWPZ)							
		Almora		Bajaura		Gossaing		Kangra		Udhampur		Zone1		Karnal		Ludhiana		Pantnagar		Zone2	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	AH 9003	6811	25	12414	7	4665	37	6033	14	9088	1	7822	14	5637	31	5977	10	8639	10	7154	16
2	AH-7080	6941	24	12375	8	5646	10	5432	29	8160	33	7715	17	7062	15	4558	23	9149	4	8380	2
3	AH-7188	8938	5	10332	25	4846	34	6208	11	8590	7	7721	16	5328	36	4065	27	7423	18	6318	31
4	Azad Kanti	6766	26	10030	29	4870	33	5328	35	8357	23	7109	32	7217	9	4656	21	7755	16	7505	13
5	DH-311	6271	30	8080	37	5138	27	5716	20	8015	38	6675	38	5025	38	3954	30	6088	38	5641	38
6	DH-312	5621	35	6889	40	5305	23	5334	34	8332	25	6333	40	4265	40	3477	36	5572	40	4850	40
7	DH-313	8405	9	11532	14	6169	3	5422	31	8449	17	7998	9	7216	10	6032	7	8849	7	8219	4
8	EH 2878	7820	12	13991	2	6089	4	5463	28	7604	40	8289	5	7123	14	6432	3	6829	28	7031	20
9	EH 2891	8648	6	13369	5	5776	9	6347	9	8350	24	8409	4	6806	17	6719	1	6473	31	6673	25
10	FH 3816	9670	3	12371	9	5057	30	5972	16	8540	9	8285	6	5359	35	4855	19	8022	15	6517	27
11	FH 3823	8638	7	13373	4	5795	8	6113	13	8502	12	8487	3	7167	11	5984	9	7719	17	7369	15
12	FH 3837	7807	13	11167	18	5917	6	5500	26	8471	15	7700	18	6460	22	4269	24	7133	23	6757	24
13	Filler	5423	36	11579	12	5420	19	5209	38	8237	30	7066	33	7028	16	3335	38	7267	22	7143	17
14	IH-0652	6634	28	10221	27	5568	15	5693	21	8323	26	7152	30	6290	24	4787	20	6864	27	6664	26
15	IH-1002	9424	4	11826	11	4976	32	5571	23	8410	20	8090	8	7338	8	5220	16	7406	19	7132	18
16	IH-1201	6226	31	9928	31	4767	35	6207	12	8376	22	7141	31	5381	33	3310	39	6554	30	5759	36
17	IH-1404	7636	16	10813	21	6188	2	5523	25	8278	29	7616	20	6232	25	3977	28	6459	32	6417	29
18	JH 31947	9708	2	14611	1	4266	40	5424	30	8224	31	8491	2	7654	3	5984	8	8655	9	8054	7
19	JH 31968	7794	14	10443	24	5295	24	5390	32	8643	5	7562	22	5365	34	5191	17	8077	14	6854	21
20	JH 31983	8227	10	11545	13	5017	31	5815	18	8740	3	7808	15	7530	6	5883	11	10024	1	8929	1
21	JH 32010	8635	8	11192	17	5411	20	5992	15	8003	39	7913	11	7751	1	6231	4	8412	11	7931	8
22	JH 32013	7104	22	10000	30	6286	1	5675	22	8453	16	7479	24	7670	2	5850	12	8134	13	8059	6
23	KMH 16-19	7282	19	10235	26	5466	16	6830	5	8489	13	7609	21	6093	26	3585	34	6726	29	6420	28
24	KMH 16-21	5209	38	9445	32	5579	14	7978	3	8164	32	7257	29	5844	29	3491	35	6980	26	6415	30
25	KMH 16-23	5002	39	8782	35	4396	39	7294	4	8282	28	6883	35	5755	30	3977	29	6391	34	5994	35
26	KMH 16-9	6519	29	10046	28	5600	12	8963	2	8931	2	8090	7	6041	28	3684	33	5848	39	6064	33
27	LMH 1115	7742	15	13003	6	5283	25	5888	17	8149	34	7997	10	7128	13	3690	32	7093	25	7096	19
28	LMH 717	5698	34	9181	34	4686	36	9331	1	8531	10	7536	23	4640	39	5336	13	6266	36	5675	37
29	MEH 16-1	7584	17	11278	16	5592	13	6649	6	8502	11	7842	13	5549	32	4974	18	6450	33	6112	32

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TABLE 3: Trial No. 63-64 (NIVT-Early and Extra Maturity Yield (kg/ha)

Sl. No.	Entry Name	Zone-I(NHZ)												Zone-II(NWPZ)							
		Almora		Bajaura		Gossaing		Kangra		Udhampur		Zone1		Karnal		Ludhiana		Pantnagar		Zone2	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
30	MEH 16-2	8188	11	9314	33	5453	18	6596	7	8117	36	7404	27	6642	19	3940	31	7102	24	6806	23
31	PMH5 (C)	6220	32	8301	36	5177	26	5534	24	8429	19	6779	36	6653	18	5273	14	8921	5	7775	11
32	REH 2013-17	7230	20	10682	22	5075	29	5304	36	8444	18	7432	26	7527	7	6058	6	8249	12	7888	9
33	REH 2013-19	6739	27	7795	39	5465	17	5471	27	8582	8	6738	37	6506	20	4244	25	7279	21	6842	22
34	Syngenta EXIM	4608	40	11335	15	5819	7	5005	40	8127	35	6991	34	7575	5	2683	40	7404	20	7373	14
35	VNR-32943	7026	23	10658	23	5113	28	5353	33	8112	37	7273	28	6082	27	4620	22	6301	35	6043	34
36	WH-2212	6108	33	8066	38	4598	38	5116	39	8629	6	6626	39	5232	37	3414	37	6218	37	5591	39
37	Vivek Hybrid 45 (C)	7130	21	10899	20	5611	11	6535	8	8660	4	7845	12	6496	21	4158	26	8874	6	7805	10
38	Vivek Hybrid 51 (C)	5285	37	12287	10	5376	22	6288	10	8472	14	7469	25	7583	4	5271	15	8670	8	8086	5
39	DKC 7074 (C)	7350	18	11162	19	5979	5	5784	19	8313	27	7646	19	7149	12	6603	2	9316	3	8304	3
40	BIO605 (C)	11001	1	13451	3	5379	21	5252	37	8402	21	8763	1	6320	23	6115	5	9338	2	7679	12
	Location Mean	7277	.	10850	.	5353	.	6013	.	8387	.	7576	.	6443	.	4797	.	7523	.	6983	.
	CV (%)	11.9	.	10.2	.	11.9	.	16.3	.	5.8	.	11.2	.	13.8	.	21.3	.	11.6	.	12.6	.
	F (Prob)	0	.	0	.	0	.	0	.	1	.	0	.	0	.	0	.	0	.	0	.
	CD (5%)	1412	.	1807	.	1036	.	1600	.	791	.	629	.	1448	.	1666	.	1415	.	1030	.
	CD (1%)	1875	.	2400	.	1375	.	2124	.	1051	.	828	.	1923	.	2213	.	1879	.	1361	.

TABLE 3: (Contd.)

Yield (kg/ha)

Sl. No.	Entry Name	Zone-III(NEPZ)												Zone-IV(PZ)																	
		Baharaich		Bhubaneswar		Dholi		Ranchi		Sabour		Zone3		Coimbatore		Dharwad		Hyderabad		Karimnagar		Kolhapur		Mandya		Rahuri		Vagarai		Zone4	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	AH 9003	5028	28	4553	20	2689	16	3941	37	5277	4	4334	21	8052	13	8847	12	3551	27	2317	36	6003	23	6783	27	11837	7	8476	14	8646	14
2	AH-7080	7238	3	5575	3	3355	7	5374	18	5105	8	5279	3	6828	23	9354	9	3260	32	3299	28	6977	12	8755	6	10747	10	8027	21	8835	11
3	AH-7188	5322	23	5617	2	2255	26	3617	38	4653	11	4368	20	6256	34	8765	15	4384	13	5320	12	8242	3	6584	31	9455	28	8765	9	7939	23
4	Azad Kanti	4550	34	4178	28	2292	23	4787	27	4355	14	4019	27	7001	21	7572	22	3508	30	3220	29	5051	33	8132	11	9756	23	7530	26	8096	21
5	DH-311	6234	10	3387	40	1932	36	4510	31	3368	28	3879	30	5464	39	5551	33	3783	24	3167	30	5931	25	5862	37	6755	38	5145	40	5820	40
6	DH-312	5972	14	3609	39	2234	29	3088	40	2715	33	3536	39	5768	36	5348	35	2073	38	2526	34	5049	34	6600	29	6323	40	5552	38	5905	39
7	DH-313	6714	6	4057	33	3216	9	7133	3	3532	24	4906	12	8957	5	11136	4	5607	4	5408	10	6280	19	7511	18	12577	4	8545	13	9727	2
8	EH 2878	5569	19	5393	5	3447	6	6858	5	4026	21	4988	9	9107	3	9478	8	4927	9	7016	7	7158	11	9833	1	10528	14	8935	6	9609	5
9	EH 2891	4845	29	4812	14	3581	3	6299	9	5717	3	5105	5	8580	8	12114	2	5513	5	5413	9	8506	2	8482	8	10420	15	8749	10	9575	6
10	FH 3816	6540	7	4498	21	2895	13	4315	35	4255	18	4524	17	6821	25	8453	17	4004	17	3349	26	7471	7	9025	5	11127	9	8106	19	8704	13
11	FH 3823	6744	5	5241	9	3774	1	3586	39	5163	6	4940	11	9014	4	10177	5	6445	1	7436	5	6520	16	7732	15	10731	11	8791	8	9237	8
12	FH 3837	4765	32	4615	18	2530	20	4562	30	2798	32	3889	29	7237	19	8750	16	4439	12	7159	6	6704	15	7011	23	10293	17	7470	27	8183	19
13	Filler	3277	40	5354	6	1729	39	6436	7	1946	39	3790	33	5940	35	4146	39	1573	40	1788	39	3556	40	5122	40	10707	12	5231	39	6329	37
14	IH-0652	5298	24	4295	27	1833	38	4405	33	4262	17	4038	26	6823	24	5613	32	3517	29	2449	35	5977	24	5833	38	8388	35	8002	22	6964	34
15	IH-1002	5186	26	4066	32	3216	10	5114	20	4146	19	4329	22	7733	16	8285	18	4002	18	5148	14	7205	9	8743	7	10102	19	8919	7	8771	12
16	IH-1201	4775	31	3717	36	1939	34	5714	15	3998	22	4041	25	5303	40	6123	30	4184	14	3135	32	5429	28	6357	33	9633	26	7244	32	7062	31
17	IH-1404	5517	20	4752	16	2612	19	4920	25	5108	7	4564	16	7147	20	7211	23	5060	8	4510	15	5060	32	6314	34	9348	29	8366	16	7685	26
18	JH 31947	7365	2	5147	10	2267	25	7419	2	6134	2	5651	1	9200	2	11277	3	6200	2	5366	11	9902	1	9796	2	13299	2	9259	4	10437	1
19	JH 31968	6065	12	4440	25	2340	22	4934	24	4094	20	4385	18	8148	12	6518	27	4100	15	8069	2	6053	22	7724	16	12131	5	7349	31	8230	18
20	JH 31983	5771	17	4801	15	3678	2	5783	13	4627	12	4959	10	8291	11	9208	11	3722	26	1391	40	6166	21	6003	36	9816	22	9559	2	8490	16
21	JH 32010	6097	11	4070	31	2141	30	5811	12	3847	23	4375	19	8491	10	7946	20	3954	21	7776	4	7195	10	9059	4	10682	13	6857	33	8520	15
22	JH 32013	7960	1	4911	13	2242	28	6985	4	3030	31	5002	8	7744	15	7961	19	4637	11	2937	33	5285	30	6978	25	10397	16	7844	24	8269	17
23	KMH 16-19	3905	39	4146	30	3498	4	5013	23	3239	30	3993	28	6472	30	6696	25	3782	25	4026	19	6515	17	6181	35	8681	34	7385	30	7273	29
24	KMH 16-21	4182	35	4456	24	1961	32	5467	17	3346	29	3878	31	5650	38	4479	38	2586	36	3520	21	3954	39	7878	12	8228	36	6498	35	6553	36
25	KMH 16-23	4056	37	4986	12	1919	37	4206	36	1940	40	3340	40	6313	33	5676	31	3546	28	3455	22	4413	36	6613	28	9833	21	5828	37	6851	35
26	KMH 16-9	4077	36	4022	34	2670	17	5059	21	3475	25	3836	32	6564	28	5315	36	2999	35	3374	25	4329	37	6936	26	8899	32	7422	28	7075	30
27	LMH 1115	5407	21	5014	11	1291	40	5212	19	4853	10	4329	23	6470	31	7874	21	3888	22	3819	20	5337	29	7836	14	9712	24	7418	29	7843	24
28	LMH 717	5051	27	3659	38	2723	15	4486	32	2560	35	3680	37	7292	18	6218	29	3064	34	4445	17	5482	27	6981	24	6634	39	8349	17	7061	32
29	MEH 16-1	5767	18	5286	7	2786	14	5762	14	4516	13	4839	13	6695	26	8770	14	4041	16	3375	24	6910	13	6599	30	9182	31	8073	20	7972	22

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TABLE 3: (Contd.)

Yield (kg/ha)

Sl. No.	Entry Name	Zone-III(NEPZ)												Zone-IV(PZ)																	
		Baharaich		Bhubaneswar		Dholi		Ranchi		Sabour		Zone3		Coimbatore		Dharwad		Hyderabad		Karimnagar		Kolhapur		Mandya		Rahuri		Vagarai		Zone4	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
30	MEH 16-2	4678	33	4626	17	1953	33	4726	28	2467	36	3729	35	6683	27	6630	26	3224	33	4234	18	7661	5	7024	22	8863	33	7832	25	7362	28
31	PMH5 (C)	5989	13	4463	23	3281	8	5029	22	6592	1	5029	6	7986	14	5021	37	3988	20	7951	3	6180	20	9386	3	9644	25	8696	12	8129	20
32	REH 2013-17	6405	8	5251	8	2507	21	6374	8	5097	9	5125	4	8632	7	9924	7	5257	7	3316	27	7622	6	7184	20	13495	1	9861	1	9641	4
33	REH 2013-19	6371	9	4159	29	2279	24	4667	29	3416	27	4209	24	6464	32	6441	28	3865	23	3155	31	4801	35	7874	13	9213	30	6815	34	7407	27
34	Syngenta EXIM	4016	38	3846	35	2247	27	6268	10	2396	37	3766	34	5742	37	3866	40	2392	37	1973	37	4296	38	5315	39	9558	27	6256	36	6210	38
35	VNR-32943	5188	25	4614	19	1962	31	4870	26	2130	38	3715	36	6849	22	6796	24	3995	19	5231	13	5101	31	7043	21	10284	18	8414	15	7824	25
36	WH-2212	5326	22	3708	37	1934	35	4356	34	2689	34	3575	38	6548	29	5467	34	2028	39	1897	38	5755	26	6457	32	8226	37	8277	18	6999	33
37	Vivek Hybrid 45 (C)	4789	30	4371	26	2921	11	8535	1	3419	26	4808	14	8715	6	9334	10	4643	10	8149	1	8125	4	8397	9	9908	20	9211	5	9161	10
38	Vivek Hybrid 51 (C)	5884	15	4493	22	2908	12	6204	11	4317	16	4796	15	7688	17	8840	13	3467	31	3382	23	6512	18	7299	19	12747	3	9320	3	9210	9
39	DKC 7074 (C)	6764	4	5673	1	3464	5	5700	16	5254	5	5353	2	9287	1	9955	6	5971	3	4480	16	7462	8	7567	17	12102	6	8705	11	9531	7
40	BIO605 (C)	5794	16	5534	4	2659	18	6785	6	4349	15	5006	7	8567	9	12564	1	5449	6	6482	8	6714	14	8326	10	11543	8	7861	23	9686	3
	Location Mean	5512	.	4585	.	2579	.	5358	.	3955	.	4398	.	7313	.	7742	.	4016	.	4362	.	6222	.	7378	.	10045	.	7874	.	8071	.
	CV (%)	15.4	.	21.1	.	29.1	.	26.4	.	24.4	.	23.1	.	11.9	.	16.5	.	28.0	.	24.8	.	22.2	.	15.5	.	13.3	.	13.4	.	14.3	.
	F (Prob)	0	.	0	.	0	.	0	.	0	.	0	.	0	.	0	.	0	.	0	.	0	.	0	.	0	.	0	.	0	.
	CD (5%)	1378	.	1575	.	1223	.	2307	.	1573	.	761	.	1418	.	2082	.	1831	.	1760	.	2246	.	1858	.	2183	.	1718	.	828	.
	CD (1%)	1830	.	2091	.	1624	.	3063	.	2088	.	1003	.	1882	.	2765	.	2431	.	2337	.	2982	.	2468	.	2899	.	2281	.	1090	.

TABLE 3: (Contd.)		Yield (kg/ha)													
Sl. No.	Entry Name	Zone-V(CWZ)												All India	
		Ambikapur		Banswara		Chindwara		Jhabua		Udaipur		Zone5		Mean	R
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R		
1	AH 9003	7590	7	4514	17	5688	14	4626	10	2682	29	5095	11	6625	16
2	AH-7080	8390	2	5396	7	3050	38	4616	11	2654	30	4629	18	6863	12
3	AH-7188	8247	3	4949	11	4511	26	3343	30	3492	12	4820	16	6303	20
4	Azad Kanti	5091	23	3091	36	5363	15	4561	13	3950	4	4821	15	6197	23
5	DH-311	3798	33	2968	38	3902	32	3346	29	2727	27	3512	33	5095	39
6	DH-312	4215	29	3174	34	3366	35	2519	39	2407	34	3190	36	4827	40
7	DH-313	7445	9	5685	5	8162	1	4182	16	3277	16	5681	5	7255	3
8	EH 2878	5902	18	4815	14	4731	22	4652	9	5008	2	5038	14	7071	9
9	EH 2891	6592	14	3044	37	5294	16	5890	2	5216	1	5669	6	7229	4
10	FH 3816	5871	19	5811	4	6185	11	3654	22	3198	17	4750	17	6650	15
11	FH 3823	6792	12	5065	10	6742	6	5094	6	4273	3	5742	3	7201	6
12	FH 3837	4341	26	3459	31	4914	18	4831	8	3928	5	4407	22	6196	24
13	Filler	3543	34	3508	30	2925	39	3774	19	1909	39	2971	39	5334	35
14	IH-0652	4274	28	3242	33	4091	30	3635	23	2356	36	3544	32	5629	31
15	IH-1002	7473	8	4587	16	3809	34	3212	35	3848	6	4627	19	6603	17
16	IH-1201	4126	31	4289	24	4212	29	3252	34	2474	33	3571	31	5563	32
17	IH-1404	4630	25	4284	25	3309	36	3112	37	3691	7	3735	29	6044	25
18	JH 31947	8485	1	5264	8	7287	4	4612	12	3547	10	6033	2	7777	1
19	JH 31968	5072	24	4453	19	6156	12	3759	20	3642	9	4581	20	6347	18
20	JH 31983	6264	16	7319	1	6418	9	5079	7	2786	25	5056	13	6887	10
21	JH 32010	7435	10	6458	3	7295	3	5287	4	3114	20	5719	4	6810	13
22	JH 32013	5731	21	4883	12	6299	10	5139	5	3153	18	5057	12	6660	14
23	KMH 16-19	4006	32	2792	39	4772	21	3452	24	3497	11	3974	26	5846	27
24	KMH 16-21	2849	38	4450	20	3987	31	3397	25	3433	14	3387	34	5468	34
25	KMH 16-23	2596	39	3335	32	4268	27	3392	26	2394	35	3246	35	5244	36
26	KMH 16-9	3387	37	4298	22	4558	24	3925	18	3059	21	3805	28	5817	28
27	LMH 1115	6892	11	3936	27	4878	19	3316	31	2831	24	4423	21	6321	19
28	LMH 717	4211	30	4339	21	4260	28	2544	38	1949	38	3181	37	5502	33
29	MEH 16-1	5745	20	3629	29	5076	17	3982	17	2474	32	4229	23	6299	21

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TABLE 3: (Contd.)		Yield (kg/ha)													
Sl. No.	Entry Name	Zone-V(CWZ)												All India	
		Ambikapur		Banswara		Chindwara		Jhabua		Udaipur		Zone5		Mean	R
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R		
30	MEH 16-2	3469	36	3802	28	4547	25	3281	33	3346	15	3610	30	5748	29
31	PMH5 (C)	6464	15	4482	18	3070	37	3297	32	3650	8	4186	25	6279	22
32	REH 2013-17	8124	4	4745	15	6733	7	3745	21	3129	19	5476	8	7095	7
33	REH 2013-19	4293	27	4081	26	4708	23	3387	27	2700	28	3830	27	5747	30
34	Syngenta EXIM	2373	40	2276	40	2855	40	3145	36	1655	40	2584	40	5227	37
35	VNR-32943	5431	22	4835	13	4798	20	3364	28	2960	22	4201	24	5853	26
36	WH-2212	3539	35	3174	35	3865	33	2275	40	2274	37	3070	38	5209	38
37	Vivek Hybrid 45 (C)	6097	17	5195	9	7750	2	6610	1	3481	13	6058	1	7084	8
38	Vivek Hybrid 51 (C)	7820	5	6855	2	6640	8	4209	15	2619	31	5226	9	6884	11
39	DKC 7074 (C)	7743	6	4292	23	7180	5	4274	14	2742	26	5535	7	7201	5
40	BIO605 (C)	6689	13	5565	6	5761	13	5605	3	2956	23	5225	10	7320	2
	Location Mean	5576	.	4408	.	5085	.	3951	.	3112	.	4434	.	6284	.
	CV (%)	17.7	.	33.7	.	17.9	.	25.7	.	17.5	.	19.9	.	15.5	.
	F (Prob)	0	.	0	.	0	.	0	.	0	.	0	.	0	.
	CD (5%)	1606	.	2422	.	1485	.	1656	.	887	.	717	.	351	.
	CD (1%)	2133	.	3216	.	1972	.	2200	.	1177	.	945	.	462	.

TABLE 3: (Contd.)

Plant Stand('000/ha)

Sl. No.	Entry Name	Zone-I(NHZ)						Zone-II(NWPZ)				Zone-III(NEPZ)					
		Almora	Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 9003	63.5	83.5	76.6	75.3	74.4	74.3	58.9	72.2	58.9	62.6	71.0	74.2	57.5	73.2	78.1	70.8
2	AH-7080	64.9	77.3	82.8	72.1	76.5	75.0	60.9	71.0	61.4	64.9	68.1	76.7	57.4	71.6	72.9	69.7
3	AH-7188	65.6	72.7	77.5	69.0	74.2	71.8	59.8	64.4	59.1	60.1	73.7	73.5	54.8	66.9	75.3	68.7
4	Azad Kanti	66.0	80.5	74.2	75.6	73.5	73.9	59.1	61.9	56.3	60.1	66.5	75.4	52.4	82.7	69.1	69.1
5	DH-311	65.5	74.4	72.7	79.7	73.4	72.7	59.3	68.6	55.8	61.7	71.0	71.3	54.8	75.8	78.2	69.8
6	DH-312	65.7	74.5	79.0	72.0	76.2	73.0	61.6	71.1	59.6	64.6	69.4	72.9	56.1	81.2	71.4	69.7
7	DH-313	65.4	78.0	77.9	83.4	73.7	75.6	58.9	76.7	54.7	63.4	72.3	74.2	60.5	72.8	65.5	69.0
8	EH 2878	66.2	78.4	75.6	70.3	74.5	73.3	59.1	65.1	60.3	62.0	72.5	74.1	59.3	64.2	70.0	68.3
9	EH 2891	66.5	82.8	76.6	74.1	73.6	74.4	60.6	73.8	54.7	62.5	68.5	75.3	56.2	67.9	75.3	68.7
10	FH 3816	65.7	77.8	77.2	80.5	72.3	75.1	59.9	75.2	58.1	64.0	67.8	74.4	55.2	74.8	59.8	66.5
11	FH 3823	65.4	80.2	72.4	77.2	74.3	74.3	60.7	79.3	58.5	65.6	67.6	73.2	51.5	76.4	69.8	67.8
12	FH 3837	64.9	75.0	78.2	73.2	72.9	73.0	58.9	75.6	62.5	65.4	68.5	76.4	55.2	72.2	66.9	67.6
13	Filler	64.8	61.2	80.8	78.1	74.3	71.9	60.0	59.8	52.2	56.5	63.1	74.6	53.3	77.0	57.6	65.1
14	IH-0652	65.7	79.2	77.1	77.7	75.0	74.7	60.2	76.1	56.1	63.8	71.8	72.9	58.7	72.5	70.8	69.5
15	IH-1002	66.9	77.6	74.8	74.3	72.3	73.7	59.7	73.7	58.1	63.5	71.9	75.2	54.2	76.0	66.5	68.9
16	IH-1201	65.2	74.6	77.5	78.0	75.3	74.0	60.1	71.5	57.1	63.2	65.7	73.6	54.0	86.8	77.4	70.9
17	IH-1404	66.5	81.2	78.3	73.8	75.1	75.2	59.5	76.5	58.8	64.9	69.1	78.2	50.4	74.5	76.4	70.1
18	JH 31947	64.6	78.6	78.4	77.6	73.9	74.7	59.5	69.2	59.6	62.6	70.0	76.5	55.2	75.6	69.5	69.6
19	JH 31968	61.5	67.2	76.7	78.0	74.4	71.3	57.7	61.2	56.6	58.2	73.2	69.6	54.2	57.3	57.5	62.2
20	JH 31983	65.4	79.8	73.2	74.0	75.0	73.3	58.3	73.1	61.3	64.2	74.2	73.5	51.8	75.1	63.7	67.6
21	JH 32010	66.9	75.3	77.5	76.1	73.1	73.5	59.5	68.6	57.5	61.4	70.4	74.8	54.6	62.0	64.5	65.3
22	JH 32013	56.6	60.3	73.0	80.6	75.1	69.3	59.9	67.5	54.9	60.7	68.6	73.7	52.9	62.5	58.1	63.7
23	KMH 16-19	65.8	76.9	75.6	78.9	76.0	74.5	58.5	73.3	61.6	64.6	64.7	73.4	56.5	83.4	68.5	68.7
24	KMH 16-21	64.2	84.9	78.6	80.3	73.8	76.5	57.8	65.2	59.7	60.8	69.1	74.5	53.1	75.6	70.0	68.9
25	KMH 16-23	57.8	70.0	79.5	73.1	74.5	71.6	61.2	59.8	58.0	60.1	69.0	72.9	53.8	62.9	43.4	61.0
26	KMH 16-9	66.6	73.0	71.5	77.8	74.0	72.5	59.4	62.6	59.0	61.1	69.0	72.8	57.1	65.0	59.0	64.4
27	LMH 1115	63.2	75.0	82.6	73.9	75.1	73.9	60.0	72.4	60.4	64.5	68.7	73.3	57.8	73.4	70.2	68.7
28	LMH 717	61.0	78.8	74.0	77.8	73.7	73.3	59.0	72.1	63.4	65.1	73.1	74.9	55.0	65.8	58.7	65.8
29	MEH 16-1	64.7	73.8	76.1	78.0	75.6	73.8	58.2	67.5	61.0	61.9	75.7	75.6	52.8	63.6	76.6	68.7

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TABLE 3: (Contd.)

Plant Stand('000/ha)

Sl. No.	Entry Name	Zone-I(NHZ)						Zone-II(NWPZ)				Zone-III(NEPZ)					
		Almora	Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	MEH 16-2	64.9	78.1	77.2	78.3	73.1	74.1	59.8	72.4	58.2	63.1	66.0	74.4	53.3	73.4	59.7	65.4
31	PMH5 (C)	65.9	71.3	77.8	74.7	72.5	72.9	58.1	67.6	63.5	63.4	67.8	74.2	52.1	71.9	77.0	69.2
32	REH 2013-17	63.3	73.3	74.3	75.2	74.5	72.2	59.2	77.4	56.6	64.1	71.8	72.5	54.2	73.4	58.0	66.2
33	REH 2013-19	65.9	78.2	75.6	78.2	75.5	74.2	58.9	69.2	54.3	61.4	67.5	73.2	54.3	73.3	69.9	67.2
34	Syngenta EXIM	65.2	73.6	75.2	78.5	74.1	72.9	59.2	62.1	49.3	57.6	68.4	71.2	53.8	82.3	55.8	65.8
35	VNR-32943	64.1	72.2	71.8	78.5	73.1	72.1	57.7	71.2	56.0	61.8	68.0	75.6	57.9	71.5	60.3	66.9
36	WH-2212	61.3	75.4	75.2	76.9	75.5	72.4	60.3	72.4	54.1	62.8	70.6	71.5	56.1	76.1	64.9	67.3
37	Vivek Hybrid 45 (C)	66.6	81.9	75.6	77.8	74.7	75.3	59.4	66.7	57.8	62.1	72.5	71.4	56.5	91.9	71.5	72.6
38	Vivek Hybrid 51 (C)	62.1	80.6	79.6	74.1	76.4	74.7	58.4	74.9	55.9	62.7	67.9	75.0	51.9	69.0	69.7	66.5
39	DKC 7074 (C)	62.8	71.2	76.2	77.6	75.1	72.7	58.9	70.2	61.6	63.6	67.7	74.7	54.3	72.6	77.0	69.6
40	BIO605 (C)	66.9	85.3	79.6	70.6	73.8	75.0	59.5	79.1	55.3	64.2	69.8	75.5	55.7	76.1	70.7	69.6
	Location Mean	64.5	76.1	76.6	76.3	74.3	73.6	59.4	70.2	57.9	62.5	69.6	74.0	54.9	73.0	67.4	67.8
	CV (%)	4.1	8.2	6.2	6.0	3.0	5.9	2.6	11.8	7.9	8.9	5.5	4.2	6.3	12.4	13.6	9.4
	F (Prob)	0.00	0.00	0.68	0.16	0.92	1.00	0.44	0.37	0.30	1.00	0.20	0.82	0.29	0.05	0.00	1.00
	CD (5%)	4.3	10.1	7.7	7.5	3.6	3.2	2.5	13.5	7.4	5.2	6.2	5.0	5.6	14.7	14.9	4.7
	CD (1%)	5.7	13.5	10.2	9.9	4.8	4.2	3.4	18.0	9.9	6.8	8.2	6.7	7.5	19.5	19.8	6.2

TABLE 3: (Contd.)

Plant Stand('000/ha)

Sl. No.	Entry Name	Zone-IV(PZ)									Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	AH 9003	63.7	63.3	70.9	73.2	53.8	70.3	78.7	72.5	67.6	81.4	57.1	62.7	68.1	63.2	66.9	68.8
2	AH-7080	63.9	51.6	60.1	72.3	54.6	70.4	77.9	77.0	66.6	82.8	59.2	55.5	71.4	60.1	66.5	68.6
3	AH-7188	62.1	63.2	70.0	78.2	60.6	72.7	82.0	79.0	70.4	83.9	59.4	58.8	65.0	62.2	65.8	68.3
4	Azad Kanti	61.3	55.7	63.5	76.7	51.4	68.9	71.1	71.4	65.1	73.5	58.6	66.9	69.4	66.9	66.8	67.3
5	DH-311	62.1	60.1	61.9	73.5	51.7	72.9	73.1	45.9	62.7	64.9	55.1	59.4	74.1	63.3	63.6	66.0
6	DH-312	61.2	66.6	66.0	73.6	49.7	67.0	78.7	59.6	65.0	61.5	54.0	64.2	69.0	64.4	62.5	66.9
7	DH-313	61.8	61.8	66.8	75.4	48.9	70.5	79.3	72.9	67.5	76.4	61.5	62.8	68.8	52.0	65.2	68.4
8	EH 2878	62.7	61.6	62.8	73.2	52.3	71.6	73.1	77.0	67.0	68.6	61.6	64.1	65.3	58.3	64.2	67.3
9	EH 2891	62.5	71.5	57.4	74.6	58.5	69.5	72.8	73.0	67.3	75.2	57.2	60.9	61.6	60.3	62.9	67.6
10	FH 3816	63.4	60.3	63.8	75.2	53.6	72.1	81.7	72.8	67.8	69.8	62.2	67.3	73.1	58.4	65.6	68.1
11	FH 3823	63.4	70.3	65.8	80.5	54.7	71.4	85.7	77.1	70.9	78.1	58.4	65.8	70.5	68.4	67.8	69.7
12	FH 3837	60.6	64.1	63.0	72.1	53.0	67.0	77.2	68.9	65.8	66.5	57.7	60.9	73.1	61.2	64.0	67.1
13	Filler	61.6	53.0	45.8	70.9	33.8	68.2	65.4	40.9	54.8	63.0	54.6	55.5	53.2	60.9	57.5	60.8
14	IH-0652	62.0	49.5	58.2	71.4	50.0	67.1	67.3	71.8	62.5	62.6	56.6	63.7	64.6	50.6	59.5	65.8
15	IH-1002	61.7	69.9	63.8	74.7	54.0	71.6	76.8	76.4	68.4	78.4	60.2	65.5	65.6	62.5	66.1	68.5
16	IH-1201	63.4	61.0	73.4	71.8	51.7	68.9	81.3	71.1	67.6	67.0	61.9	60.8	66.8	56.5	62.2	67.9
17	IH-1404	62.0	69.7	60.2	77.8	48.0	67.9	79.3	71.9	67.8	65.9	56.3	66.3	63.7	65.0	63.0	68.4
18	JH 31947	58.7	58.3	59.1	72.3	61.9	77.4	64.5	83.7	66.8	79.8	60.6	65.6	64.2	59.3	65.8	68.2
19	JH 31968	62.3	44.3	61.1	74.4	52.9	67.4	78.6	65.2	63.1	65.4	60.0	56.6	62.4	46.4	58.9	63.2
20	JH 31983	62.5	69.2	70.5	74.3	50.9	67.2	74.7	80.3	69.1	71.7	65.0	59.8	66.2	57.4	64.1	68.1
21	JH 32010	66.1	56.0	53.6	75.8	54.2	71.9	67.1	60.7	62.5	75.4	61.0	54.6	65.3	50.3	61.7	64.9
22	JH 32013	64.6	46.3	60.2	71.8	51.0	69.8	71.1	69.8	63.2	68.3	59.0	54.4	62.2	46.9	58.6	63.3
23	KMH 16-19	68.1	60.1	68.6	73.0	50.6	69.7	73.6	68.4	66.7	66.7	60.9	65.6	67.3	65.9	65.0	68.0
24	KMH 16-21	62.3	46.6	51.1	70.5	44.0	68.8	66.4	55.7	57.9	58.0	56.5	58.0	62.7	51.5	57.5	63.8
25	KMH 16-23	62.7	60.5	59.4	75.0	45.7	68.4	68.0	52.5	61.5	56.0	53.6	66.6	62.5	53.4	58.4	62.6
26	KMH 16-9	62.7	49.0	59.9	72.2	39.7	67.5	67.5	65.2	60.4	62.4	54.1	61.0	65.9	51.9	58.9	63.3
27	LMH 1115	64.3	72.4	59.4	74.2	49.6	70.9	81.8	75.5	68.9	73.3	60.6	63.4	65.9	57.1	64.1	68.4
28	LMH 717	63.1	69.5	67.6	74.1	46.4	67.9	84.1	73.5	68.4	62.1	58.4	62.7	65.6	51.0	60.5	66.9
29	MEH 16-1	63.6	68.0	65.9	72.0	50.6	66.6	68.7	73.2	66.5	71.2	57.5	59.5	63.3	61.5	63.0	67.2

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TABLE 3: (Contd.)		Plant Stand('000/ha)															
Sl. No.	Entry Name	Zone-IV(PZ)									Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	MEH 16-2	63.9	57.4	60.2	71.4	56.3	69.5	75.1	78.5	66.5	62.0	58.9	66.8	54.0	58.6	59.7	66.1
31	PMH5 (C)	60.9	72.3	65.6	70.6	53.1	68.2	79.1	77.4	68.5	78.7	61.1	63.9	65.4	59.7	65.5	68.3
32	REH 2013-17	60.9	53.7	67.4	72.0	54.7	67.0	79.0	79.6	66.4	77.7	58.9	63.0	65.3	52.6	63.6	66.7
33	REH 2013-19	63.5	58.9	67.0	72.8	46.5	71.0	72.8	62.3	64.7	64.4	56.9	65.1	70.0	58.7	62.2	66.1
34	Syngenta EXIM	64.6	42.2	54.5	73.0	45.2	68.4	76.2	58.2	60.5	55.5	57.0	64.5	57.9	60.0	58.4	63.2
35	VNR-32943	62.8	47.0	61.5	77.3	48.6	69.8	73.1	74.6	64.6	66.9	55.3	64.2	67.8	63.3	62.9	65.8
36	WH-2212	60.9	63.8	62.5	73.0	50.6	69.3	82.2	77.8	67.2	61.1	54.1	66.9	60.6	56.0	59.8	66.3
37	Vivek Hybrid 45 (C)	63.4	63.6	69.7	74.3	55.8	70.3	77.9	72.1	68.3	73.5	59.0	62.1	75.1	58.8	65.6	69.2
38	Vivek Hybrid 51 (C)	60.6	65.5	69.3	77.6	51.4	72.6	84.1	77.9	69.9	78.3	62.6	65.3	70.3	57.1	66.8	68.8
39	DKC 7074 (C)	66.1	63.5	58.1	75.7	56.4	70.7	76.5	69.8	67.8	81.9	57.0	65.7	72.9	51.2	65.3	68.1
40	BIO605 (C)	65.4	78.3	61.3	74.4	52.6	69.2	74.0	67.0	67.1	74.0	56.8	59.1	67.7	61.4	64.3	68.2
	Location Mean	62.8	60.5	62.7	73.9	51.2	69.7	75.4	70.0	65.8	70.1	58.4	62.4	66.1	58.1	63.0	66.8
	CV (%)	3.4	15.5	13.7	4.6	10.8	5.8	7.5	13.7	10.0	7.8	9.2	7.1	9.2	11.2	8.9	8.8
	F (Prob)	0.01	0.00	0.32	0.24	0.00	0.74	0.00	0.00	1.00	0.00	0.90	0.04	0.03	0.01	1.00	1.00
	CD (5%)	3.5	15.3	14.0	5.6	9.0	6.6	9.2	15.6	3.9	8.9	8.8	7.3	9.9	10.6	4.2	1.9
	CD (1%)	4.6	20.3	18.6	7.4	12.0	8.8	12.2	20.7	5.1	11.8	11.6	9.6	13.2	14.0	5.5	2.5

TABLE 3: (Contd.)

Shelling(%)

Sl. No.	Entry Name	Zone-I(NHZ)						Zone-II(NWPZ)				Zone-III(NEPZ)					
		Almora	Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 9003	84.1	84.6	73.0	76.8	83.2	80.4	80.9	83.6	85.3	83.4	73.8	79.3	76.8	83.8	80.1	78.9
2	AH-7080	85.8	85.8	74.8	77.1	80.8	80.9	81.7	83.9	84.0	83.1	78.8	79.6	79.2	85.5	80.6	80.8
3	AH-7188	84.0	84.0	74.5	76.9	83.1	80.5	81.8	82.7	82.0	82.2	74.5	78.8	77.0	82.7	84.4	79.4
4	Azad Kanti	83.9	85.1	78.6	77.2	81.9	81.5	81.8	83.0	87.8	84.1	75.0	78.3	74.2	85.1	82.5	79.1
5	DH-311	86.7	85.7	77.1	77.5	82.2	81.7	80.8	81.9	80.1	80.8	74.8	79.2	74.2	83.9	74.0	77.4
6	DH-312	86.7	85.8	75.9	79.4	83.0	82.2	80.2	80.2	78.3	79.6	74.8	78.3	73.6	81.1	78.7	77.5
7	DH-313	83.9	82.7	74.6	75.8	82.9	79.9	83.3	85.1	85.1	84.6	76.2	78.4	80.1	85.1	80.8	80.3
8	EH 2878	85.7	86.1	77.2	77.1	79.7	81.3	82.2	84.6	84.9	83.6	75.3	79.5	79.6	84.7	79.6	79.7
9	EH 2891	85.8	85.5	79.9	78.3	81.8	82.3	81.7	84.9	85.2	84.1	71.7	78.9	72.8	85.5	80.9	77.9
10	FH 3816	83.1	82.9	77.1	78.3	82.7	80.9	81.0	81.9	81.4	81.7	75.9	78.6	76.4	83.3	80.8	78.9
11	FH 3823	84.6	86.2	79.0	76.1	83.1	81.8	82.8	82.4	83.2	82.9	76.0	78.7	76.4	84.7	83.8	79.8
12	FH 3837	82.5	83.2	78.4	75.8	82.2	80.5	82.3	82.3	78.6	81.2	73.1	78.6	73.8	83.0	76.6	77.0
13	Filler	83.6	84.6	79.7	75.7	82.0	80.9	82.3	78.5	81.5	80.9	69.5	79.5	74.6	84.3	81.5	77.8
14	IH-0652	83.0	83.5	74.0	76.1	83.0	79.7	80.8	81.1	75.9	79.4	73.9	79.5	77.4	86.0	78.5	79.1
15	IH-1002	84.7	82.9	73.5	76.9	81.5	79.9	82.2	82.9	83.1	82.7	71.7	79.3	75.9	84.6	80.8	78.3
16	IH-1201	85.2	85.9	73.3	78.5	81.7	80.8	80.9	79.0	79.0	79.2	71.3	79.7	76.8	85.7	81.7	78.9
17	IH-1404	84.2	80.3	78.6	75.1	83.0	80.1	81.6	83.3	81.6	82.4	75.0	80.4	78.8	84.6	81.3	79.9
18	JH 31947	84.9	85.9	72.6	77.0	82.8	80.7	81.9	87.2	82.1	84.1	77.9	79.4	75.7	86.1	82.9	80.5
19	JH 31968	85.2	87.7	77.0	75.6	81.6	81.5	82.3	86.7	84.3	84.5	76.0	80.7	77.6	84.2	78.8	79.6
20	JH 31983	85.0	87.1	73.0	77.5	82.9	81.1	82.2	85.1	85.7	84.4	73.7	79.8	78.1	85.0	80.3	79.3
21	JH 32010	86.2	86.9	75.7	79.0	81.6	81.8	82.5	86.7	84.1	84.3	74.6	80.1	80.2	84.8	80.2	80.1
22	JH 32013	85.0	85.3	75.6	76.0	82.4	80.8	82.8	83.7	85.9	84.2	80.4	78.9	75.9	82.7	77.5	79.2
23	KMH 16-19	86.2	88.4	75.1	76.8	81.4	81.4	81.9	85.2	83.1	83.3	70.4	78.3	77.9	82.6	79.2	77.6
24	KMH 16-21	86.3	83.8	79.6	80.1	81.1	82.3	82.1	84.8	83.3	83.5	71.3	79.9	79.8	83.7	80.3	79.1
25	KMH 16-23	86.2	86.9	68.3	78.3	80.9	80.2	80.7	82.1	82.6	81.6	71.0	78.8	72.7	85.1	81.4	77.8
26	KMH 16-9	86.9	85.8	77.1	79.7	82.9	82.6	81.5	84.1	84.3	83.0	70.4	79.2	72.7	86.2	82.6	78.1
27	LMH 1115	87.3	86.7	78.9	77.3	81.7	82.3	82.7	82.4	88.0	84.2	72.5	80.0	74.6	85.4	82.3	78.9
28	LMH 717	85.4	84.0	76.7	79.9	82.2	81.8	80.9	85.6	80.2	82.1	72.5	78.4	75.2	82.9	82.7	78.4
29	MEH 16-1	84.2	87.7	80.8	79.4	83.4	83.0	80.8	83.9	80.0	81.6	75.4	79.7	72.9	86.2	80.1	78.8

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TABLE 3: (Contd.)

Shelling(%)

Sl. No.	Entry Name	Zone-I(NHZ)							Zone-II(NWPZ)				Zone-III(NEPZ)					
		Almora	Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
30	MEH 16-2	84.2	83.1	75.7	77.1	82.4	80.5	80.5	81.9	80.0	81.1	71.1	78.2	78.3	84.5	74.3	77.3	
31	PMH5 (C)	85.0	85.6	77.5	76.2	80.7	81.2	81.8	82.7	83.9	83.0	75.7	79.0	79.8	87.1	86.9	81.7	
32	REH 2013-17	82.9	84.8	75.0	76.6	81.8	80.3	82.3	82.0	83.9	82.9	76.2	78.9	74.2	81.7	80.0	78.2	
33	REH 2013-19	82.4	82.4	79.4	76.8	83.5	80.9	81.2	83.0	82.1	82.1	75.4	78.7	75.1	82.7	80.8	78.5	
34	Syngenta EXIM	84.7	85.1	77.1	76.3	81.7	80.9	82.2	78.6	86.6	82.2	72.1	79.3	76.6	84.4	81.7	78.9	
35	VNR-32943	87.0	88.1	78.0	78.0	82.9	82.7	80.1	86.3	83.8	83.3	74.2	78.0	76.2	85.8	73.4	77.4	
36	WH-2212	85.8	84.0	78.9	76.4	81.1	81.2	80.8	82.7	81.4	81.3	73.9	78.7	78.6	85.1	78.3	79.0	
37	Vivek Hybrid 45 (C)	83.9	85.3	79.2	76.8	83.2	81.8	83.0	84.8	85.3	84.1	74.1	79.1	74.7	83.1	82.0	78.6	
38	Vivek Hybrid 51 (C)	83.5	83.8	77.7	76.3	81.8	80.7	83.2	85.0	84.2	84.3	74.7	79.9	80.8	85.2	79.7	80.0	
39	DKC 7074 (C)	81.5	82.0	77.1	75.4	82.6	79.6	81.1	84.7	82.4	83.0	75.8	79.7	76.3	84.1	82.5	79.6	
40	BIO605 (C)	85.5	86.4	77.8	75.4	81.6	81.3	81.7	83.4	85.8	83.5	75.7	79.2	75.2	83.3	75.6	77.9	
	Location Mean	84.8	85.0	76.6	77.2	82.1	81.1	81.7	83.3	83.0	82.7	74.2	79.2	76.4	84.4	80.3	78.9	
	CV (%)	1.0	0.0	2.8	1.2	1.8	1.6	0.9	2.0	2.3	1.8	2.2	0.8	3.4	2.1	2.3	2.3	
	F (Prob)	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	
	CD (5%)	1.3	0.0	3.5	1.5	2.4	0.9	1.3	2.7	3.1	1.4	2.6	1.0	4.2	2.8	3.0	1.3	
	CD (1%)	1.8	0.0	4.6	1.9	3.2	1.2	1.7	3.5	4.2	1.9	3.5	1.3	5.6	3.8	3.9	1.7	

TABLE 3: (Contd.)

Shelling(%)

Sl. No.	Entry Name	Zone-IV(PZ)										Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	AH 9003	81.9	85.7	79.9	79.4	86.2	82.8	86.3	79.5	82.8	79.4	72.5	87.9	75.7	80.4	79.2	80.9
2	AH-7080	80.7	86.8	77.4	78.7	84.1	81.4	83.0	80.0	81.4	77.6	78.2	85.4	77.3	80.3	79.6	81.0
3	AH-7188	80.3	84.6	73.1	78.2	85.4	80.7	84.8	80.5	81.2	77.8	77.8	85.5	74.6	79.5	79.0	80.4
4	Azad Kanti	80.2	83.8	74.2	81.1	81.5	83.2	81.8	78.6	80.6	78.7	69.9	82.6	81.3	83.6	79.0	80.6
5	DH-311	80.5	82.7	85.5	80.8	82.1	81.1	82.0	76.7	81.2	77.7	71.4	84.2	77.1	81.4	78.4	80.0
6	DH-312	80.9	84.6	73.0	79.3	85.2	79.5	77.0	76.2	79.4	79.1	70.9	84.1	76.2	81.5	78.3	79.4
7	DH-313	80.9	84.7	81.0	82.4	86.5	80.0	85.1	80.0	82.4	78.3	74.0	82.4	78.9	83.6	79.5	81.2
8	EH 2878	81.3	86.2	76.4	81.9	80.0	82.5	84.7	80.3	81.6	79.6	72.3	81.7	80.0	84.4	79.5	81.0
9	EH 2891	81.8	86.8	76.9	81.0	83.8	82.7	85.5	80.6	82.4	78.7	71.1	85.4	79.6	84.2	79.7	81.2
10	FH 3816	80.2	85.4	68.8	80.6	83.3	83.0	83.4	78.5	80.6	79.3	73.4	86.6	73.1	80.6	78.8	80.1
11	FH 3823	80.1	85.6	75.0	79.5	78.1	82.5	84.2	81.1	81.0	78.2	72.8	84.7	78.1	80.4	79.2	80.8
12	FH 3837	80.7	81.5	74.3	80.5	83.9	79.8	82.8	78.9	80.5	78.3	69.4	83.2	77.8	83.8	78.4	79.5
13	Filler	77.3	85.6	71.6	77.5	81.1	80.9	80.8	77.4	79.1	77.1	72.3	81.1	83.0	80.4	78.6	79.3
14	IH-0652	80.1	83.2	77.6	80.1	86.8	79.9	82.5	79.4	81.1	79.0	72.4	80.0	69.9	80.5	76.1	79.3
15	IH-1002	78.1	84.6	74.4	79.0	87.0	82.5	82.7	79.9	81.1	78.5	71.6	81.3	83.8	80.0	79.3	80.2
16	IH-1201	80.1	83.2	76.1	79.9	77.8	81.0	83.2	78.6	80.0	79.9	72.4	82.2	81.8	81.0	79.4	79.8
17	IH-1404	81.7	84.6	78.1	82.0	83.9	80.6	83.3	78.4	81.4	78.3	71.6	79.5	76.0	80.8	77.5	80.2
18	JH 31947	80.3	86.5	76.6	80.3	85.0	82.2	86.7	81.8	82.5	76.5	76.2	87.9	79.3	84.5	81.1	81.7
19	JH 31968	81.7	86.8	70.2	80.3	85.5	80.2	86.0	78.9	81.2	77.7	72.6	85.9	75.7	80.6	78.7	80.8
20	JH 31983	81.4	86.7	76.3	81.6	79.7	81.9	86.3	82.2	82.0	78.7	75.6	84.8	74.7	83.8	79.6	81.1
21	JH 32010	81.5	87.5	81.8	81.8	84.6	82.1	85.3	78.3	82.8	78.5	76.1	86.8	78.0	83.5	80.4	81.8
22	JH 32013	80.7	84.6	75.6	79.4	82.3	81.4	82.9	79.8	80.8	77.7	73.7	84.6	80.9	79.5	79.0	80.5
23	KMH 16-19	81.0	87.7	80.2	80.1	89.1	81.7	84.9	78.6	82.8	78.3	68.8	87.9	83.0	82.5	80.0	81.1
24	KMH 16-21	79.8	86.0	76.8	82.1	84.0	83.3	87.2	78.2	82.3	78.8	71.0	87.6	77.6	82.7	79.1	81.2
25	KMH 16-23	80.8	86.0	76.9	81.9	87.5	78.7	85.1	77.0	81.8	78.0	67.5	84.1	74.9	83.3	77.7	79.9
26	KMH 16-9	79.2	87.1	76.1	80.7	86.1	81.8	85.3	79.1	81.9	79.3	71.9	85.6	83.1	82.1	80.4	81.2
27	LMH 1115	82.0	86.9	79.5	81.9	85.7	81.6	87.4	78.8	82.9	78.4	72.3	82.4	72.0	82.6	77.5	81.1
28	LMH 717	81.7	85.1	77.1	81.1	84.9	82.2	84.7	78.4	82.0	80.0	73.1	82.9	72.3	83.0	78.3	80.6
29	MEH 16-1	79.6	85.6	78.8	81.3	85.0	82.5	85.7	79.3	82.2	79.4	72.2	80.4	80.1	82.4	78.9	81.0

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TABLE 3: (Contd.)

Shelling(%)

Sl. No.	Entry Name	Zone-IV(PZ)									Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
30	MEH 16-2	81.3	84.7	74.1	81.0	86.1	81.5	83.1	79.0	81.4	77.0	71.3	83.2	78.4	84.0	78.5	79.8
31	PMH5 (C)	81.2	84.7	78.5	79.7	84.8	81.4	82.6	81.8	82.0	78.4	71.1	81.7	78.1	80.5	78.0	81.1
32	REH 2013-17	78.4	81.9	70.4	77.6	88.2	81.3	85.4	81.8	80.7	77.7	75.7	82.4	71.5	80.5	78.1	79.9
33	REH 2013-19	79.2	85.9	74.1	81.2	82.8	81.3	83.8	77.2	80.6	78.4	69.3	84.3	82.5	79.5	78.7	80.1
34	Syngenta EXIM	77.5	83.4	70.0	80.0	78.9	80.0	76.7	77.8	77.8	78.7	65.2	73.8	81.3	78.0	75.3	78.7
35	VNR-32943	81.2	88.2	78.7	81.3	89.1	81.5	88.6	80.5	83.6	79.6	74.1	84.3	74.7	80.3	78.8	81.3
36	WH-2212	80.6	83.1	78.6	81.9	84.6	81.6	85.1	78.6	81.6	78.2	69.2	86.3	73.3	80.2	77.5	80.2
37	Vivek Hybrid 45 (C)	80.6	86.4	77.7	79.0	81.3	81.8	84.1	81.7	81.6	78.3	73.9	85.5	80.2	84.7	80.5	81.2
38	Vivek Hybrid 51 (C)	81.7	85.6	75.0	81.6	82.3	82.9	84.4	81.0	82.0	78.6	79.9	81.5	77.2	82.5	79.8	81.2
39	DKC 7074 (C)	80.0	83.9	75.8	79.3	83.0	81.7	84.9	80.9	81.0	79.6	72.8	84.4	75.4	82.4	79.2	80.3
40	BIO605 (C)	77.7	85.4	79.2	80.2	85.7	80.0	85.7	79.3	81.6	78.4	74.0	86.3	79.9	81.5	79.9	80.7
	Location Mean	80.4	85.2	76.3	80.4	84.1	81.5	84.1	79.4	81.4	78.5	72.5	83.8	77.7	81.8	78.9	80.5
	CV (%)	1.1	1.1	5.7	2.5	0.0	1.2	2.3	1.1	2.4	1.9	3.5	3.5	6.3	0.0	3.6	2.5
	F (Prob)	0.00	0.00	0.03	0.42	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.12	0.00	0.00	0.00
	CD (5%)	1.4	1.5	7.0	3.3	0.0	1.5	3.2	1.4	1.1	2.5	4.1	4.8	8.0	0.0	2.1	0.6
	CD (1%)	1.9	1.9	9.3	4.3	0.0	2.0	4.2	1.8	1.5	3.3	5.4	6.4	10.6	0.0	2.8	0.8

TABLE 3: (Contd.)

Moisture(%)

Sl. No.	Entry Name	Zone-I(NHZ)							Zone-II(NWPZ)				Zone-III(NEPZ)					
		Almora	Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	AH 9003	23.1	22.2	28.1	29.5	25.4	25.7	21.0	13.3	29.0	21.1	22.6	17.6	22.6	25.6	27.0	22.9	
2	AH-7080	23.5	22.7	23.8	32.6	25.7	25.6	20.6	13.5	29.1	21.0	22.8	18.0	25.5	22.7	29.0	23.7	
3	AH-7188	24.0	22.2	28.2	33.8	25.7	26.8	19.8	13.4	28.2	20.5	21.3	17.3	20.9	24.4	26.8	22.2	
4	Azad Kanti	22.6	22.3	28.1	34.6	25.6	26.7	20.7	13.9	29.4	21.3	22.5	18.0	21.1	22.4	25.3	21.8	
5	DH-311	20.6	21.6	27.2	29.6	25.8	24.9	20.7	14.2	28.7	21.2	18.5	17.2	18.6	22.3	24.8	20.2	
6	DH-312	21.4	21.4	25.0	33.1	26.0	25.5	21.1	13.8	27.0	20.6	19.7	17.6	19.1	22.7	25.2	20.7	
7	DH-313	20.7	22.0	24.8	29.7	25.1	24.5	20.7	15.0	28.1	21.3	22.7	18.0	29.2	23.7	30.5	24.9	
8	EH 2878	22.6	22.0	24.1	32.7	26.0	25.4	19.9	13.2	28.2	20.4	21.4	18.8	20.9	21.6	28.3	22.3	
9	EH 2891	22.5	21.6	26.8	33.1	25.3	25.9	20.8	13.9	27.0	20.6	22.9	17.7	22.9	23.3	33.2	23.8	
10	FH 3816	22.8	21.7	26.9	30.6	26.0	25.7	20.0	14.2	24.3	19.5	20.5	17.6	20.8	25.9	28.2	22.8	
11	FH 3823	20.9	21.3	26.8	32.8	26.0	25.6	20.3	13.1	27.2	20.2	23.5	18.0	21.6	24.6	28.0	23.3	
12	FH 3837	19.8	22.4	26.3	34.4	25.4	25.8	20.0	14.3	27.2	20.6	22.7	16.4	19.3	20.9	29.9	22.0	
13	Filler	27.8	22.2	27.3	35.4	26.1	27.7	20.9	12.6	29.6	21.0	20.8	18.0	22.8	24.9	28.7	23.2	
14	IH-0652	23.5	21.8	28.4	27.1	25.3	25.2	20.9	13.9	28.0	21.0	24.5	18.2	20.0	23.3	25.1	22.2	
15	IH-1002	23.1	22.4	27.4	29.0	25.3	25.3	20.6	14.1	28.4	21.0	21.4	17.9	21.5	24.5	28.5	22.9	
16	IH-1201	21.6	22.3	25.9	30.5	25.1	24.9	21.6	13.3	28.8	21.2	21.2	18.3	21.0	23.6	23.6	21.7	
17	IH-1404	22.8	21.4	26.4	28.7	25.0	24.9	20.8	12.7	25.4	19.6	22.5	17.8	20.6	25.2	29.0	23.1	
18	JH 31947	22.7	22.1	27.4	33.8	25.3	26.4	21.0	17.0	29.5	22.5	23.6	18.1	23.1	23.7	27.8	23.2	
19	JH 31968	23.2	21.7	26.3	34.3	25.7	26.3	21.0	14.7	26.2	20.6	22.3	18.2	20.7	21.8	26.7	21.9	
20	JH 31983	23.3	21.9	25.8	33.7	25.6	26.2	20.5	13.5	26.9	20.3	23.4	18.7	26.4	22.5	27.4	23.6	
21	JH 32010	24.4	22.6	26.8	29.6	25.4	25.6	20.0	15.6	27.4	21.0	21.7	18.4	28.5	24.0	26.7	23.7	
22	JH 32013	24.6	22.2	26.0	35.1	25.4	26.5	20.6	14.0	29.8	21.4	23.3	17.7	20.9	22.8	26.4	22.2	
23	KMH 16-19	22.1	21.8	26.6	28.1	25.4	24.8	20.2	13.3	27.1	20.2	19.4	17.1	19.5	22.3	25.5	21.0	
24	KMH 16-21	21.6	21.9	22.3	27.4	25.6	23.8	20.0	13.0	27.2	20.0	21.0	18.7	25.2	22.7	27.8	23.0	
25	KMH 16-23	23.4	21.9	26.9	32.4	25.3	25.8	20.6	12.9	28.9	20.7	19.8	17.9	19.6	25.2	25.5	21.7	
26	KMH 16-9	23.8	21.6	25.2	28.5	25.3	24.8	20.1	13.3	28.3	20.5	19.5	18.2	21.6	18.9	24.8	20.5	
27	LMH 1115	22.9	21.1	26.0	29.6	25.7	25.0	19.9	13.7	28.1	20.6	20.6	17.8	26.3	23.6	27.0	23.0	
28	LMH 717	20.5	21.9	29.3	26.7	25.0	24.7	21.0	14.6	26.7	20.7	20.2	18.6	22.7	22.8	29.3	22.7	
29	MEH 16-1	21.7	21.7	25.9	31.8	26.1	25.5	20.5	14.2	28.1	20.9	21.5	17.4	24.7	22.9	28.6	23.3	

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TABLE 3: (Contd.)

Moisture(%)

Sl. No.	Entry Name	Zone-I(NHZ)						Zone-II(NWPZ)				Zone-III(NEPZ)					
		Almora Mean	Bajaura Mean	Gossaingaon Mean	Kangra Mean	Udhampur Mean	Zone1 Mean	Karnal Mean	Ludhiana Mean	Pantnagar Mean	Zone2 Mean	Baharaich Mean	Bhubaneswar Mean	Dholi Mean	Ranchi Mean	Sabour Mean	Zone3 Mean
30	MEH 16-2	19.9	21.5	25.8	31.7	25.9	25.1	20.9	13.6	26.3	20.4	19.8	18.1	22.0	23.2	26.3	21.7
31	PMH5 (C)	23.0	22.0	24.5	30.1	25.5	25.1	20.4	14.0	27.4	20.5	22.1	16.8	23.3	23.3	26.4	22.4
32	REH 2013-17	22.9	22.5	25.3	34.6	25.3	26.1	20.4	17.2	30.0	22.5	23.6	18.1	24.1	23.9	32.4	24.4
33	REH 2013-19	21.1	21.3	25.1	31.3	25.2	25.0	20.5	13.7	26.9	20.4	23.2	17.8	22.2	22.8	29.0	22.9
34	Syngenta EXIM	27.2	22.6	24.2	35.7	26.0	27.0	21.1	13.8	28.8	21.3	21.9	18.7	24.7	21.3	32.8	23.8
35	VNR-32943	19.3	20.9	29.5	29.1	25.6	24.8	20.7	13.2	23.0	19.0	20.0	18.3	18.5	23.5	29.2	21.9
36	WH-2212	19.6	22.2	26.8	30.0	25.7	24.7	21.0	13.9	29.2	21.4	19.0	17.3	19.6	23.2	26.0	20.9
37	Vivek Hybrid 45 (C)	25.6	21.9	25.2	28.2	25.3	25.2	20.4	12.9	27.0	20.0	21.9	17.5	23.4	21.4	24.1	21.6
38	Vivek Hybrid 51 (C)	25.0	21.5	28.0	34.0	25.0	26.9	19.6	14.0	27.7	20.5	21.4	17.9	24.2	21.8	29.2	23.1
39	DKC 7074 (C)	21.6	22.0	27.3	32.1	25.6	25.8	20.5	17.1	28.7	22.1	22.4	17.8	23.7	24.0	29.4	23.5
40	BIO605 (C)	24.6	21.5	28.9	33.0	25.4	26.5	20.5	15.2	29.3	21.7	21.8	18.7	22.4	23.7	31.1	23.4
	Location Mean	22.7	21.9	26.4	31.5	25.5	25.6	20.5	14.0	27.8	20.8	21.6	17.9	22.4	23.2	27.8	22.6
	CV (%)	8.2	1.7	5.6	6.3	1.9	5.5	3.3	4.8	4.0	4.1	4.7	3.0	9.5	5.0	9.4	7.4
	F (Prob)	0.00	0.00	0.00	0.00	0.22	1.00	0.39	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00
	CD (5%)	3.0	0.6	2.4	3.3	0.8	1.0	1.1	1.1	1.8	0.8	1.7	0.9	3.5	1.9	4.2	1.2
	CD (1%)	4.0	0.8	3.2	4.3	1.1	1.3	1.5	1.5	2.4	1.1	2.2	1.2	4.6	2.5	5.6	1.6

TABLE 3: (Contd.)		Moisture(%)																
Sl. No.	Entry Name	Zone-IV(PZ)									Zone-V(CWZ)						All India	
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur	Zone5		
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		
1	AH 9003	19.9	15.5	20.3	14.2	12.7	13.8	13.7	16.2	15.8	16.2	16.1	12.0	11.5	15.2	14.8	19.7	
2	AH-7080	20.6	12.9	20.5	16.1	11.7	14.3	13.5	17.2	15.9	17.2	16.8	48.9	12.0	15.1	15.2	19.9	
3	AH-7188	19.2	15.7	20.2	16.0	12.8	13.8	13.5	15.2	15.9	16.4	16.1	11.6	11.2	15.1	14.7	19.7	
4	Azad Kanti	20.7	11.1	21.2	16.5	12.9	14.3	10.2	16.0	15.3	15.1	16.1	14.1	12.1	16.0	14.8	19.5	
5	DH-311	19.7	12.7	22.2	16.2	11.3	13.5	12.9	15.2	15.4	13.8	16.2	13.3	11.6	15.1	14.2	18.8	
6	DH-312	16.9	13.4	20.7	15.7	11.5	12.6	12.4	15.6	14.8	14.4	15.9	10.2	11.6	15.7	14.4	18.8	
7	DH-313	19.8	18.3	19.9	18.7	11.6	15.2	13.0	16.5	16.7	15.8	15.3	12.4	11.7	15.5	14.6	20.1	
8	EH 2878	20.5	15.8	20.3	16.5	12.4	13.5	12.8	15.8	16.0	15.3	16.8	9.5	12.1	15.0	14.8	19.5	
9	EH 2891	21.0	12.3	19.9	18.9	13.4	15.1	13.7	16.1	16.2	16.5	15.6	11.8	11.3	15.1	14.7	19.9	
10	FH 3816	21.1	12.5	21.7	16.9	12.7	14.3	13.9	16.4	16.2	15.2	16.5	12.9	10.7	15.8	14.5	19.6	
11	FH 3823	17.1	13.3	19.5	17.7	11.2	13.5	12.1	15.8	15.1	15.6	16.2	11.8	11.7	16.6	15.0	19.5	
12	FH 3837	18.0	12.6	20.7	15.6	11.3	12.8	14.0	16.6	15.3	14.8	16.1	7.6	10.9	16.7	14.5	19.3	
13	Filler	19.7	17.0	21.7	15.4	12.5	14.1	9.4	16.7	15.9	13.7	16.4	12.4	11.7	14.2	13.9	20.0	
14	IH-0652	20.4	16.9	20.4	17.4	13.2	14.5	13.7	15.8	16.4	14.0	15.6	15.6	11.4	15.6	14.1	19.5	
15	IH-1002	20.9	13.7	20.8	17.9	12.9	15.0	12.3	16.0	16.4	15.2	16.3	12.7	11.8	16.0	14.8	19.8	
16	IH-1201	18.5	13.8	19.6	15.9	13.1	13.4	12.8	16.1	15.5	14.1	15.9	11.9	11.6	15.0	14.1	19.1	
17	IH-1404	20.4	15.3	21.0	17.0	12.1	14.1	13.0	15.7	16.0	13.9	16.5	13.1	11.4	16.7	14.7	19.4	
18	JH 31947	19.8	13.6	20.7	17.0	12.8	14.2	13.6	16.6	16.0	17.6	16.2	13.1	11.5	16.3	15.4	20.2	
19	JH 31968	18.6	12.8	20.8	18.5	11.1	14.0	13.5	16.2	15.7	14.4	15.9	8.5	11.5	16.8	14.7	19.5	
20	JH 31983	19.3	14.9	21.0	14.8	13.1	14.3	13.4	16.4	15.8	15.5	16.9	8.4	12.6	15.8	15.3	19.9	
21	JH 32010	18.7	15.2	20.6	19.7	12.1	14.8	13.6	15.6	16.3	15.9	16.6	15.4	11.1	16.0	14.9	20.0	
22	JH 32013	20.8	17.9	20.7	14.6	14.5	14.2	13.1	16.1	16.4	15.8	16.5	18.4	11.7	15.2	14.7	19.9	
23	KMH 16-19	18.5	14.8	21.0	15.7	11.7	12.7	12.9	15.4	15.4	14.3	16.0	13.5	11.7	16.2	14.5	18.8	
24	KMH 16-21	18.2	15.5	21.6	17.1	12.2	14.7	13.2	15.6	15.9	13.9	16.2	13.1	11.3	14.3	13.9	19.1	
25	KMH 16-23	17.9	14.8	21.5	15.3	12.2	14.3	12.5	15.2	15.5	13.4	16.1	13.4	11.4	14.2	13.8	19.2	
26	KMH 16-9	19.4	15.0	19.3	15.8	12.3	14.4	12.4	15.8	15.5	14.0	15.9	14.8	11.8	16.7	14.7	18.8	
27	LMH 1115	20.1	15.7	19.6	16.6	11.5	14.9	13.7	16.0	16.0	16.5	15.8	10.3	11.2	16.0	14.9	19.6	
28	LMH 717	19.2	14.6	19.9	17.5	11.2	14.0	13.0	15.7	15.7	14.0	16.5	10.3	12.0	15.9	14.6	19.3	
29	MEH 16-1	19.6	15.2	20.7	16.8	12.9	15.0	12.9	16.2	16.3	15.4	15.9	10.7	11.9	15.2	14.5	19.8	

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TABLE 3: (Contd.)		Moisture(%)															
Sl. No.	Entry Name	Zone-IV(PZ)									Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
30	MEH 16-2	18.4	13.2	20.3	18.0	11.7	14.0	14.5	16.6	15.6	13.8	15.4	12.3	11.4	15.0	13.9	19.0
31	PMH5 (C)	17.7	13.2	20.3	19.1	11.9	14.0	13.3	16.5	15.7	16.0	15.3	11.7	11.5	15.3	14.5	19.3
32	REH 2013-17	19.6	12.9	20.3	18.7	13.1	14.7	13.2	17.1	16.2	16.9	16.3	15.5	11.7	15.5	15.2	20.4
33	REH 2013-19	20.8	16.7	20.6	16.9	12.9	14.8	13.3	15.4	16.3	14.2	16.2	12.8	11.2	15.5	14.3	19.5
34	Syngenta EXIM	20.0	13.9	22.2	15.6	13.4	14.6	7.9	16.3	15.5	13.2	15.5	11.9	11.3	15.0	13.8	19.9
35	VNR-32943	15.6	12.9	19.9	16.7	11.4	14.3	13.2	16.7	15.1	15.0	16.4	10.7	11.2	15.1	14.5	18.8
36	WH-2212	20.0	14.1	21.7	15.3	13.9	12.4	13.0	16.8	16.0	14.1	15.5	11.4	11.8	15.0	14.1	19.1
37	Vivek Hybrid 45 (C)	18.0	17.6	20.3	19.6	13.7	14.6	12.3	16.7	16.6	15.4	16.0	15.3	12.1	16.5	15.0	19.5
38	Vivek Hybrid 51 (C)	18.3	12.0	19.4	16.2	13.3	14.8	12.9	15.9	15.4	16.4	16.3	12.6	12.2	15.3	14.9	19.8
39	DKC 7074 (C)	21.1	15.5	19.8	15.7	13.7	14.4	14.0	16.4	16.2	16.7	16.6	13.1	11.5	15.2	15.0	20.1
40	BIO605 (C)	21.3	16.7	21.3	20.7	13.3	14.6	13.5	16.4	17.3	15.9	16.7	11.9	11.2	15.9	15.0	20.5
	Location Mean	19.4	14.5	20.6	16.9	12.5	14.2	12.9	16.1	15.9	15.1	16.1	13.3	11.6	15.6	14.6	19.5
	CV (%)	4.7	8.6	6.5	7.9	6.4	4.7	7.7	2.8	6.4	5.8	2.7	77.3	5.8	0.0	4.0	6.1
	F (Prob)	0.00	0.00	0.65	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.51	0.81	0.00	1.00	1.00
	CD (5%)	1.5	2.0	2.2	2.2	1.3	1.1	1.6	0.7	0.6	1.4	0.7	16.7	1.1	0.0	0.5	0.4
	CD (1%)	2.0	2.7	2.9	2.9	1.7	1.4	2.1	1.0	0.8	1.9	0.9	22.2	1.5	0.0	0.6	0.5

TABLE 3: (Contd.)

Days to 50% Pollen Shed

Sl. No.	Entry Name	Zone-I(NHZ)						Zone-II(NWPZ)				Zone-III(NEPZ)					
		Almora	Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 9003	56.1	51.2	54.0	51.0	50.4	52.6	47.0	49.6	51.9	49.4	50.1	45.4	50.5	48.3	50.9	48.9
2	AH-7080	59.0	51.9	54.8	51.5	51.9	53.8	46.9	50.5	50.0	49.3	49.8	46.7	52.5	50.2	50.3	49.8
3	AH-7188	55.8	50.7	53.7	50.1	51.0	52.3	47.3	51.0	50.0	49.4	49.3	46.8	50.7	49.9	50.3	49.3
4	Azad Kanti	58.7	52.7	53.8	51.4	50.3	53.4	46.5	53.1	52.6	50.4	50.5	49.5	50.9	45.5	49.6	49.4
5	DH-311	53.5	48.0	53.0	49.1	48.6	50.3	43.1	46.2	49.1	45.9	44.8	45.7	46.5	46.8	46.0	45.9
6	DH-312	49.9	44.1	53.9	49.7	47.4	49.1	43.8	45.5	47.6	45.2	43.9	44.4	47.1	47.1	45.7	45.7
7	DH-313	57.2	53.6	53.6	52.2	51.4	53.5	47.9	50.8	49.0	49.3	50.9	49.1	51.0	52.1	51.0	50.7
8	EH 2878	59.5	52.3	53.3	52.5	50.2	53.5	47.3	50.5	52.4	50.3	50.2	46.3	49.9	51.9	52.3	50.0
9	EH 2891	58.2	52.9	54.1	51.0	52.2	53.8	48.5	51.2	52.2	50.7	51.8	47.6	50.6	48.4	53.1	50.3
10	FH 3816	54.8	51.1	53.2	51.4	51.1	52.4	47.1	50.8	52.0	49.8	49.0	48.8	49.8	49.6	49.9	49.5
11	FH 3823	54.4	49.5	52.7	48.4	49.6	50.9	45.7	49.9	49.6	48.5	50.0	45.0	49.2	46.9	49.5	48.0
12	FH 3837	55.0	50.4	54.2	50.2	51.2	52.3	45.2	50.8	50.5	48.8	50.5	46.9	48.0	46.1	50.7	48.5
13	Filler	60.4	54.3	54.4	53.2	52.7	55.0	48.7	53.0	54.3	51.8	54.1	47.6	52.9	45.8	56.4	51.4
14	IH-0652	55.9	49.9	53.5	49.0	50.2	51.7	45.8	49.9	50.8	48.9	48.9	45.8	50.2	46.8	47.9	48.0
15	IH-1002	56.8	53.5	52.5	51.8	51.2	53.1	48.5	49.8	52.6	50.4	51.2	49.7	50.2	47.6	52.0	50.1
16	IH-1201	55.9	49.9	53.5	49.2	49.1	51.4	44.6	50.5	52.3	49.1	50.2	48.4	50.3	46.8	49.4	49.1
17	IH-1404	54.9	51.6	53.7	50.3	50.4	52.2	46.6	49.1	49.1	48.5	49.7	45.3	49.1	48.1	47.7	48.0
18	JH 31947	59.2	54.0	53.9	54.6	51.1	54.6	47.7	52.8	53.2	51.0	52.5	49.7	51.7	48.0	51.6	50.6
19	JH 31968	58.3	50.3	52.9	50.5	50.7	52.5	47.5	49.9	53.4	50.4	50.8	48.0	52.4	50.2	49.8	50.0
20	JH 31983	55.1	51.6	54.3	50.9	50.8	52.6	45.4	49.5	50.0	48.7	50.0	48.6	50.4	49.0	50.3	49.7
21	JH 32010	56.8	51.6	53.3	52.0	51.3	53.0	48.4	49.9	51.9	49.9	48.0	47.4	52.6	48.6	52.1	49.6
22	JH 32013	55.8	51.5	54.0	52.7	51.3	53.0	48.7	50.6	49.8	49.6	47.2	45.0	52.0	48.0	52.0	48.8
23	KMH 16-19	53.5	47.8	53.7	47.9	47.9	50.0	44.2	46.2	48.2	46.1	47.2	44.1	47.3	48.1	47.4	46.9
24	KMH 16-21	53.9	47.9	54.2	47.3	49.4	50.7	45.0	50.2	49.9	48.1	48.3	46.0	49.6	48.7	47.3	48.1
25	KMH 16-23	54.0	48.7	52.7	48.3	48.1	50.2	43.9	48.1	50.6	47.7	49.3	45.2	47.3	46.4	50.2	47.6
26	KMH 16-9	54.7	49.0	54.5	48.8	47.8	50.9	43.8	48.6	48.2	46.9	46.2	45.4	48.0	48.5	48.1	47.3
27	LMH 1115	54.5	48.4	54.5	49.5	48.8	51.1	42.8	49.7	51.0	48.2	46.5	45.3	48.1	47.0	47.9	47.0
28	LMH 717	52.1	46.3	53.5	46.5	46.9	49.0	41.9	45.9	48.3	45.7	47.3	44.2	48.2	47.6	49.4	47.3
29	MEH 16-1	57.6	51.7	53.6	50.7	50.4	52.7	44.6	50.9	49.1	48.3	50.0	47.2	49.8	49.4	51.4	49.5

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TABLE 3: (Contd.) Days to 50% Pollen Shed

Sl. No.	Entry Name	Zone-I(NHZ)						Zone-II(NWPZ)				Zone-III(NEPZ)					
		Almora	Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	MEH 16-2	51.9	47.6	53.4	47.9	47.3	49.9	44.5	49.1	50.6	47.9	47.0	45.8	48.1	47.1	47.9	47.4
31	PMH5 (C)	53.9	49.3	53.8	49.6	48.7	51.1	43.4	50.1	49.2	47.5	48.4	46.6	46.8	46.4	46.8	47.1
32	REH 2013-17	60.8	54.0	53.3	53.3	51.3	54.5	48.4	52.6	52.8	51.3	53.3	49.9	55.1	50.3	53.8	52.3
33	REH 2013-19	56.4	53.4	54.3	52.0	49.8	53.3	45.3	51.7	52.5	49.7	49.8	48.6	51.7	45.6	49.8	49.4
34	Syngenta EXIM	60.4	54.5	53.2	51.8	52.3	54.4	48.4	51.4	57.5	52.5	53.1	49.2	54.2	47.9	54.2	51.9
35	VNR-32943	54.0	48.0	53.2	48.7	46.7	50.1	43.3	45.1	50.2	46.5	46.4	45.2	46.1	47.7	47.8	46.7
36	WH-2212	55.0	50.8	53.5	52.4	49.5	52.1	44.6	47.5	53.2	48.3	50.1	47.6	49.2	44.5	49.7	48.2
37	Vivek Hybrid 45 (C)	54.3	49.7	53.9	48.8	50.8	51.4	45.8	50.2	48.2	48.1	48.9	46.1	47.0	50.2	49.5	48.4
38	Vivek Hybrid 51 (C)	58.0	47.1	53.9	50.2	46.8	51.3	43.9	47.8	50.2	47.2	49.5	46.2	46.7	46.8	49.7	47.8
39	DKC 7074 (C)	59.6	53.6	54.4	53.3	52.1	54.6	47.6	52.1	51.1	50.5	51.7	47.0	51.4	46.7	52.1	49.8
40	BIO605 (C)	56.8	51.9	53.3	52.3	51.3	53.1	46.7	49.2	55.3	50.3	50.3	48.1	52.6	51.3	53.1	50.9
	Location Mean	56.1	50.7	53.7	50.6	50.0	52.2	45.9	49.8	51.0	48.9	49.5	46.9	49.9	48.1	50.1	48.9
	CV (%)	1.7	2.7	2.5	3.7	2.6	2.7	3.4	4.5	3.1	3.7	2.7	2.1	2.9	5.0	3.5	3.4
	F (Prob)	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00
	CD (5%)	1.5	2.3	2.2	3.1	2.1	1.0	2.5	3.6	2.6	1.8	2.2	1.6	2.4	4.0	2.8	1.2
	CD (1%)	2.0	3.0	2.9	4.1	2.8	1.4	3.4	4.8	3.4	2.3	2.9	2.1	3.2	5.2	3.7	1.6

TABLE 3: (Contd.)

Days to 50% Pollen Shed

Sl. No.	Entry Name	Zone-IV(PZ)									Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	AH 9003	46.8	51.6	51.6	49.7	53.3	49.8	51.2	43.6	49.8	47.6	41.1	55.3	54.3	53.3	50.3	50.2
2	AH-7080	47.8	53.3	54.1	51.9	51.6	49.4	52.8	46.9	50.9	48.5	42.8	57.1	50.5	53.1	50.4	51.0
3	AH-7188	47.5	53.1	53.1	53.2	52.4	49.2	52.4	43.9	50.7	47.9	42.4	56.7	51.9	54.0	50.5	50.6
4	Azad Kanti	47.4	54.5	53.3	51.7	54.6	48.6	52.7	46.7	51.1	48.5	41.1	56.4	53.4	55.6	51.1	51.1
5	DH-311	45.6	49.8	49.1	48.8	46.8	46.3	49.2	43.5	47.3	45.1	42.5	52.0	49.2	51.2	48.0	47.6
6	DH-312	46.7	49.7	48.0	48.2	45.2	46.5	47.3	43.5	46.8	44.4	44.0	51.0	48.7	51.6	48.0	47.1
7	DH-313	47.4	52.9	55.1	52.4	53.8	51.7	52.0	47.4	51.4	48.7	42.4	56.4	52.3	55.8	51.1	51.4
8	EH 2878	47.1	53.4	54.4	51.6	52.4	50.1	52.1	44.6	50.7	48.6	42.6	57.6	54.6	51.8	51.0	51.1
9	EH 2891	46.5	53.5	53.4	52.9	51.9	50.4	52.2	46.0	51.0	48.4	41.3	56.3	53.6	51.2	50.2	51.2
10	FH 3816	47.2	53.4	53.5	51.7	52.3	49.3	52.8	45.2	50.7	48.9	43.2	55.1	52.3	53.8	50.7	50.7
11	FH 3823	44.9	50.6	49.8	48.5	52.7	48.4	51.6	43.6	48.9	47.5	42.5	53.4	50.5	52.7	49.3	49.1
12	FH 3837	47.1	51.7	50.6	49.3	51.2	47.4	50.3	43.1	48.8	47.3	43.8	53.4	51.9	53.0	49.8	49.6
13	Filler	49.0	56.6	55.6	54.3	54.7	52.5	53.6	46.5	52.9	52.4	43.3	57.7	55.6	58.3	53.4	53.0
14	IH-0652	46.7	53.3	52.1	51.0	51.4	48.0	51.7	44.9	50.0	46.9	41.9	54.1	51.2	53.5	49.6	49.7
15	IH-1002	46.8	52.5	53.8	50.6	52.7	48.0	52.7	45.2	50.4	48.4	42.9	56.6	53.6	55.5	51.3	51.0
16	IH-1201	46.6	51.7	49.7	48.3	50.7	47.7	51.3	44.5	48.8	46.2	42.6	54.5	50.6	52.9	49.3	49.5
17	IH-1404	46.4	50.5	49.1	49.0	51.1	47.2	50.9	43.6	48.5	46.5	42.1	54.1	49.1	52.9	49.0	49.2
18	JH 31947	49.2	55.8	54.6	50.6	55.8	51.8	52.7	47.8	52.2	50.9	42.9	57.4	54.4	56.8	52.6	52.3
19	JH 31968	48.1	55.4	54.7	52.0	55.3	52.8	52.2	46.2	52.0	49.9	42.5	58.0	56.7	53.8	52.1	51.6
20	JH 31983	47.5	52.0	50.1	48.5	51.8	50.4	52.5	45.0	49.8	48.1	42.1	56.0	51.6	53.7	50.2	50.3
21	JH 32010	46.7	53.2	55.6	53.2	54.3	51.3	52.4	44.5	51.4	48.8	42.2	55.8	54.4	54.3	51.0	51.1
22	JH 32013	47.8	52.5	54.6	52.7	54.0	50.7	52.8	45.0	51.3	48.9	42.8	57.1	53.7	54.6	51.4	51.0
23	KMH 16-19	46.0	50.9	49.4	48.5	50.6	47.7	50.0	42.5	48.2	45.4	43.1	53.4	49.4	52.2	48.7	48.1
24	KMH 16-21	47.2	51.1	50.6	51.1	50.6	46.7	52.3	45.3	49.4	46.5	41.9	53.1	51.6	52.0	49.1	49.2
25	KMH 16-23	46.2	51.4	50.9	49.1	50.0	46.6	51.0	44.7	48.8	45.9	42.4	53.6	51.8	51.4	49.0	48.8
26	KMH 16-9	46.2	53.4	48.7	48.2	53.0	47.0	50.8	46.1	49.2	47.4	43.1	54.4	49.9	51.8	49.3	48.9
27	LMH 1115	45.3	50.9	49.9	49.0	51.5	48.0	50.7	43.9	48.6	45.6	42.1	52.5	51.5	52.7	48.8	48.8
28	LMH 717	44.9	49.8	50.3	49.2	48.7	46.1	49.6	43.0	47.7	44.7	42.3	52.4	50.4	51.5	48.2	47.7
29	MEH 16-1	47.0	52.4	52.0	48.9	50.3	48.2	51.9	43.8	49.2	47.4	42.7	56.7	50.7	53.9	50.2	50.0

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TABLE 3: (Contd.)

Days to 50% Pollen Shed

Sl. No.	Entry Name	Zone-IV(PZ)									Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
30	MEH 16-2	44.7	50.9	54.4	51.4	49.8	46.6	50.2	43.3	49.0	44.8	42.0	52.1	51.7	52.6	48.7	48.6
31	PMH5 (C)	46.3	50.9	51.5	48.1	50.9	49.2	51.4	44.0	49.0	46.7	42.4	53.2	49.8	52.5	49.0	48.9
32	REH 2013-17	47.9	56.4	56.6	51.7	53.6	53.6	52.7	49.0	52.7	52.5	41.3	57.3	55.2	57.1	52.7	52.8
33	REH 2013-19	48.3	53.3	51.2	48.4	53.1	49.2	51.9	46.3	50.2	49.5	41.9	56.4	51.9	55.5	51.1	50.7
34	Syngenta EXIM	49.6	56.5	53.5	50.7	55.9	53.2	51.8	47.0	52.3	51.7	42.6	57.8	55.6	57.1	52.9	52.8
35	VNR-32943	44.7	49.9	48.1	49.4	47.5	46.2	47.5	43.3	47.2	45.9	42.2	52.6	49.0	51.3	48.2	47.8
36	WH-2212	45.9	51.2	53.4	49.8	49.3	48.6	50.2	44.9	49.1	46.8	42.0	53.5	52.7	52.2	49.4	49.5
37	Vivek Hybrid 45 (C)	46.2	50.7	49.3	49.8	49.0	48.0	49.4	43.8	48.3	46.8	41.4	52.7	49.9	52.8	48.7	49.0
38	Vivek Hybrid 51 (C)	45.4	50.4	49.3	49.9	47.9	48.8	48.0	42.8	47.7	45.3	42.1	53.1	51.5	52.6	48.9	48.6
39	DKC 7074 (C)	49.1	54.5	52.4	51.4	54.4	50.2	52.5	47.0	51.5	49.8	43.4	56.8	56.1	55.6	52.4	51.8
40	BIO605 (C)	47.0	53.5	56.0	51.5	55.0	50.7	52.4	45.5	51.5	48.5	41.8	56.8	54.8	53.0	51.0	51.5
	Location Mean	46.9	52.5	52.1	50.4	51.8	49.1	51.3	44.9	49.9	47.7	42.4	55.0	52.2	53.5	50.2	50.1
	CV (%)	2.4	1.7	3.7	2.9	3.8	2.5	1.7	2.6	2.8	2.2	2.7	1.8	3.6	1.6	2.4	2.9
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00
	CD (5%)	1.8	1.4	3.2	2.4	3.2	2.0	1.4	1.9	0.8	1.7	1.8	1.6	3.0	1.4	0.9	0.5
	CD (1%)	2.4	1.9	4.2	3.2	4.3	2.6	1.9	2.5	1.1	2.3	2.4	2.1	4.0	1.9	1.2	0.6

TABLE 3: (Contd.)

Days to 50% Silking

Sl. No.	Entry Name	Zone-I(NHZ)						Zone-II(NWPZ)				Zone-III(NEPZ)					
		Almora	Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 9003	57.0	53.2	58.5	54.2	53.9	55.5	49.7	51.2	54.5	51.7	52.9	47.7	52.0	52.2	55.7	51.8
2	AH-7080	60.0	53.8	61.2	55.3	55.4	56.9	48.8	52.4	51.6	51.1	51.9	49.5	53.4	53.1	54.7	52.7
3	AH-7188	57.1	53.6	60.0	53.8	53.5	55.7	49.6	52.7	52.7	51.7	50.3	49.4	51.8	54.1	56.5	52.3
4	Azad Kanti	60.3	55.2	58.8	55.3	54.4	56.8	49.3	54.9	55.5	52.9	54.0	51.8	53.2	46.6	54.0	52.2
5	DH-311	54.7	51.0	58.8	53.0	51.7	53.7	45.6	47.6	51.5	48.0	46.1	48.0	52.5	52.7	50.7	49.9
6	DH-312	50.4	47.2	59.4	53.2	50.7	52.3	46.6	46.9	49.8	47.3	45.8	46.7	51.2	50.8	49.5	48.8
7	DH-313	58.5	55.7	57.8	55.6	54.7	56.4	50.5	52.8	50.6	51.3	53.0	52.3	52.5	55.2	57.2	53.9
8	EH 2878	60.6	54.3	57.6	56.2	53.9	56.4	50.2	52.4	54.6	52.7	51.9	48.6	51.5	54.4	56.7	52.8
9	EH 2891	59.6	55.5	58.6	55.4	55.0	57.0	50.9	53.1	55.1	53.2	54.8	50.7	52.5	53.2	57.5	53.6
10	FH 3816	55.8	53.8	58.0	55.1	54.1	55.5	49.3	52.6	54.8	52.0	49.9	50.7	52.5	52.4	55.4	52.2
11	FH 3823	55.1	52.1	58.7	51.7	52.4	54.0	47.7	51.7	52.5	50.8	65.7	47.2	51.4	53.5	55.4	54.5
12	FH 3837	56.6	53.0	57.2	54.0	55.3	55.3	48.0	52.9	52.1	50.9	51.4	50.3	48.9	50.5	56.4	51.7
13	Filler	61.7	56.9	59.1	56.9	55.9	58.1	51.3	55.0	57.1	54.3	55.1	50.2	53.9	50.2	63.4	54.6
14	IH-0652	56.9	51.8	58.6	52.9	54.1	54.9	48.2	51.4	53.8	51.2	50.6	48.6	51.3	51.7	53.5	51.1
15	IH-1002	58.4	55.8	56.9	55.5	54.9	56.2	51.0	51.6	54.9	52.6	52.3	51.8	51.5	54.0	56.9	53.3
16	IH-1201	57.1	52.3	56.7	52.9	52.8	54.2	47.3	52.1	55.4	51.5	50.9	51.1	52.4	51.1	56.5	52.5
17	IH-1404	55.9	54.2	60.7	54.5	53.0	55.6	48.6	51.0	51.6	50.6	52.7	46.7	50.2	57.8	52.7	51.9
18	JH 31947	59.4	56.1	58.2	57.9	54.2	57.3	50.0	54.4	55.6	53.1	54.8	52.7	53.7	53.0	56.6	54.0
19	JH 31968	58.5	52.5	57.7	53.7	54.0	55.3	50.2	51.5	55.8	52.7	53.5	50.5	55.4	52.7	52.9	52.8
20	JH 31983	55.7	53.5	59.1	54.2	54.4	55.5	47.7	51.4	52.1	50.8	52.8	51.2	52.2	53.4	55.4	52.9
21	JH 32010	56.6	54.0	56.0	55.3	54.1	55.3	50.3	51.8	53.8	51.9	49.7	50.3	53.9	52.1	57.6	52.6
22	JH 32013	56.2	53.9	59.4	56.1	54.0	55.7	51.3	52.5	52.6	52.1	48.9	47.7	52.4	49.9	56.5	51.2
23	KMH 16-19	54.8	50.7	58.3	51.6	51.3	53.2	46.3	47.8	50.7	48.0	47.5	46.4	53.6	53.1	52.5	50.7
24	KMH 16-21	56.2	50.4	59.6	50.9	53.0	54.1	46.9	51.7	52.2	50.1	50.2	48.3	52.1	49.4	52.9	50.8
25	KMH 16-23	55.8	51.5	56.5	51.6	52.4	53.4	45.8	50.1	53.4	49.9	51.7	47.2	48.7	52.6	56.7	51.5
26	KMH 16-9	56.3	51.5	59.2	51.9	51.3	53.9	46.0	50.0	50.8	49.0	48.9	47.7	50.4	53.0	53.0	50.7
27	LMH 1115	55.7	50.6	58.9	53.3	52.7	54.3	45.4	51.6	53.5	50.6	47.6	47.5	50.0	51.2	53.7	50.0
28	LMH 717	54.4	49.2	57.5	50.1	50.7	52.3	43.5	46.8	50.6	47.3	49.7	46.6	49.3	52.2	55.8	50.8
29	MEH 16-1	58.2	54.2	60.0	54.1	54.0	56.0	48.4	53.0	51.8	51.1	50.4	49.7	50.9	50.7	55.9	51.6

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TABLE 3: (Contd.)

Days to 50% Silking

Sl. No.	Entry Name	Zone-I(NHZ)						Zone-II(NWPZ)				Zone-III(NEPZ)					
		Almora	Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	MEH 16-2	52.2	49.6	57.2	51.7	51.1	52.7	46.8	50.6	53.1	50.0	48.3	48.6	49.6	51.5	53.9	50.4
31	PMH5 (C)	55.6	52.5	59.6	52.5	52.8	54.6	45.7	51.7	51.7	49.6	51.4	49.5	48.0	48.1	51.5	49.8
32	REH 2013-17	62.4	56.3	64.5	56.5	54.5	58.9	50.5	54.5	55.6	53.6	57.0	52.5	56.6	54.7	58.6	55.5
33	REH 2013-19	59.0	55.8	60.4	55.4	52.8	56.9	47.8	53.8	55.4	52.1	51.7	51.7	53.0	51.1	56.0	52.8
34	Syngenta EXIM	60.6	56.5	56.6	54.5	55.3	56.7	51.2	53.5	60.1	55.0	56.0	50.8	56.1	54.0	60.6	55.5
35	VNR-32943	53.9	51.1	58.1	52.8	50.8	53.3	46.3	46.9	53.2	49.1	48.5	46.8	49.6	57.1	54.4	51.1
36	WH-2212	57.0	53.5	58.2	56.0	52.9	55.4	47.3	48.6	55.8	50.4	52.1	49.1	51.6	52.3	57.1	52.3
37	Vivek Hybrid 45 (C)	56.3	52.8	58.8	52.6	54.0	54.7	48.0	52.0	50.5	50.2	51.5	48.3	49.7	55.3	57.0	52.5
38	Vivek Hybrid 51 (C)	58.9	50.0	59.5	54.0	50.6	54.7	46.7	49.2	52.4	49.3	50.4	48.7	48.9	49.5	55.0	50.7
39	DKC 7074 (C)	59.9	56.2	60.3	56.8	55.6	57.8	50.6	54.0	53.9	53.0	55.1	49.7	52.5	53.8	56.4	53.3
40	BIO605 (C)	56.9	54.3	58.6	56.3	54.8	56.3	49.3	51.2	57.5	52.6	53.0	50.7	54.2	54.1	58.9	54.0
	Location Mean	57.1	53.2	58.7	54.1	53.4	55.3	48.4	51.5	53.5	51.1	51.8	49.3	51.9	52.5	55.5	52.2
	CV (%)	2.0	2.6	4.8	3.6	2.3	3.3	3.2	4.6	3.0	3.7	7.5	2.3	4.1	6.0	3.7	5.1
	F (Prob)	0.00	0.00	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00
	CD (5%)	1.9	2.2	4.6	3.2	2.0	1.3	2.5	3.9	2.6	1.8	6.4	1.8	3.5	5.2	3.3	2.0
	CD (1%)	2.5	2.9	6.1	4.3	2.7	1.8	3.4	5.1	3.5	2.4	8.4	2.4	4.6	6.8	4.4	2.6

TABLE 3: (Contd.)

Days to 50% Silking

Sl. No.	Entry Name	Zone-IV(PZ)										Zone-V(CWZ)					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		
1	AH 9003	49.7	51.5	54.8	52.7	55.3	61.1	52.5	46.2	51.9	49.9	44.1	55.5	56.6	56.1	52.5	52.7
2	AH-7080	50.3	53.2	57.2	54.3	53.6	43.7	53.8	50.6	53.2	51.2	45.8	57.6	54.7	56.4	53.1	53.6
3	AH-7188	50.1	54.5	56.1	55.1	54.4	52.7	54.1	47.2	53.2	52.1	45.4	57.7	55.3	56.4	53.3	53.4
4	Azad Kanti	50.3	55.5	56.1	54.0	56.6	51.5	53.7	49.6	53.6	51.5	43.7	57.2	56.4	58.1	53.5	53.9
5	DH-311	48.4	50.5	52.1	51.0	48.8	40.8	50.1	46.5	49.6	48.2	45.5	52.1	53.7	54.2	50.8	50.5
6	DH-312	49.5	49.5	50.0	50.6	47.2	55.2	48.2	46.9	48.8	47.4	47.0	51.5	51.1	53.6	50.2	49.6
7	DH-313	50.0	54.2	58.4	54.8	55.8	221.0	53.6	50.9	53.8	51.7	45.4	57.2	55.0	57.9	53.4	54.0
8	EH 2878	50.0	53.0	55.4	54.7	54.4	59.9	53.7	47.8	52.6	51.6	45.6	58.2	56.3	53.3	52.9	53.5
9	EH 2891	49.3	54.7	55.2	55.7	53.9	53.7	53.4	48.9	53.2	51.9	44.3	57.4	56.2	53.0	52.6	53.9
10	FH 3816	50.0	52.1	57.0	54.0	54.3	50.6	54.2	48.2	52.8	52.3	46.2	55.0	54.4	56.2	52.9	53.1
11	FH 3823	48.2	51.6	52.1	51.6	54.7	50.7	52.9	46.3	51.1	50.7	45.5	54.8	52.8	55.3	51.8	52.5
12	FH 3837	49.8	53.2	53.9	51.9	53.2	58.2	51.6	46.2	51.3	50.1	46.8	55.5	55.8	56.0	52.8	52.4
13	Filler	51.4	56.7	58.7	56.5	56.7	37.3	55.0	50.1	55.0	54.8	46.3	58.1	57.5	60.6	55.4	55.6
14	IH-0652	49.7	53.3	54.9	54.1	53.4	33.3	53.2	48.4	52.5	49.7	44.9	55.7	55.2	55.8	52.3	52.5
15	IH-1002	49.5	54.5	57.0	53.1	54.7	50.8	54.0	48.3	53.0	52.2	45.9	58.2	55.6	57.7	53.9	53.8
16	IH-1201	49.1	54.5	52.6	51.4	52.7	51.3	52.9	47.4	51.5	48.8	45.6	55.9	54.9	55.8	52.1	52.4
17	IH-1404	49.1	51.4	51.6	51.6	53.1	32.6	52.7	47.2	51.0	49.6	45.1	54.8	51.4	55.4	51.3	52.1
18	JH 31947	51.2	56.2	56.7	53.3	57.8	62.7	54.0	51.1	54.3	53.4	46.0	57.5	55.7	58.6	54.4	54.7
19	JH 31968	50.6	55.0	58.1	54.7	57.3	71.4	53.4	49.7	54.1	53.0	45.5	58.1	59.9	55.4	54.3	53.9
20	JH 31983	49.9	52.2	53.2	51.1	53.8	60.3	54.3	47.7	51.8	51.3	45.0	57.0	54.6	56.9	52.9	52.8
21	JH 32010	49.4	53.5	57.9	56.6	56.3	61.6	53.9	47.2	53.6	51.7	45.2	56.3	55.9	56.2	53.1	53.4
22	JH 32013	50.1	52.1	58.2	55.6	56.0	35.7	54.2	47.8	53.5	51.8	45.8	57.3	56.1	56.4	53.5	53.3
23	KMH 16-19	48.8	51.4	52.4	51.3	52.6	33.4	51.3	45.9	50.5	48.3	46.1	53.6	52.4	53.9	50.8	50.9
24	KMH 16-21	49.5	52.1	53.8	53.6	52.6	49.4	53.7	48.5	52.0	48.6	44.9	55.1	55.1	54.1	51.7	51.9
25	KMH 16-23	48.5	53.3	53.8	51.5	52.0	52.0	52.3	48.4	51.4	48.8	45.4	55.4	53.8	53.9	51.5	51.7
26	KMH 16-9	48.8	54.3	51.6	50.6	55.0	51.3	52.7	49.1	51.8	49.9	46.0	55.4	53.4	55.1	52.0	51.7
27	LMH 1115	48.2	52.8	52.4	51.2	53.5	58.8	52.3	47.0	51.1	48.5	45.1	53.7	53.7	54.7	51.0	51.4
28	LMH 717	48.0	50.7	53.2	51.5	50.7	57.8	51.3	45.8	50.1	47.8	45.2	53.2	54.2	53.8	50.7	50.5
29	MEH 16-1	49.4	54.1	55.0	51.6	52.3	42.2	53.5	47.5	51.8	50.9	45.7	57.0	53.1	57.6	52.7	52.7

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TABLE 3: (Contd.)

Days to 50% Silking

Sl. No.	Entry Name	Zone-IV(PZ)									Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
30	MEH 16-2	48.1	51.3	55.1	53.8	51.8	47.6	51.3	46.1	51.1	47.9	45.0	52.9	54.6	54.9	51.1	51.2
31	PMH5 (C)	49.3	52.2	54.8	50.7	52.9	51.7	52.8	46.9	51.4	48.9	45.4	54.5	52.7	55.7	51.6	51.5
32	REH 2013-17	49.8	56.3	58.8	53.5	55.6	64.1	53.7	53.0	54.4	55.2	44.3	58.0	59.4	59.6	55.3	55.6
33	REH 2013-19	50.5	56.1	53.8	50.9	55.1	52.7	53.7	49.2	52.7	51.7	44.9	57.0	55.8	57.5	53.5	53.6
34	Syngenta EXIM	51.0	58.1	56.4	53.7	57.9	55.3	53.5	50.4	54.5	54.3	45.5	58.2	57.6	59.0	54.9	55.3
35	VNR-32943	47.7	50.1	50.8	52.4	49.5	48.5	48.6	46.6	49.5	48.7	45.2	53.5	51.6	53.0	50.4	50.7
36	WH-2212	48.8	53.6	56.0	52.4	51.3	60.7	51.6	48.7	51.7	49.3	45.0	55.4	56.9	54.1	52.1	52.5
37	Vivek Hybrid 45 (C)	49.5	51.3	52.3	52.0	51.0	52.0	50.7	46.8	50.5	48.6	44.4	53.7	52.8	56.1	51.1	51.9
38	Vivek Hybrid 51 (C)	49.5	50.8	52.9	51.9	49.9	55.8	49.3	46.2	49.9	48.4	45.1	54.2	54.8	55.3	51.5	51.3
39	DKC 7074 (C)	51.1	55.7	55.3	54.0	56.4	36.3	54.1	49.8	53.8	52.6	46.4	57.8	58.7	57.7	54.7	54.6
40	BIO605 (C)	49.7	53.5	58.3	54.2	57.0	61.3	53.3	48.5	53.6	51.7	44.8	58.0	57.0	56.5	53.6	54.1
	Location Mean	49.5	53.3	54.8	53.0	53.8	55.7	52.7	48.1	52.2	50.6	45.4	55.9	55.1	55.9	52.6	52.8
	CV (%)	1.8	1.7	3.9	2.6	3.7	82.2	1.7	2.7	2.8	2.3	2.5	1.8	3.6	1.7	2.5	3.5
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.00
	CD (5%)	1.5	1.5	3.5	2.2	3.2	74.5	1.4	2.1	0.9	1.9	1.9	1.6	3.2	1.6	1.0	0.6
	CD (1%)	2.0	2.0	4.6	3.0	4.3	99.0	1.9	2.8	1.2	2.5	2.5	2.2	4.2	2.1	1.3	0.8

TABLE 3: (Contd.)		Days to 75% Dry Husk														
Sl. No.	Entry Name	Zone-I(NHZ)						Zone-II(NWPZ)			Zone-III(NEPZ)					
		Almora	Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 9003	102.0	98.4	100.5	92.4	96.9	98.1	81.0	86.7	84.1	82.1	80.5	81.9	89.7	86.0	83.6
2	AH-7080	102.7	91.8	97.1	93.9	98.4	96.7	79.7	88.1	84.0	82.5	83.1	87.6	89.8	83.6	85.5
3	AH-7188	98.9	91.0	96.0	92.1	96.5	95.0	78.7	87.6	83.1	81.1	83.2	82.8	91.5	82.5	84.0
4	Azad Kanti	103.9	92.8	95.6	94.1	97.4	96.9	80.5	89.9	85.1	80.7	83.3	85.1	87.1	82.2	84.0
5	DH-311	98.7	89.0	94.4	91.6	94.7	93.5	80.1	85.3	82.7	79.8	80.9	77.5	90.0	76.6	80.9
6	DH-312	94.6	87.8	93.0	91.3	93.7	92.2	80.8	86.8	83.8	78.8	81.2	78.9	87.6	77.7	80.9
7	DH-313	99.8	97.8	97.5	94.1	97.7	97.2	80.3	86.7	83.8	81.6	82.0	82.1	91.9	84.7	84.5
8	EH 2878	103.1	94.8	96.6	94.5	96.9	97.1	78.4	87.7	83.0	82.0	82.1	80.5	91.0	82.3	83.8
9	EH 2891	102.4	94.9	98.2	94.1	98.0	97.6	80.1	89.4	84.9	82.8	82.1	82.4	91.2	85.4	84.5
10	FH 3816	94.9	86.3	92.5	94.8	97.1	93.3	79.5	87.9	83.6	80.1	83.0	81.0	89.8	79.0	82.7
11	FH 3823	97.8	91.2	95.8	90.7	95.4	94.2	79.9	88.5	84.1	82.0	82.5	83.1	89.9	87.0	84.8
12	FH 3837	99.0	92.6	92.0	92.2	98.3	94.9	79.1	87.4	83.3	80.6	82.1	81.4	88.4	84.7	83.7
13	Filler	103.1	96.4	100.0	95.2	98.2	98.5	81.3	86.4	83.8	81.8	83.3	86.7	88.8	91.9	86.4
14	IH-0652	99.6	92.2	96.2	91.2	97.0	95.1	80.3	88.3	84.4	81.3	80.8	81.3	92.1	83.7	83.7
15	IH-1002	98.6	93.2	93.7	94.1	98.0	95.5	80.4	87.0	83.5	79.2	83.3	81.1	91.5	83.7	83.7
16	IH-1201	97.6	93.4	93.1	91.5	95.8	94.2	81.4	88.0	84.4	80.9	82.3	79.9	88.7	86.3	83.6
17	IH-1404	97.4	89.4	92.7	93.8	95.9	93.7	81.2	85.2	83.3	80.5	80.8	78.2	92.2	79.8	82.3
18	JH 31947	102.7	99.3	97.3	96.5	97.2	98.8	79.8	91.1	85.6	71.5	83.6	81.4	88.7	81.1	81.3
19	JH 31968	102.6	93.5	99.5	92.4	97.0	97.0	80.1	87.2	83.9	82.8	83.0	85.2	90.6	83.0	84.8
20	JH 31983	96.0	89.7	96.2	93.3	97.4	94.5	79.2	85.5	82.5	80.3	82.2	82.3	90.7	85.8	84.3
21	JH 32010	98.2	91.4	99.0	93.8	97.1	95.9	79.5	89.5	84.6	83.0	82.6	83.3	88.9	84.0	84.1
22	JH 32013	95.8	89.7	100.1	94.3	96.9	95.3	79.3	90.7	85.0	81.4	83.3	82.7	89.5	84.5	84.2
23	KMH 16-19	96.2	87.7	94.6	90.0	94.3	92.4	79.4	84.8	81.9	78.1	80.3	77.1	90.1	79.8	81.1
24	KMH 16-21	96.1	89.2	95.1	88.7	95.9	93.2	79.7	88.9	84.3	79.1	81.3	82.0	89.5	77.6	82.0
25	KMH 16-23	96.3	91.2	93.5	90.9	95.4	93.4	79.4	85.9	82.5	78.8	81.6	78.4	88.8	82.6	82.1
26	KMH 16-9	96.1	86.7	93.7	91.0	94.3	92.3	79.0	88.5	83.6	77.2	82.9	81.1	88.9	77.5	81.5
27	LMH 1115	96.2	87.0	92.0	92.0	95.7	92.5	78.7	86.3	82.6	78.2	80.3	78.4	89.0	81.2	81.5
28	LMH 717	94.2	84.8	98.4	89.5	93.7	92.1	80.2	86.9	83.7	79.1	80.0	78.1	87.8	83.9	81.9
29	MEH 16-1	101.3	92.1	97.3	92.5	97.0	95.9	79.4	87.5	83.5	80.6	81.7	79.0	86.7	83.3	82.4

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TABLE 3: (Contd.)		Days to 75% Dry Husk														
Sl. No.	Entry Name	Zone-I(NHZ)						Zone-II(NWPZ)			Zone-III(NEPZ)					
		Almora	Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	MEH 16-2	95.5	93.0	98.2	90.2	94.0	94.4	80.4	85.8	83.2	79.6	79.8	80.0	89.4	83.2	82.4
31	PMH5 (C)	98.6	93.3	97.2	91.6	95.8	95.5	79.9	89.9	84.8	80.0	82.6	82.0	87.5	77.3	82.1
32	REH 2013-17	106.9	93.8	98.0	95.7	97.5	98.4	81.2	90.7	86.1	82.3	85.1	86.2	91.8	87.7	86.4
33	REH 2013-19	102.4	91.4	94.7	93.6	95.8	95.7	79.2	87.2	83.1	80.2	82.8	83.7	88.4	85.5	84.3
34	Syngenta EXIM	102.4	93.5	95.9	93.2	98.3	96.6	81.5	88.2	84.7	80.8	82.8	83.8	91.7	90.5	86.0
35	VNR-32943	95.1	90.0	93.2	92.3	93.8	92.9	80.5	86.2	83.3	77.7	81.8	77.4	91.8	79.6	81.6
36	WH-2212	100.0	90.0	92.3	94.2	95.9	94.4	80.4	86.6	83.3	81.6	82.2	80.0	89.9	83.3	83.3
37	Vivek Hybrid 45 (C)	97.1	93.0	95.7	91.6	97.0	94.8	80.0	89.2	84.4	78.9	81.2	81.1	91.5	82.5	83.1
38	Vivek Hybrid 51 (C)	101.3	92.6	95.3	92.5	93.7	95.2	78.4	86.4	82.4	78.0	81.8	78.7	87.0	81.4	81.6
39	DKC 7074 (C)	102.8	97.0	99.0	96.4	98.6	98.7	79.8	90.9	85.4	82.2	83.4	80.2	91.2	84.2	84.3
40	BIO605 (C)	99.5	91.4	97.4	94.1	97.8	96.0	80.2	88.5	84.4	83.7	82.6	84.3	91.9	83.7	84.9
	Location Mean	99.2	91.9	96.0	92.8	96.4	95.2	79.9	87.7	83.8	80.3	82.1	81.4	89.8	83.0	83.4
	CV (%)	1.3	1.9	2.3	2.3	1.3	1.8	1.5	2.2	1.9	4.0	1.4	2.5	2.6	3.2	2.8
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.01	0.00	0.24	0.00	0.00	0.33	0.00	0.00
	CD (5%)	2.1	2.8	3.5	3.4	2.0	1.3	1.9	3.2	1.9	5.2	1.9	3.3	3.8	4.4	1.8
	CD (1%)	2.7	3.8	4.7	4.5	2.6	1.7	2.6	4.2	2.6	6.9	2.5	4.4	5.0	5.8	2.3

TABLE 3:

(Contd.)

Days to 75% Dry Husk

Sl. No.	Entry Name	Zone-IV(PZ)									Zone-V(CWZ)						All India Mean
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	AH 9003	86.9	97.6	86.8	87.6	84.1	87.0	84.7	85.1	87.5	86.2	72.0	92.8	90.4	86.0	85.6	88.2
2	AH-7080	86.3	97.6	89.8	86.0	82.2	89.9	86.0	90.4	88.5	85.9	72.3	91.4	90.7	86.3	85.1	88.5
3	AH-7188	86.3	96.3	89.3	89.5	83.5	88.1	83.7	86.4	87.9	84.8	72.6	81.4	87.2	86.3	82.6	87.1
4	Azad Kanti	86.6	95.7	86.7	88.4	85.5	86.5	87.0	90.3	88.6	85.9	68.4	92.1	90.0	87.0	84.5	88.2
5	DH-311	85.5	92.2	84.0	84.6	77.4	87.1	81.4	84.6	84.6	81.9	72.0	88.5	85.4	85.1	82.7	85.1
6	DH-312	86.0	91.8	81.8	82.9	75.7	85.6	80.8	85.0	83.9	83.0	73.8	83.3	83.3	83.7	81.6	84.5
7	DH-313	86.4	98.4	88.6	90.9	84.4	86.6	87.2	91.8	89.2	85.6	71.0	92.3	84.4	87.3	84.2	88.4
8	EH 2878	85.7	97.8	88.0	87.0	83.2	90.4	85.2	87.2	88.0	87.0	74.3	91.1	91.7	80.8	84.7	87.9
9	EH 2891	85.9	98.8	90.7	91.4	83.1	91.4	86.5	88.4	89.5	85.8	70.5	90.1	92.1	79.8	83.6	88.6
10	FH 3816	85.6	92.3	84.6	87.6	83.2	85.8	82.9	87.1	86.3	85.6	72.6	84.6	86.1	85.6	83.1	86.1
11	FH 3823	85.4	94.3	89.1	85.3	83.8	85.9	84.5	85.4	86.6	85.2	72.6	88.1	87.1	84.9	83.6	87.0
12	FH 3837	86.3	95.7	86.7	85.1	82.2	87.3	85.3	85.5	86.8	85.3	72.8	86.3	88.7	85.8	83.9	87.0
13	Filler	87.4	95.9	87.3	89.9	85.6	88.8	86.3	91.0	89.1	85.8	72.1	84.5	88.2	86.1	83.5	88.9
14	IH-0652	86.0	94.1	86.7	88.9	82.2	87.8	84.1	87.4	87.1	85.8	69.6	84.5	87.9	85.7	82.7	87.0
15	IH-1002	85.8	94.1	90.3	86.3	84.0	85.8	82.7	87.5	87.0	84.7	72.4	82.8	88.5	87.6	83.3	87.0
16	IH-1201	86.0	94.4	88.4	87.2	81.9	85.4	84.0	86.0	86.6	84.6	70.9	83.1	87.1	84.2	82.2	86.4
17	IH-1404	85.4	91.8	89.5	84.3	81.8	86.9	84.6	86.0	86.2	85.5	71.3	82.5	83.5	85.2	81.6	85.8
18	JH 31947	87.4	100.2	89.8	87.4	86.5	88.3	88.9	91.6	90.2	88.7	73.0	93.3	92.1	86.0	86.7	89.1
19	JH 31968	87.0	100.8	90.6	88.8	86.0	88.6	87.6	88.5	89.6	86.3	72.6	93.5	92.2	84.8	85.9	88.9
20	JH 31983	85.7	94.0	89.2	84.6	82.7	86.3	85.7	87.1	86.7	85.6	68.0	89.2	89.0	85.9	83.4	86.8
21	JH 32010	85.9	98.4	88.0	92.9	85.3	87.9	87.9	86.6	89.1	85.4	71.2	93.3	89.7	86.4	85.4	88.3
22	JH 32013	86.9	96.1	86.6	91.2	84.6	86.3	86.8	86.4	88.3	83.5	70.4	89.4	88.2	86.9	83.5	87.7
23	KMH 16-19	85.3	90.2	84.9	84.6	81.8	86.2	83.7	85.5	85.3	84.2	72.2	85.4	83.8	83.3	82.0	84.9
24	KMH 16-21	86.3	91.8	81.8	87.4	80.9	88.1	83.9	87.8	86.4	84.2	70.3	86.9	83.8	84.8	81.8	85.8
25	KMH 16-23	85.6	92.0	85.7	84.6	80.3	86.6	83.8	88.5	85.9	84.0	70.8	86.4	86.1	83.0	81.9	85.6
26	KMH 16-9	85.4	92.8	88.5	83.7	84.1	86.3	83.6	88.2	86.6	84.8	71.4	87.9	85.3	84.2	82.5	85.7
27	LMH 1115	85.8	90.1	88.1	85.0	82.5	86.2	84.9	86.9	85.9	84.3	71.5	82.9	85.4	82.6	81.3	85.2
28	LMH 717	85.6	89.7	88.8	86.9	79.1	86.2	83.8	85.8	85.7	85.6	69.1	81.4	83.9	83.1	80.3	85.0
29	MEH 16-1	86.2	97.4	88.5	84.5	80.9	87.8	85.5	86.1	87.0	84.9	68.6	85.5	86.4	86.9	82.6	86.7

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TABLE 3: (Contd.) Days to 75% Dry Husk

Sl. No.	Entry Name	Zone-IV(PZ)									Zone-V(CWZ)						All India Mean
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		
30	MEH 16-2	85.1	91.8	84.6	89.1	80.5	87.2	83.5	84.5	85.9	84.5	69.5	88.0	87.9	84.9	83.0	86.1
31	PMH5 (C)	86.1	91.1	84.0	86.2	81.6	89.9	84.0	85.2	86.2	85.3	72.6	81.5	86.4	85.4	82.0	86.3
32	REH 2013-17	86.0	101.6	90.9	88.7	84.4	90.4	88.9	93.1	90.4	86.0	70.7	93.5	91.7	86.6	85.7	89.9
33	REH 2013-19	87.0	95.7	88.5	83.8	84.1	87.6	85.3	90.0	87.8	85.2	73.0	88.6	90.8	86.8	84.9	87.7
34	Syngenta EXIM	86.6	96.2	87.2	87.1	87.5	90.0	88.4	91.0	89.1	85.6	72.5	83.2	89.1	85.4	83.2	88.4
35	VNR-32943	84.7	90.7	87.4	87.6	78.2	87.4	82.1	85.2	85.2	85.6	71.3	84.2	81.8	83.1	81.2	85.1
36	WH-2212	85.5	92.0	83.5	86.9	83.1	86.6	82.3	87.4	85.9	84.0	71.0	83.9	87.7	81.6	81.8	86.0
37	Vivek Hybrid 45 (C)	86.4	96.5	77.9	85.0	83.1	85.7	85.9	85.6	85.8	84.5	74.4	91.9	84.3	86.2	84.1	86.6
38	Vivek Hybrid 51 (C)	85.9	95.0	87.0	83.4	78.5	85.9	80.3	85.2	85.2	85.0	70.1	87.3	88.7	85.4	83.4	85.9
39	DKC 7074 (C)	86.7	94.8	87.5	89.7	85.5	88.5	86.6	90.7	88.6	83.2	74.0	92.8	91.2	85.6	85.3	88.9
40	BIO605 (C)	86.6	96.0	88.6	89.9	85.9	87.6	83.2	87.6	88.2	84.0	72.2	85.9	89.5	87.4	83.9	88.0
	Location Mean	86.1	94.8	87.1	87.0	82.8	87.5	84.8	87.5	87.2	85.1	71.5	87.4	87.7	85.1	83.3	87.0
	CV (%)	1.1	2.1	5.1	3.0	2.9	1.9	2.2	2.1	2.8	2.0	3.9	2.6	3.2	2.3	2.8	2.5
	F (Prob)	0.19	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.62	0.00	0.00	0.00	0.00	0.00
	CD (5%)	1.5	3.2	7.2	4.3	4.0	2.7	3.1	3.0	1.4	2.8	4.5	3.7	4.5	3.1	1.7	0.7
	CD (1%)	2.0	4.2	9.6	5.7	5.2	3.5	4.1	4.0	1.8	3.7	6.0	4.9	6.0	4.2	2.3	1.0

TABLE 3: (Contd.)

Plant Height (cm)

Sl. No.	Entry Name	Zone-I(NHZ)							Zone-II(NWPZ)				Zone-III(NEPZ)					
		Almora	Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	AH 9003	192.3	189.7	100.1	199.9	201.5	177.2	149.4	158.7	216.5	174.5	123.2	178.9	140.9	164.6	137.9	149.5	
2	AH-7080	230.4	217.9	109.0	206.3	217.4	195.6	197.8	224.9	237.4	221.2	182.4	182.6	176.9	179.8	184.5	180.4	
3	AH-7188	214.4	202.2	85.6	198.7	210.8	182.7	175.1	178.3	224.5	194.1	154.9	182.1	154.3	170.4	164.3	165.9	
4	Azad Kanti	246.4	225.7	115.0	215.4	221.8	204.0	209.3	193.3	229.1	212.2	172.3	180.5	177.6	142.2	184.3	171.2	
5	DH-311	229.3	222.1	101.6	205.4	217.3	194.3	171.2	191.0	221.3	193.9	179.4	180.1	168.2	163.3	169.9	172.2	
6	DH-312	199.7	214.3	94.7	207.2	215.6	185.8	166.6	180.8	188.4	178.5	138.7	174.1	151.9	148.5	135.8	150.1	
7	DH-313	223.7	201.5	109.6	211.4	210.5	191.1	181.8	190.7	230.4	200.4	146.1	170.6	157.5	187.8	146.7	161.4	
8	EH 2878	247.8	249.0	114.7	211.0	207.1	206.5	195.0	220.1	221.5	212.3	171.2	175.7	193.8	197.8	174.9	181.7	
9	EH 2891	237.4	240.2	122.1	221.6	217.8	208.2	201.8	226.7	239.3	221.5	156.8	180.5	171.5	168.3	185.9	173.1	
10	FH 3816	240.5	227.0	98.7	202.6	214.4	196.6	185.3	197.2	202.6	196.7	173.6	181.0	136.2	161.3	170.7	165.1	
11	FH 3823	198.5	198.7	93.6	199.8	186.7	176.2	168.9	179.3	218.6	189.2	142.9	184.2	145.4	146.7	159.8	155.8	
12	FH 3837	197.9	191.1	92.9	200.3	228.4	182.1	171.2	158.5	186.5	173.9	135.8	178.4	143.6	134.8	140.7	146.9	
13	Filler	226.0	220.0	88.5	206.8	213.3	190.1	172.8	183.1	219.0	194.0	131.7	182.6	165.1	159.2	166.1	161.9	
14	IH-0652	217.3	206.4	115.1	207.7	221.7	192.9	182.8	183.2	226.8	197.4	166.3	186.3	157.0	145.6	164.1	164.6	
15	IH-1002	235.9	262.6	126.3	211.2	215.2	211.0	185.5	229.2	215.9	210.2	181.2	176.8	189.7	156.1	186.8	178.2	
16	IH-1201	230.6	219.0	101.5	210.9	185.0	189.5	155.9	175.9	206.4	179.4	168.9	178.8	159.8	186.1	169.6	172.8	
17	IH-1404	231.4	209.5	109.2	214.4	209.8	194.6	181.4	202.5	232.9	204.2	176.8	178.1	162.3	175.6	198.7	178.4	
18	JH 31947	236.7	214.6	103.4	209.5	222.8	197.5	204.5	182.5	236.0	207.5	167.2	181.4	158.1	176.0	171.3	171.1	
19	JH 31968	235.4	232.0	101.9	202.0	211.7	197.4	189.1	177.6	210.9	191.1	140.9	179.1	156.1	160.4	159.9	158.6	
20	JH 31983	212.2	209.1	97.4	202.7	223.0	189.7	184.9	184.0	233.2	198.6	164.5	183.0	156.4	179.8	164.5	169.0	
21	JH 32010	253.0	230.3	125.7	212.1	205.4	205.8	199.2	226.9	243.5	222.6	188.9	186.8	170.6	178.0	181.2	181.6	
22	JH 32013	247.2	230.6	121.6	210.9	209.6	203.0	198.1	225.9	252.7	227.8	191.0	176.8	184.0	173.9	172.2	179.8	
23	KMH 16-19	221.5	211.3	119.5	208.5	221.3	195.4	172.0	177.4	222.9	192.0	152.6	179.3	171.3	149.5	169.9	164.8	
24	KMH 16-21	215.9	217.8	105.8	210.4	208.9	191.1	193.5	189.1	218.2	203.0	149.1	172.1	173.1	171.8	162.5	166.2	
25	KMH 16-23	225.4	221.5	97.4	202.7	218.1	193.6	174.1	165.4	220.3	186.5	154.8	183.3	164.3	147.9	162.2	161.8	
26	KMH 16-9	229.4	235.7	130.0	206.9	208.1	201.9	164.6	190.5	220.4	192.0	157.9	175.7	177.2	170.4	164.5	168.0	
27	LMH 1115	219.6	231.4	108.4	210.5	227.8	200.4	187.4	167.3	200.2	182.6	155.4	178.6	153.7	180.5	171.1	167.4	
28	LMH 717	195.4	193.4	91.4	197.9	201.2	176.4	160.2	148.5	185.2	164.9	115.0	177.1	146.8	166.4	130.7	146.0	
29	MEH 16-1	225.9	222.3	98.7	217.2	224.8	197.4	169.9	175.4	231.7	193.6	156.9	181.8	145.6	191.8	154.1	166.0	

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TABLE 3: (Contd.)

Plant Height (cm)

Sl. No.	Entry Name	Zone-I(NHZ)						Zone-II(NWPZ)				Zone-III(NEPZ)					
		Almora	Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	MEH 16-2	224.4	205.2	108.8	212.5	215.6	192.9	186.5	167.9	215.3	190.2	154.5	184.6	139.7	182.6	146.4	162.6
31	PMH5 (C)	216.7	206.0	105.6	208.8	214.0	190.0	162.3	183.4	224.0	191.4	154.2	184.5	156.2	173.2	170.8	167.5
32	REH 2013-17	253.0	232.9	121.5	210.3	202.0	204.8	198.2	204.6	250.0	216.0	188.1	184.6	184.6	173.3	204.8	186.8
33	REH 2013-19	246.5	216.5	104.5	213.2	216.6	198.8	177.4	190.6	238.5	201.3	170.0	182.0	168.2	165.4	176.5	172.8
34	Syngenta EXIM	228.6	218.7	82.9	200.5	213.3	189.0	205.9	201.0	202.8	200.7	143.0	181.2	161.4	175.1	165.3	165.4
35	VNR-32943	207.2	195.6	94.5	206.8	207.8	183.2	152.1	172.6	208.3	175.2	157.5	176.5	135.2	157.7	148.1	154.9
36	WH-2212	213.5	199.9	87.9	199.4	203.7	181.1	175.1	172.9	206.4	183.0	146.9	187.2	146.8	162.8	149.9	158.6
37	Vivek Hybrid 45 (C)	204.4	187.4	101.7	204.2	215.1	182.4	184.6	163.8	209.4	186.1	133.3	182.4	146.8	185.6	140.5	156.9
38	Vivek Hybrid 51 (C)	202.9	212.8	99.9	209.3	205.7	186.1	166.2	180.2	210.5	187.5	153.7	176.8	144.6	187.1	158.7	164.4
39	DKC 7074 (C)	218.0	209.5	95.8	207.1	219.2	189.6	183.2	175.8	230.6	195.2	143.1	179.7	152.7	167.7	157.3	160.2
40	BIO605 (C)	243.0	215.3	88.7	215.1	222.1	197.3	192.6	208.6	241.8	213.7	157.7	183.5	173.9	196.2	171.9	177.2
	Location Mean	224.4	216.2	104.3	207.7	212.8	193.1	180.8	187.6	220.8	196.4	157.3	180.2	160.5	169.0	164.9	166.4
	CV (%)	4.3	7.0	15.0	4.2	7.7	7.0	11.5	8.0	8.2	9.2	7.7	3.8	8.9	10.0	6.3	7.5
	F (Prob)	0.00	0.00	0.02	0.32	0.63	0.00	0.06	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00
	CD (5%)	15.6	24.6	25.5	14.2	26.7	10.2	33.8	24.4	29.5	17.4	19.7	11.1	23.2	27.6	16.8	9.4
	CD (1%)	20.7	32.6	33.8	18.9	35.4	13.4	44.9	32.4	39.2	23.0	26.2	14.7	30.8	36.6	22.3	12.3

TABLE 3: (Contd.)

Plant Height (cm)

Sl. No.	Entry Name	Zone-IV(PZ)										Zone-V(CWZ)					All India Mean
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		
1	AH 9003	139.9	191.8	143.5	141.0	161.8	194.2	230.3	164.1	170.2	255.4	168.9	106.9	126.5	133.2	170.4	168.1
2	AH-7080	158.9	230.8	177.1	161.1	190.8	243.4	273.4	195.2	204.1	251.8	165.4	183.2	138.2	168.8	182.7	196.2
3	AH-7188	142.4	217.4	165.9	150.8	190.1	214.6	256.3	177.0	188.9	235.2	157.8	135.7	136.7	153.6	171.6	180.8
4	Azad Kanti	166.4	221.5	186.8	163.4	195.0	245.0	253.5	205.7	204.5	244.6	158.5	155.1	163.6	156.8	181.3	194.8
5	DH-311	154.8	206.5	167.1	152.6	185.7	237.6	241.2	173.6	189.7	249.7	153.6	137.9	142.6	149.5	174.1	185.0
6	DH-312	132.6	185.4	149.1	149.0	175.0	208.3	226.1	159.5	173.1	247.6	160.1	116.4	126.3	118.6	163.3	170.1
7	DH-313	164.6	217.1	167.4	155.0	170.8	219.4	238.6	178.6	189.4	255.7	160.4	187.2	127.2	135.6	171.6	182.5
8	EH 2878	169.7	226.9	165.9	181.8	190.4	254.3	264.1	194.8	206.7	261.0	156.3	186.1	155.8	152.1	183.3	198.5
9	EH 2891	172.9	228.2	187.3	171.9	204.4	237.2	271.5	203.2	208.8	228.6	159.9	148.9	169.4	169.8	180.1	198.6
10	FH 3816	148.8	223.1	184.0	160.1	209.5	242.9	248.2	199.5	202.3	252.7	165.2	167.8	143.2	171.9	182.8	189.9
11	FH 3823	150.8	196.2	171.6	148.3	160.1	206.5	219.5	169.0	177.8	235.9	167.7	118.8	129.6	140.6	168.3	173.0
12	FH 3837	150.7	197.9	158.1	141.8	155.1	198.2	229.5	157.7	174.4	233.6	161.5	163.1	126.2	123.5	163.8	168.5
13	Filler	156.7	218.8	175.6	146.9	183.6	237.7	247.5	171.8	191.9	258.6	163.7	164.5	148.8	147.5	180.3	183.8
14	IH-0652	155.5	216.6	167.7	147.7	181.2	232.9	261.0	187.0	192.9	257.5	157.5	172.7	153.0	157.0	179.3	185.7
15	IH-1002	164.4	232.9	180.8	162.1	218.1	248.1	265.8	200.5	209.6	218.5	163.2	189.5	159.8	174.4	179.0	198.8
16	IH-1201	165.1	214.5	175.8	151.4	173.6	237.3	259.1	199.6	197.5	226.4	153.4	164.6	158.6	143.2	172.3	184.7
17	IH-1404	162.7	219.3	194.6	164.5	176.2	232.1	234.1	185.8	195.9	257.3	160.8	152.2	145.4	150.7	175.7	190.0
18	JH 31947	162.6	244.2	192.5	160.7	207.8	247.7	263.3	195.5	209.4	256.4	165.2	170.7	167.4	174.9	189.2	196.0
19	JH 31968	169.7	215.4	165.1	168.9	172.3	244.1	249.7	181.9	196.3	249.2	171.1	159.4	146.3	158.4	182.8	186.2
20	JH 31983	157.5	210.4	183.3	150.1	176.6	213.1	256.5	195.2	193.1	259.7	160.5	163.1	140.6	151.7	178.4	186.0
21	JH 32010	189.3	240.9	185.6	184.2	219.8	252.7	279.9	214.1	220.7	231.7	168.7	175.6	180.3	163.7	185.6	204.6
22	JH 32013	181.8	243.6	182.9	160.6	193.6	226.9	283.3	191.6	207.3	246.2	166.5	168.1	169.0	183.6	190.9	200.7
23	KMH 16-19	155.4	205.1	172.0	157.0	162.4	227.1	230.6	176.2	185.7	255.3	157.5	156.3	145.7	129.9	173.7	182.1
24	KMH 16-21	155.2	209.5	162.1	152.3	184.5	230.5	227.6	191.8	188.6	242.9	159.7	144.6	148.7	137.8	171.7	183.6
25	KMH 16-23	150.7	219.1	173.0	158.1	186.5	237.0	250.0	182.4	194.8	258.3	154.0	143.7	148.5	147.2	175.9	184.1
26	KMH 16-9	154.7	202.3	162.6	161.2	187.3	236.3	253.7	185.9	192.6	277.3	157.0	124.4	152.8	132.2	180.5	187.5
27	LMH 1115	161.6	224.1	171.9	165.3	198.0	241.7	257.8	195.1	202.6	245.9	154.0	189.4	141.3	135.5	169.6	187.5
28	LMH 717	134.4	169.8	141.3	140.6	152.3	202.4	218.9	162.6	165.5	261.1	162.8	789.4	118.1	125.0	168.5	164.2
29	MEH 16-1	160.9	208.3	167.3	149.4	205.8	227.5	242.4	174.0	192.5	234.9	159.3	177.6	152.7	149.3	176.8	185.6

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TABLE 3: (Contd.)

Plant Height (cm)

Sl. No.	Entry Name	Zone-IV(PZ)									Zone-V(CWZ)						All India Mean
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
30	MEH 16-2	153.8	208.8	160.9	152.7	185.5	221.2	236.4	191.3	188.3	237.1	160.7	138.6	136.3	117.8	161.0	180.0
31	PMH5 (C)	155.3	208.3	165.5	157.1	179.5	232.7	254.7	188.5	192.7	243.9	166.3	142.4	144.9	146.4	173.9	184.0
32	REH 2013-17	166.1	230.9	195.2	162.9	205.1	250.4	269.0	190.6	208.7	258.2	162.1	155.3	154.0	166.9	183.8	200.6
33	REH 2013-19	171.1	236.2	197.0	157.8	204.3	248.3	267.3	196.9	209.7	235.0	160.2	163.8	167.5	166.9	181.4	194.6
34	Syngenta EXIM	155.6	207.0	171.9	150.2	184.6	242.2	261.0	182.2	194.4	268.6	146.2	158.5	159.2	159.3	182.7	186.5
35	VNR-32943	145.1	191.4	173.5	147.9	154.1	222.3	222.1	166.1	178.0	267.3	110.0	126.4	130.0	137.3	158.6	171.2
36	WH-2212	144.8	205.9	146.1	142.3	178.6	220.8	225.8	164.7	178.9	252.8	159.5	133.8	140.6	121.1	169.0	174.2
37	Vivek Hybrid 45 (C)	147.5	173.3	146.2	136.5	159.0	201.6	222.6	166.4	168.7	236.6	161.0	99.4	140.4	118.8	164.9	170.5
38	Vivek Hybrid 51 (C)	160.2	204.5	175.5	157.1	185.1	217.5	235.6	179.6	190.2	243.6	164.2	182.1	137.4	140.1	174.0	181.1
39	DKC 7074 (C)	158.5	204.7	175.2	137.2	167.8	215.1	223.0	168.3	181.0	262.2	167.5	147.2	141.9	154.0	178.5	180.0
40	BIO605 (C)	170.1	233.9	186.3	164.2	186.5	235.4	266.6	187.1	203.6	257.6	159.1	153.9	164.0	170.4	187.3	195.7
	Location Mean	158.0	213.6	171.8	155.6	184.0	229.6	247.9	183.8	193.0	248.8	159.7	170.4	146.8	148.4	176.1	185.4
	CV (%)	6.1	5.2	7.2	6.5	9.9	4.3	6.0	5.1	6.4	9.1	9.1	53.4	6.3	10.5	9.3	7.6
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.37	0.00	0.00	0.00	0.00	0.00
	CD (5%)	15.6	18.0	20.1	16.5	29.6	16.0	24.2	15.2	7.2	37.0	23.8	148.3	15.1	25.3	13.4	4.7
	CD (1%)	20.7	23.9	26.6	21.9	39.3	21.2	32.1	20.2	9.5	49.1	31.5	196.9	20.0	33.6	17.6	6.2

TABLE 3: (Contd.)

Ear Height (cm)

Sl. No.	Entry Name	Zone-I(NHZ)						Zone-II(NWPZ)				Zone-III(NEPZ)					
		Almora	Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 9003	99.5	118.5	51.3	97.7	89.4	91.6	83.3	85.0	91.3	85.7	55.4	83.9	70.1	70.4	67.5	69.9
2	AH-7080	116.7	113.0	51.4	101.4	87.4	93.2	102.1	106.3	102.6	105.2	76.8	87.4	92.8	72.3	83.7	81.9
3	AH-7188	105.0	113.1	46.1	99.5	90.2	91.1	96.6	93.9	94.3	95.9	62.3	86.4	74.8	78.0	78.8	76.6
4	Azad Kanti	133.2	135.8	48.2	109.0	88.4	102.2	107.9	107.5	97.9	105.1	84.6	80.1	94.7	59.4	91.0	81.7
5	DH-311	118.7	132.8	52.5	101.0	94.0	99.5	101.6	101.2	99.8	100.0	63.4	83.1	84.1	57.3	78.8	73.8
6	DH-312	103.1	100.0	52.4	104.3	90.8	89.8	90.5	97.0	77.2	87.1	49.8	79.6	81.5	54.5	58.0	65.1
7	DH-313	111.6	102.2	49.7	109.0	87.5	91.5	103.1	102.5	93.0	99.2	59.9	81.8	77.0	59.0	61.7	67.9
8	EH 2878	126.6	133.2	55.3	106.9	92.1	102.8	109.7	120.0	92.5	107.8	63.0	80.1	101.6	75.6	88.8	80.7
9	EH 2891	119.2	128.3	50.9	113.0	87.2	100.0	102.8	121.7	106.1	109.3	69.9	83.8	78.7	74.2	90.7	79.9
10	FH 3816	123.8	110.7	50.2	100.5	94.4	95.9	97.6	83.8	74.8	86.9	73.0	84.6	73.6	66.8	69.7	73.8
11	FH 3823	95.8	108.2	42.9	98.3	91.0	87.8	78.7	76.0	84.5	80.6	60.4	85.2	63.2	56.2	66.8	66.2
12	FH 3837	104.8	115.7	48.7	98.5	92.9	91.5	90.3	85.5	79.7	86.4	62.0	83.5	74.4	47.1	67.6	67.0
13	Filler	100.3	113.5	50.0	102.6	85.8	90.2	81.5	65.9	79.6	77.5	43.0	91.3	81.2	60.4	70.3	70.1
14	IH-0652	122.8	122.0	47.5	105.1	86.4	96.6	102.7	90.4	98.1	97.0	74.9	85.4	75.4	57.8	77.1	74.9
15	IH-1002	124.3	148.8	56.7	103.9	89.9	105.6	99.6	108.3	93.4	101.0	79.4	81.3	109.0	77.0	91.0	87.4
16	IH-1201	117.5	106.1	50.7	106.3	86.9	94.0	82.6	57.1	85.4	74.7	74.2	85.8	81.7	76.5	81.9	80.2
17	IH-1404	125.2	122.0	56.6	107.0	92.5	100.8	84.8	120.8	102.0	102.4	80.5	78.6	79.1	70.5	101.8	82.2
18	JH 31947	131.6	119.4	53.7	106.7	90.5	100.4	104.2	94.9	101.2	99.8	75.3	86.0	84.6	78.3	84.7	81.9
19	JH 31968	131.3	136.8	49.7	97.9	94.6	102.1	95.4	93.8	93.4	93.1	47.3	85.9	81.2	67.8	77.3	71.5
20	JH 31983	102.7	110.0	40.6	100.9	90.1	88.8	91.0	100.5	100.2	96.0	70.8	83.5	80.8	66.6	76.5	75.3
21	JH 32010	131.4	132.4	53.2	110.0	92.6	104.6	115.8	120.7	106.8	113.3	74.6	89.9	95.0	81.6	80.5	84.7
22	JH 32013	124.9	121.3	52.9	101.8	88.5	97.4	102.3	119.2	105.9	110.9	72.6	82.7	81.7	72.7	79.6	77.9
23	KMH 16-19	112.5	110.8	53.0	105.1	90.9	94.2	83.3	85.0	92.5	87.8	67.1	85.0	88.2	60.5	77.2	76.1
24	KMH 16-21	105.9	120.1	51.7	104.2	90.3	93.8	104.5	93.3	91.3	97.9	58.7	77.4	89.7	57.9	73.0	71.5
25	KMH 16-23	108.9	123.2	49.6	101.1	85.3	94.2	85.3	70.0	96.4	84.4	72.4	83.6	75.8	65.6	79.6	74.4
26	KMH 16-9	110.2	129.9	59.6	103.9	87.0	98.0	82.4	93.0	92.2	89.2	67.5	82.1	84.6	71.2	84.1	77.0
27	LMH 1115	97.9	117.2	39.5	106.5	86.4	89.8	99.9	64.5	75.4	78.4	63.4	81.9	61.0	66.2	72.7	68.7
28	LMH 717	94.7	100.9	42.7	96.3	94.9	85.6	83.8	64.3	72.7	74.3	41.8	83.8	65.4	61.7	54.6	60.4
29	MEH 16-1	118.8	120.2	51.7	109.8	89.4	97.5	89.1	104.7	98.0	98.8	75.5	87.0	82.0	83.2	81.4	81.9

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TABLE 3: (Contd.)

Ear Height (cm)

Sl. No.	Entry Name	Zone-I(NHZ)						Zone-II(NWPZ)				Zone-III(NEPZ)					
		Almora	Bajaura	Gossaingaon	Kangra	Udhampur	Zone1	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	MEH 16-2	115.6	110.8	45.5	106.5	90.9	93.6	95.0	84.5	85.8	88.2	54.6	86.5	83.1	75.4	61.9	73.1
31	PMH5 (C)	101.7	115.1	53.1	104.7	87.0	92.0	93.3	88.8	94.5	93.6	62.6	81.9	77.1	67.1	82.0	73.6
32	REH 2013-17	137.0	133.5	58.4	108.5	85.1	105.1	115.3	120.4	107.5	113.5	86.9	87.4	101.1	70.4	92.5	87.4
33	REH 2013-19	137.8	129.8	49.9	107.3	89.3	102.4	95.1	100.4	109.7	100.5	85.8	77.9	98.8	63.0	97.2	85.0
34	Syngenta EXIM	106.7	107.9	48.8	99.1	89.9	91.0	103.8	79.9	85.9	87.7	54.8	84.2	68.2	62.9	72.4	68.8
35	VNR-32943	101.9	103.9	41.7	103.1	93.2	89.7	87.5	82.8	93.9	86.7	66.9	81.7	67.9	58.2	63.8	67.4
36	WH-2212	102.0	98.1	45.1	97.1	87.4	86.5	90.9	89.8	81.7	85.4	60.1	86.6	65.0	62.4	65.2	67.9
37	Vivek Hybrid 45 (C)	100.2	103.3	53.4	103.5	86.3	89.2	104.0	83.0	86.2	91.1	60.3	83.1	77.6	78.1	62.7	71.7
38	Vivek Hybrid 51 (C)	103.2	125.7	47.7	105.2	91.2	94.0	86.7	90.5	87.0	89.3	78.8	81.1	74.4	69.5	76.2	76.2
39	DKC 7074 (C)	111.9	115.4	45.0	103.0	87.5	92.6	96.5	95.8	99.0	96.9	65.2	80.2	66.7	68.1	76.4	71.4
40	BIO605 (C)	129.8	119.0	47.1	108.3	93.3	100.2	105.8	104.0	107.2	104.5	66.8	85.9	84.3	86.3	85.0	82.1
	Location Mean	114.2	118.2	49.9	103.9	89.7	95.2	95.7	93.7	92.9	94.1	66.4	83.7	80.7	67.7	77.0	75.1
	CV (%)	7.9	8.3	15.0	6.5	5.2	8.1	14.3	14.2	9.8	12.9	14.7	6.3	12.0	16.6	10.6	12.1
	F (Prob)	0.00	0.00	0.42	0.44	0.48	0.00	0.13	0.00	0.00	0.00	0.00	0.65	0.00	0.03	0.00	0.00
	CD (5%)	14.7	15.9	12.1	11.0	7.6	5.8	22.2	21.6	14.8	11.8	15.9	8.5	15.8	18.3	13.4	6.7
	CD (1%)	19.5	21.2	16.1	14.6	10.1	7.7	29.5	28.7	19.6	15.6	21.1	11.3	20.9	24.3	17.7	8.9

TABLE 3: (Contd.)

Ear Height (cm)

Sl. No.	Entry Name	Zone-IV(PZ)									Zone-V(CWZ)					All India Mean	
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur		Zone5
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		
1	AH 9003	68.0	95.0	48.2	59.3	88.7	94.7	129.0	69.0	74.4	90.4	69.8	51.6	13.0	43.9	54.2	74.2
2	AH-7080	81.1	95.4	51.0	69.5	85.1	118.0	127.0	96.7	85.4	90.2	63.5	65.4	13.9	61.0	60.1	83.5
3	AH-7188	76.7	109.6	54.6	64.3	88.2	106.1	137.2	77.4	81.9	96.6	60.1	69.1	14.3	63.2	60.6	80.1
4	Azad Kanti	94.7	109.3	67.7	70.3	94.6	124.7	133.4	105.4	95.7	100.6	63.8	76.4	13.9	73.7	65.8	89.4
5	DH-311	83.5	111.5	57.7	65.8	98.9	121.1	140.4	77.3	87.9	85.5	59.6	56.9	14.8	63.8	56.2	82.5
6	DH-312	69.8	90.3	53.2	65.0	77.7	102.2	119.8	63.3	74.9	88.4	61.9	51.8	13.6	45.5	51.5	72.8
7	DH-313	85.4	112.5	55.5	68.5	70.0	107.3	127.2	92.0	84.4	94.0	73.2	65.4	11.8	54.5	60.3	79.4
8	EH 2878	91.5	128.4	58.0	88.1	103.8	132.5	131.2	89.3	99.2	108.5	68.3	77.1	14.1	68.8	68.5	91.1
9	EH 2891	100.1	123.2	73.7	75.3	105.4	116.5	145.7	95.2	98.0	101.6	66.4	79.6	15.1	64.0	65.6	89.6
10	FH 3816	72.0	105.9	61.0	67.4	93.6	117.7	115.5	83.1	86.0	97.3	72.4	64.4	12.6	68.4	61.6	80.9
11	FH 3823	76.7	88.1	50.2	63.5	71.8	99.0	106.5	69.0	73.6	76.9	71.5	57.9	14.8	51.0	53.9	71.9
12	FH 3837	66.1	101.5	52.5	66.4	85.0	98.9	116.5	70.6	77.6	84.2	60.9	63.7	14.0	75.5	58.9	75.7
13	Filler	72.4	96.6	55.8	59.7	66.2	110.3	115.8	73.1	75.9	81.7	63.1	56.7	14.0	55.6	54.0	73.4
14	IH-0652	85.7	103.9	60.6	62.0	81.7	113.6	144.9	93.4	85.5	86.7	63.3	77.9	13.9	58.1	60.1	81.8
15	IH-1002	83.9	125.7	72.5	70.9	120.1	126.0	134.8	93.1	98.9	95.7	61.6	87.6	12.4	94.5	69.5	92.4
16	IH-1201	88.5	113.6	65.4	60.8	113.8	120.3	144.0	98.2	94.5	85.8	64.1	71.1	14.9	57.6	58.0	82.0
17	IH-1404	95.6	116.1	79.2	75.6	98.6	113.5	129.1	91.3	95.3	110.1	65.3	64.4	13.6	64.2	63.3	88.2
18	JH 31947	88.2	141.4	73.4	68.8	110.7	129.6	144.5	100.0	102.0	120.6	67.7	79.6	15.6	85.7	73.0	91.7
19	JH 31968	97.9	120.8	59.6	77.5	90.3	126.1	243.1	96.8	95.5	110.1	67.9	66.1	15.3	62.1	64.9	85.6
20	JH 31983	73.2	100.1	63.0	64.8	95.4	106.6	129.9	90.1	84.5	88.9	67.9	64.4	14.5	53.9	58.4	79.6
21	JH 32010	108.0	137.7	73.9	92.6	117.0	131.6	159.5	102.1	109.1	101.9	78.2	82.3	14.3	74.1	70.2	96.1
22	JH 32013	95.7	114.0	61.9	71.3	85.2	115.6	158.3	103.0	92.3	99.4	65.3	71.6	15.7	77.8	67.0	87.5
23	KMH 16-19	86.9	106.0	64.9	65.5	80.1	115.2	122.5	80.9	85.4	87.9	61.0	58.7	11.5	69.8	57.3	80.0
24	KMH 16-21	76.6	106.5	53.5	67.2	82.3	109.7	125.5	87.8	83.7	91.9	64.3	59.2	12.4	62.8	58.4	79.9
25	KMH 16-23	79.0	108.1	63.3	64.5	92.4	118.2	134.1	80.5	86.8	87.0	62.2	63.2	14.7	58.4	57.5	79.7
26	KMH 16-9	75.4	104.8	60.8	67.4	89.5	117.3	142.1	86.7	85.9	84.4	64.6	51.9	13.4	46.3	53.1	80.3
27	LMH 1115	71.7	110.3	51.2	69.2	103.7	116.5	114.9	80.1	86.3	92.6	63.0	51.4	13.2	54.1	55.0	76.3
28	LMH 717	63.1	80.1	40.8	57.1	75.5	99.9	94.6	69.3	69.4	79.8	61.5	46.4	10.1	50.3	51.1	67.7
29	MEH 16-1	84.2	114.7	62.4	63.2	111.2	111.4	128.8	86.0	90.3	95.9	57.9	71.9	13.4	60.4	59.9	85.0

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TABLE 3: (Contd.)

Ear Height (cm)

Sl. No.	Entry Name	Zone-IV(PZ)									Zone-V(CWZ)						All India Mean
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Vagarai	Zone4	Ambikapur	Banswara	Chindwara	Jhabua	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
30	MEH 16-2	79.2	103.1	53.9	62.9	88.8	116.1	129.2	86.7	84.5	80.4	65.6	62.4	14.0	54.7	54.8	78.5
31	PMH5 (C)	76.5	110.3	54.2	69.1	82.5	115.0	126.4	82.9	84.7	88.5	71.3	71.0	11.4	60.6	60.5	80.2
32	REH 2013-17	87.0	126.9	75.1	70.2	113.9	128.9	149.9	104.8	100.6	119.0	68.4	79.8	12.7	86.7	73.3	95.0
33	REH 2013-19	93.4	126.8	76.0	71.7	99.4	137.4	142.0	101.5	101.1	100.6	68.5	77.0	13.2	69.0	64.8	90.9
34	Syngenta EXIM	69.2	92.0	54.2	61.8	82.6	117.0	116.4	83.2	80.1	85.7	59.4	49.2	14.8	68.4	55.2	76.0
35	VNR-32943	68.9	89.7	60.0	66.9	80.6	109.6	116.7	70.4	78.0	86.1	63.5	49.8	14.2	58.7	54.0	74.5
36	WH-2212	67.6	106.8	45.7	55.4	94.2	111.2	121.3	72.5	79.3	87.8	69.4	52.6	12.9	45.0	53.4	74.1
37	Vivek Hybrid 45 (C)	84.9	92.1	49.1	55.4	79.5	99.3	118.8	77.8	76.8	75.2	71.2	54.9	14.3	49.6	54.1	75.4
38	Vivek Hybrid 51 (C)	90.2	110.5	68.8	67.4	91.7	110.6	119.9	83.2	89.3	98.8	68.6	70.7	12.9	72.1	63.8	82.6
39	DKC 7074 (C)	87.3	109.1	73.8	63.3	90.3	106.9	113.0	82.5	87.2	98.3	68.7	64.4	14.7	62.5	61.4	81.1
40	BIO605 (C)	87.0	127.7	73.1	77.6	93.6	118.9	144.6	97.7	96.6	111.2	66.6	72.7	14.8	77.4	68.6	89.8
	Location Mean	82.1	109.1	60.7	67.6	91.8	114.8	132.3	86.1	87.5	93.7	65.8	65.2	13.7	63.1	60.5	82.0
	CV (%)	8.4	8.1	13.8	10.8	13.5	5.8	22.9	8.4	9.7	7.1	7.9	13.5	10.1	17.9	12.4	10.7
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
	CD (5%)	11.3	14.4	13.7	11.9	20.3	10.8	49.4	11.8	5.4	10.9	8.5	14.3	2.3	18.4	5.5	2.9
	CD (1%)	15.0	19.1	18.1	15.8	26.9	14.3	65.6	15.6	7.1	14.5	11.3	19.0	3.0	24.5	7.2	3.9

TABLE No. 4: Trial No. 66 (Medium Maturity) AVT1

Yield(kg/ha)

Sl. No.	Entry Name	Bajaura		Barapani		Dhaulakuan		Gossaigaon		Imphal		Kangra		Poonch		Rajouri		Udhampur		Zone-I	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	DKC 8174 (IQ8319)	11911	4	1711	3	4039	4	4793	4	11156	3	7473	3	5820	8	8898	3	7045	10	8049	3
2	DKC(7173)IQ 7802	13230	1	932	6	4367	1	4583	6	11572	2	8113	1	6423	4	6970	9	7666	2	8335	1
3	DMRH1410	11065	7	863	7	3789	7	4233	9	10182	7	4231	10	5312	10	7585	7	7266	9	7062	9
4	IMH 1603	11842	5	1503	5	4361	2	4997	2	10473	6	6801	6	7143	1	8035	6	7506	4	8023	4
5	KH-2001 GOLD	10143	9	197	10	2323	10	4138	10	7138	10	5317	9	6147	5	8906	2	7501	5	6782	10
6	LMH 1216	12471	3	2232	2	4340	3	4753	5	8300	8	7200	5	6058	6	9649	1	7560	3	7940	5
7	OMH 14-18(CAH 151)	11096	6	1652	4	3653	8	4961	3	11769	1	7397	4	6010	7	7538	8	7951	1	7916	6
8	BIO 9544 (C)	13092	2	756	8	3869	6	4371	8	10681	4	7936	2	6692	3	6802	10	7359	8	8061	2
9	CMH 08-292 (C)	10227	8	2315	1	3228	9	17240	1	10613	5	6512	7	5453	9	8125	5	7491	6	7379	7
10	DHM 121 (C)	9948	10	695	9	3972	5	4555	7	8249	9	6127	8	6701	2	8704	4	7478	7	7311	8
	Location Mean	11503	.	1285	.	3794	.	5862	.	10013	.	6711	.	6176	.	8121	.	7482	.	7686	.
	CV (%)	9.0	.	40.5	.	18.8	.	117.1	.	19.2	.	15.8	.	15.9	.	16.4	.	5.4	.	15.0	.
	F (Prob)	0.01	.	0.00	.	0.06	.	0.46	.	0.10	.	0.01	.	0.45	.	0.25	.	0.44	.	0.00	.
	CD (5%)	1771	.	892	.	1225	.	11780	.	3298	.	1819	.	1681	.	2279	.	694	.	703	.
	CD (1%)	2426	.	1223	.	1678	.	16139	.	4518	.	2492	.	2303	.	3123	.	950	.	930	.

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TABLE No. 4:(Contd.)		Plant Stand('000/ha)									
Sl. No.	Entry Name	Bajaura	Barapani	Dhaulakuan	Gossaigaon	Imphal	Kangra	Poonch	Rajouri	Udhampur	Zone-I
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 8174 (IQ8319)	80.0	53.1	62.9	76.0	135.8	78.1	57.6	59.0	69.4	74.7
2	DKC(7173)IQ 7802	77.2	53.5	65.3	71.9	117.9	78.5	61.8	58.3	69.1	72.6
3	DMRH1410	75.6	39.6	60.8	72.6	143.3	73.6	52.4	58.7	69.1	71.7
4	IMH 1603	76.1	50.0	63.9	73.6	133.3	75.0	58.7	58.0	69.4	73.1
5	KH-2001 GOLD	69.4	30.9	49.3	69.4	137.5	72.9	56.3	60.8	69.1	68.4
6	LMH 1216	77.8	56.3	63.2	67.0	130.4	77.1	57.3	59.0	70.1	73.1
7	OMH 14-18(CAH 151)	71.7	50.0	60.8	66.3	143.8	80.6	55.6	58.3	69.8	73.0
8	BIO 9544 (C)	78.3	44.1	62.9	73.6	142.5	77.8	55.6	57.6	69.1	73.5
9	CMH 08-292 (C)	68.3	60.1	56.9	65.3	145.0	78.1	54.5	56.6	68.4	72.6
10	DHM 121 (C)	65.0	43.4	54.9	72.6	109.6	74.3	57.3	56.6	69.8	67.0
	Location Mean	73.9	48.1	60.1	70.8	133.9	76.6	56.7	58.3	69.3	72.0
	CV (%)	7.0	18.4	9.2	8.3	10.4	3.5	6.4	2.8	1.6	9.1
	F (Prob)	0.03	0.03	0.06	0.39	0.08	0.04	0.23	0.17	0.76	0.00
	CD (5%)	8.9	15.2	9.5	10.1	23.8	4.6	6.2	2.8	1.9	3.5
	CD (1%)	12.2	20.8	13.0	13.9	32.7	6.3	8.5	3.9	2.5	4.7
Shelling(%)											
Sl. No.	Entry Name	Bajaura	Barapani	Dhaulakuan	Gossaigaon	Imphal	Kangra	Poonch	Rajouri	Udhampur	Zone-I
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 8174 (IQ8319)	83.2	51.5	75.7	73.7	79.3	76.8	81.5	73.8	82.9	75.4
2	DKC(7173)IQ 7802	84.0	59.3	76.9	75.1	88.5	78.1	79.0	73.1	82.1	77.3
3	DMRH1410	82.8	50.2	76.1	74.1	84.1	74.5	81.0	74.0	81.5	75.4
4	IMH 1603	83.4	53.9	76.5	77.7	81.4	77.8	83.5	73.1	82.1	76.6
5	KH-2001 GOLD	84.3	62.6	76.3	75.2	73.0	76.4	80.0	78.4	83.0	76.6
6	LMH 1216	86.9	52.9	77.2	74.4	75.2	78.5	81.3	77.8	83.1	76.4
7	OMH 14-18(CAH 151)	86.8	59.8	77.6	77.9	86.1	78.7	81.5	76.1	82.9	78.6
8	BIO 9544 (C)	86.4	46.3	76.5	76.8	88.4	77.7	81.5	73.7	81.5	76.5
9	CMH 08-292 (C)	87.6	56.5	77.7	77.7	86.9	77.2	81.5	78.5	82.9	78.5
10	DHM 121 (C)	83.7	55.4	75.2	79.7	82.1	75.5	81.5	77.0	82.4	77.0
	Location Mean	84.9	54.8	76.6	76.2	82.5	77.1	81.2	75.5	82.4	76.8
	CV (%)	0.0	11.8	1.2	3.5	10.8	1.0	1.8	3.4	1.1	5.1
	F (Prob)	0.00	0.15	0.05	0.17	0.40	0.00	0.12	0.07	0.21	0.03
	CD (5%)	0.0	11.1	1.5	4.6	15.2	1.3	2.5	4.4	1.5	2.1
	CD (1%)	0.0	15.2	2.1	6.3	20.8	1.8	3.4	6.1	2.1	2.8

TABLE No. 4:(Contd.)		Moisture(%)									
Sl. No.	Entry Name	Bajaura	Barapani	Dhaulakuan	Gossaigaon	Imphal	Kangra	Poonch	Rajouri	Udhampur	Zone-I
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 8174 (IQ8319)	22.7	20.0	32.0	24.3	24.0	36.1	19.6	18.7	24.6	24.7
2	DKC(7173)IQ 7802	21.8	20.0	30.0	25.0	20.2	33.2	20.6	19.9	25.0	24.0
3	DMRH1410	21.7	20.0	30.3	24.8	19.4	34.1	19.7	21.0	24.7	23.9
4	IMH 1603	22.3	20.0	30.5	24.8	21.6	34.3	21.2	22.6	24.1	24.6
5	KH-2001 GOLD	22.1	20.0	31.6	25.1	23.5	33.0	19.6	20.9	24.5	24.5
6	LMH 1216	21.9	20.0	29.0	23.4	20.0	33.5	21.1	22.0	24.7	23.9
7	OMH 14-18(CAH 151)	21.9	20.0	36.1	24.0	20.0	35.6	20.4	22.0	24.8	25.0
8	BIO 9544 (C)	22.2	20.0	32.5	25.1	22.4	35.7	19.4	21.0	25.1	24.8
9	CMH 08-292 (C)	21.9	20.0	33.1	24.1	19.5	35.2	19.4	22.0	25.0	24.5
10	DHM 121 (C)	22.4	20.0	31.2	24.8	24.0	35.7	19.8	21.4	24.7	24.9
	Location Mean	22.1	20.0	31.6	24.5	21.5	34.6	20.1	21.1	24.7	24.5
	CV (%)	1.6	0.0	4.7	4.5	5.4	2.7	4.2	8.7	2.2	4.2
	F (Prob)	0.06	.	0.00	0.65	0.00	0.00	0.11	0.37	0.57	0.00
	CD (5%)	0.6	0.0	2.6	1.9	2.0	1.6	1.5	3.1	0.9	0.6
	CD (1%)	0.8	0.0	3.5	2.6	2.7	2.2	2.0	4.3	1.3	0.7
Days to 50% Pollen Shed											
Sl. No.	Entry Name	Bajaura	Barapani	Dhaulakuan	Gossaigaon	Imphal	Kangra	Poonch	Rajouri	Udhampur	Zone-I
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 8174 (IQ8319)	60.3	61.3	63.0	50.7	61.3	49.3	61.0	49.0	53.7	56.6
2	DKC(7173)IQ 7802	59.0	61.7	62.0	49.7	57.3	49.3	62.0	51.3	54.0	56.3
3	DMRH1410	62.0	61.7	64.0	49.0	59.7	50.0	61.7	49.0	53.7	56.7
4	IMH 1603	59.3	61.0	63.0	50.3	59.3	50.7	61.3	50.7	52.7	56.5
5	KH-2001 GOLD	55.7	62.7	61.7	49.7	58.7	48.3	60.3	48.7	53.7	55.5
6	LMH 1216	58.0	63.0	62.3	50.0	58.3	50.0	60.3	50.0	52.3	56.0
7	OMH 14-18(CAH 151)	60.0	62.3	62.0	50.0	56.3	53.0	62.3	49.3	54.3	56.6
8	BIO 9544 (C)	61.0	62.3	63.7	48.7	59.3	52.7	63.7	50.3	53.7	57.3
9	CMH 08-292 (C)	58.0	59.7	63.0	50.0	56.7	50.0	61.0	48.7	53.3	55.6
10	DHM 121 (C)	59.7	63.3	61.0	49.0	61.3	49.3	61.3	49.0	54.7	56.5
	Location Mean	59.3	61.9	62.6	49.7	58.8	50.3	61.5	49.6	53.6	56.4
	CV (%)	1.5	2.7	3.0	1.9	3.9	2.2	2.0	3.2	1.5	2.6
	F (Prob)	0.00	0.33	0.68	0.30	0.16	0.00	0.12	0.47	0.06	0.00
	CD (5%)	1.5	2.9	3.3	1.7	4.0	1.9	2.2	2.7	1.4	0.8
	CD (1%)	2.1	4.0	4.5	2.3	5.4	2.6	3.0	3.8	1.9	1.0

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TABLE No. 4:(Contd.)		Days to 50% Silking									
Sl. No.	Entry Name	Bajaura	Barapani	Dhaulakuan	Gossaigaon	Imphal	Kangra	Poonch	Rajouri	Udhampur	Zone-I
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 8174 (IQ8319)	63.0	64.7	66.7	55.0	62.7	53.0	63.3	51.3	57.7	59.7
2	DKC(7173)IQ 7802	61.0	64.7	65.3	54.0	59.0	52.3	64.3	50.0	57.7	58.7
3	DMRH1410	64.7	64.7	67.3	53.0	63.3	53.7	64.0	51.7	57.3	60.0
4	IMH 1603	61.7	63.7	66.3	54.3	61.0	54.0	63.7	53.0	56.7	59.4
5	KH-2001 GOLD	58.3	65.3	65.0	54.3	60.3	51.7	62.7	50.7	57.7	58.4
6	LMH 1216	60.7	66.3	66.0	53.3	60.7	53.7	62.7	52.3	55.7	59.0
7	OMH 14-18(CAH 151)	62.0	65.3	65.3	54.3	57.7	56.7	64.3	51.7	58.0	59.5
8	BIO 9544 (C)	63.3	65.3	67.0	53.3	61.0	56.7	66.3	52.3	57.7	60.3
9	CMH 08-292 (C)	60.7	62.3	66.3	54.3	60.0	53.3	63.3	51.0	57.3	58.7
10	DHM 121 (C)	62.7	66.3	64.7	54.0	63.0	52.7	64.0	51.3	58.7	59.7
	Location Mean	61.8	64.9	66.0	54.0	60.9	53.8	63.9	51.5	57.4	59.4
	CV (%)	1.2	3.3	2.7	1.9	4.3	2.2	2.4	4.6	1.5	2.9
	F (Prob)	0.00	0.51	0.65	0.46	0.25	0.00	0.23	0.91	0.05	0.00
	CD (5%)	1.3	3.7	3.0	1.8	4.4	2.0	2.6	4.0	1.5	0.9
	CD (1%)	1.8	5.0	4.1	2.5	6.1	2.7	3.5	5.5	2.1	1.2
		Days to 75% Dry Husk									
Sl. No.	Entry Name	Bajaura	Barapani	Dhaulakuan	Gossaigaon	Imphal	Kangra	Poonch	Rajouri	Udhampur	Zone-I
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 8174 (IQ8319)	105.7	140.3	101.7	95.0	102.3	94.3	115.0	92.7	95.7	104.7
2	DKC(7173)IQ 7802	98.0	140.7	100.0	94.0	94.3	93.0	113.7	95.7	95.0	102.7
3	DMRH1410	101.3	141.7	100.3	93.0	92.0	94.7	116.7	93.0	95.7	103.2
4	IMH 1603	98.7	141.7	99.0	93.7	99.3	94.0	112.7	95.3	96.0	103.4
5	KH-2001 GOLD	103.7	141.7	99.7	96.0	102.0	92.3	115.0	94.0	95.7	104.4
6	LMH 1216	98.7	143.0	97.7	93.0	94.0	94.3	113.0	97.3	95.0	102.9
7	OMH 14-18(CAH 151)	102.3	141.7	99.0	92.7	94.7	96.7	115.3	94.0	96.0	103.6
8	BIO 9544 (C)	108.0	141.7	99.0	94.0	101.3	97.3	115.3	95.3	95.7	105.3
9	CMH 08-292 (C)	99.3	140.7	99.0	93.7	90.3	94.0	113.0	97.0	95.0	102.4
10	DHM 121 (C)	104.3	143.0	98.7	94.7	104.0	93.0	116.3	94.7	95.7	104.9
	Location Mean	102.0	141.6	99.4	94.0	97.4	94.4	114.6	94.9	95.5	103.8
	CV (%)	1.6	1.4	1.3	2.1	3.4	1.4	1.1	1.9	0.4	1.7
	F (Prob)	0.00	0.76	0.07	0.62	0.00	0.00	0.01	0.07	0.04	0.00
	CD (5%)	2.8	3.4	2.2	3.4	5.6	2.2	2.2	3.1	0.7	1.0
	CD (1%)	3.8	4.6	3.0	4.7	7.7	3.0	3.0	4.2	1.0	1.3

TABLE No. 4:(Contd.)											
Plant Height(cm)											
Sl. No.	Entry Name	Bajaura Mean	Barapani Mean	Dhaulakuan Mean	Gossaigaon Mean	Imphal Mean	Kangra Mean	Poonch Mean	Rajouri Mean	Udhampur Mean	Zone-I Mean
1	DKC 8174 (IQ8319)	241.2	128.1	228.7	164.3	231.4	256.5	265.0	191.4	259.3	218.4
2	DKC(7173)IQ 7802	254.0	134.7	214.3	160.1	233.1	258.8	269.7	204.7	241.3	219.0
3	DMRH1410	235.5	152.3	238.7	150.3	239.9	258.5	271.3	200.7	231.7	219.9
4	IMH 1603	243.8	139.0	239.0	155.5	258.5	255.3	271.0	202.5	245.3	223.3
5	KH-2001 GOLD	221.8	119.6	211.3	135.7	224.5	220.8	233.3	191.9	241.3	200.1
6	LMH 1216	249.5	150.3	231.3	162.1	239.3	254.5	277.3	191.3	241.7	221.9
7	OMH 14-18(CAH 151)	246.8	125.0	222.0	161.3	246.7	259.2	265.7	199.0	238.0	218.2
8	BIO 9544 (C)	223.3	103.2	207.3	132.7	223.3	236.0	248.7	193.6	245.0	201.5
9	CMH 08-292 (C)	250.8	168.3	243.3	168.2	270.8	262.0	275.7	201.1	259.7	233.3
10	DHM 121 (C)	228.0	119.7	219.3	157.5	236.4	224.2	250.0	206.6	238.0	208.9
	Location Mean	239.5	134.0	225.5	154.8	240.4	248.6	262.8	198.3	244.1	216.4
	CV (%)	3.1	9.2	2.2	6.3	10.1	2.8	4.1	4.4	6.0	5.7
	F (Prob)	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.28	0.38	0.00
	CD (5%)	12.8	21.3	8.5	16.6	41.7	12.1	18.4	14.9	25.0	6.6
	CD (1%)	17.5	29.1	11.6	22.8	57.1	16.6	25.1	20.4	34.2	8.8
Ear Height(cm)											
Sl. No.	Entry Name	Bajaura Mean	Barapani Mean	Dhaulakuan Mean	Gossaigaon Mean	Imphal Mean	Kangra Mean	Poonch Mean	Rajouri Mean	Udhampur Mean	Zone-I Mean
1	DKC 8174 (IQ8319)	136.7	69.3	102.7	81.2	90.6	129.3	120.0	98.0	96.7	102.7
2	DKC(7173)IQ 7802	131.3	69.3	94.7	60.8	88.5	131.7	116.0	100.7	88.7	98.0
3	DMRH1410	141.3	79.5	128.3	83.7	106.1	130.7	124.3	99.4	93.3	109.6
4	IMH 1603	146.7	76.2	124.7	82.7	112.7	129.0	130.7	102.4	87.7	110.3
5	KH-2001 GOLD	114.8	65.6	89.0	55.1	78.3	110.7	84.7	100.2	93.0	87.9
6	LMH 1216	150.5	84.5	118.7	81.8	100.3	128.0	129.0	100.7	95.0	109.8
7	OMH 14-18(CAH 151)	132.7	65.2	105.3	67.6	103.6	131.0	110.0	100.7	84.3	100.0
8	BIO 9544 (C)	134.5	59.7	93.0	60.2	95.4	118.7	107.3	102.6	91.7	95.9
9	CMH 08-292 (C)	149.3	88.9	125.7	89.1	122.3	133.0	135.7	101.1	102.7	116.4
10	DHM 121 (C)	125.7	63.5	92.7	72.1	90.3	113.3	100.0	103.7	91.7	94.8
	Location Mean	136.4	72.2	107.5	73.4	98.8	125.5	115.8	101.0	92.5	102.6
	CV (%)	5.3	9.4	7.6	7.9	16.2	3.1	6.6	2.8	7.6	7.9
	F (Prob)	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.48	0.20	0.00
	CD (5%)	12.4	11.6	14.0	9.9	27.4	6.6	13.2	4.9	12.1	4.3
	CD (1%)	16.9	15.9	19.2	13.6	37.6	9.1	18.1	6.7	16.6	5.7

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TABLE No. 5: Trial No. 71 (Early Maturity) AVT2																Yield(kg/ha)	
Sl. No.	Entry Name	Almora		Bajaura		Gossaigaon		Imphal		Kangra		Poonch		Rajouri		Zone-I	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	DMRH 1305	6728	5	9423	3	3716	1	6961	4	6497	3	5497	4	6327	7	6450	4
2	FH 3754	7649	1	10170	2	3183	6	8988	1	2524	7	5268	5	6459	6	6320	5
3	Bio9544(Filler)	7516	2	8859	5	3714	2	7233	3	7596	1	6621	2	7812	1	7050	1
4	CMH 08-282(Filler)	6853	4	8915	4	3137	7	6017	6	6357	4	6741	1	7421	3	6492	3
5	CMH 08-292(Filler)	7447	3	10478	1	3248	5	7280	2	6150	5	6341	3	7512	2	6922	2
6	PMH-5(C)	5532	6	8302	7	3548	3	6370	5	7384	2	4867	7	7030	4	6148	6
7	Prakash(C)	5520	7	8372	6	3329	4	4267	7	4250	6	5234	6	6658	5	5376	7
	Location Mean	6749	.	9217	.	3411	.	6731	.	5823	.	5796	.	7031	.	6394	.
	CV (%)	13.6	.	13.5	.	6.1	.	21.5	.	17.0	.	12.0	.	13.1	.	15.4	.
	F (Prob)	0.05	.	0.3	.	0.02	.	0.05	.	0	.	0.03	.	0.39	.	0	.
	CD (5%)	1633	.	2220	.	369	.	2569	.	1757	.	1232	.	1633	.	606	.
	CD (1%)	2289	.	3112	.	517	.	3602	.	2463	.	1727	.	2289	.	803	.

TABLE No. 5: (Contd.) Plant Stand('000/ha)									
Sl. No.	Entry Name	Almora Mean	Bajaura Mean	Gossaigaon Mean	Imphal Mean	Kangra Mean	Poonch Mean	Rajouri Mean	Zone-I Mean
1	DMRH 1305	61.8	49.6	75.7	62.8	76.2	54.4	51.6	61.7
2	FH 3754	62.0	68.9	79.6	71.9	75.9	52.3	51.9	66.1
3	Bio9544(Filler)	61.8	60.0	77.3	61.7	77.8	55.8	50.5	63.5
4	CMH 08-282(Filler)	46.8	56.3	75.2	56.1	76.9	57.4	53.5	60.3
5	CMH 08-292(Filler)	63.0	69.3	79.2	67.2	76.9	54.9	50.2	65.8
6	PMH-5(C)	63.4	70.0	80.1	68.3	77.1	53.5	50.7	66.2
7	Prakash(C)	59.5	63.7	78.7	60.6	76.6	54.2	53.7	63.9
	Location Mean	59.8	62.5	78.0	64.1	76.8	54.6	51.7	63.9
	CV (%)	6.7	19.2	4.1	13.1	3.4	5.9	4.4	9.3
	F (Prob)	0	0.35	0.41	0.35	0.98	0.61	0.38	0.01
	CD (5%)	7.2	21.3	5.6	14.9	4.7	5.8	4.0	3.7
	CD (1%)	10.0	29.9	7.9	20.9	6.6	8.1	5.6	4.9
Shelling(%)									
Sl. No.	Entry Name	Almora Mean	Bajaura Mean	Gossaigaon Mean	Imphal Mean	Kangra Mean	Poonch Mean	Rajouri Mean	Zone-I Mean
1	DMRH 1305	83.7	83.3	78.9	86.5	78.2	82.5	70.1	80.5
2	FH 3754	85.5	85.2	76.0	85.5	77.0	83.0	73.1	80.8
3	Bio9544(Filler)	85.0	76.4	77.1	90.8	75.4	81.0	73.9	79.9
4	CMH 08-282(Filler)	84.1	82.9	75.8	85.9	77.0	81.0	72.5	79.9
5	CMH 08-292(Filler)	85.5	84.3	74.7	92.8	77.7	85.0	72.1	81.7
6	PMH-5(C)	86.1	84.4	76.4	85.2	76.4	82.5	69.5	80.1
7	Prakash(C)	86.8	86.8	79.4	86.7	79.4	83.5	68.8	81.6
	Location Mean	85.3	83.3	76.9	87.6	77.3	82.6	71.4	80.6
	CV (%)	0.8	0.0	4.2	3.8	0.2	2.3	2.8	2.6
	F (Prob)	0	0	0.56	0.1	0	0.21	0.06	0.01
	CD (5%)	1.3	0.0	5.7	6.0	0.3	3.4	3.6	1.3
	CD (1%)	1.8	0.0	8.0	8.4	0.4	4.7	5.0	1.7

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TABLE No. 5: (Contd.)		Moisture(%)							
Sl. No.	Entry Name	Almora Mean	Bajaura Mean	Gossaigaon Mean	Imphal Mean	Kangra Mean	Poonch Mean	Rajouri Mean	Zone-I Mean
1	DMRH 1305	21.8	22.9	22.8	15.7	25.1	19.7	18.2	20.9
2	FH 3754	19.8	22.3	25.3	17.9	27.3	21.7	19.0	21.9
3	Bio9544(Filler)	21.4	22.6	24.6	23.1	30.4	19.9	19.2	23.0
4	CMH 08-282(Filler)	24.1	22.5	23.7	20.9	31.3	20.4	19.8	23.2
5	CMH 08-292(Filler)	25.3	22.8	25.0	21.1	25.8	20.0	20.1	22.9
6	PMH-5(C)	20.7	22.2	25.6	16.7	26.5	21.6	18.4	21.7
7	Prakash(C)	20.8	21.5	23.6	20.6	27.6	20.9	18.9	22.0
	Location Mean	22.0	22.4	24.4	19.4	27.7	20.6	19.1	22.2
	CV (%)	15.1	1.1	5.4	10.6	6.7	2.5	4.8	7.8
	F (Prob)	0.43	0	0.17	0.01	0.01	0	0.21	0
	CD (5%)	5.9	0.4	2.3	3.7	3.3	0.9	1.6	1.1
	CD (1%)	8.3	0.6	3.3	5.2	4.6	1.3	2.3	1.4
Days to 50% Pollen Shed									
Sl. No.	Entry Name	Almora Mean	Bajaura Mean	Gossaigaon Mean	Imphal Mean	Kangra Mean	Poonch Mean	Rajouri Mean	Zone-I Mean
1	DMRH 1305	53.3	52.7	45.7	53.0	46.0	54.0	58.5	51.9
2	FH 3754	51.7	51.0	44.0	51.0	45.7	55.3	60.9	51.4
3	Bio9544(Filler)	60.0	60.3	52.3	60.0	52.0	58.0	59.0	57.4
4	CMH 08-282(Filler)	57.7	54.3	52.3	58.7	49.7	60.0	60.8	56.2
5	CMH 08-292(Filler)	59.0	56.3	52.3	61.0	51.3	56.7	57.4	56.3
6	PMH-5(C)	52.7	52.3	45.0	51.3	45.0	55.3	58.4	51.4
7	Prakash(C)	51.3	50.7	46.0	56.0	45.0	54.0	61.3	52.0
	Location Mean	55.1	54.0	48.2	55.9	47.8	56.2	59.5	53.8
	CV (%)	1.3	3.1	1.5	7.0	2.5	4.9	4.3	4.1
	F (Prob)	0	0	0	0.03	0	0.16	0.44	0
	CD (5%)	1.2	3.0	1.3	6.9	2.1	4.9	4.5	1.4
	CD (1%)	1.7	4.2	1.9	9.7	3.0	6.9	6.3	1.8

TABLE No. 5: (Contd.) Days to 50% Silking									
Sl. No.	Entry Name	Almora	Bajaura	Gossaigaon	Imphal	Kangra	Poonch	Rajouri	Zone-I
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DMRH 1305	54.3	56.0	49.3	55.0	49.0	56.0	63.3	54.7
2	FH 3754	52.3	53.7	50.0	49.7	49.3	58.0	62.9	53.7
3	Bio9544(Filler)	61.3	62.7	58.3	61.7	55.7	60.3	61.8	60.3
4	CMH 08-282(Filler)	58.0	57.7	58.0	60.0	52.7	62.3	63.4	58.9
5	CMH 08-292(Filler)	60.0	58.7	58.0	63.0	54.3	59.3	61.0	59.2
6	PMH-5(C)	54.3	55.3	49.3	54.0	48.0	57.3	62.0	54.3
7	Prakash(C)	52.3	54.0	49.3	55.7	48.7	56.7	63.3	54.3
	Location Mean	56.1	56.9	53.4	57.0	51.1	58.6	62.5	56.5
	CV (%)	1.6	2.8	2.6	3.5	2.1	4.7	3.7	3.2
	F (Prob)	0	0	0	0	0	0.14	0.81	0
	CD (5%)	1.6	2.8	2.5	3.5	1.9	4.9	4.2	1.1
	CD (1%)	2.2	3.9	3.5	4.9	2.7	6.8	5.8	1.5
Days to 75% Dry Husk									
Sl. No.	Entry Name	Almora	Bajaura	Gossaigaon	Imphal	Kangra	Poonch	Rajouri	Zone-I
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DMRH 1305	95.7	94.0	97.0	87.0	87.3	102.0	100.5	94.8
2	FH 3754	97.7	91.3	97.7	84.3	88.0	100.7	99.2	94.1
3	Bio9544(Filler)	107.7	104.3	101.7	100.3	93.7	111.0	98.2	102.4
4	CMH 08-282(Filler)	99.7	94.7	103.7	92.3	91.3	108.0	99.7	98.5
5	CMH 08-292(Filler)	102.0	94.3	101.7	95.7	92.7	104.0	97.8	98.3
6	PMH-5(C)	96.7	94.3	98.7	83.7	86.7	105.3	101.3	95.2
7	Prakash(C)	96.3	91.0	97.7	95.3	87.7	104.0	98.6	95.8
	Location Mean	99.4	94.9	99.7	91.2	89.6	105.0	99.3	97.0
	CV (%)	1.4	1.1	2.9	3.0	1.6	3.3	3.4	2.5
	F (Prob)	0	0	0.09	0	0	0.04	0.86	0
	CD (5%)	2.5	1.8	5.1	4.8	2.6	6.1	5.9	1.5
	CD (1%)	3.5	2.5	7.1	6.8	3.7	8.6	8.3	1.9

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TABLE No. 5: (Contd.)		Plant Height(cm)							
Sl. No.	Entry Name	Almora Mean	Bajaura Mean	Gossaigaon Mean	Imphal Mean	Kangra Mean	Poonch Mean	Rajouri Mean	Zone-I Mean
1	DMRH 1305	190.0	205.5	101.3	162.3	192.0	205.7	191.0	178.3
2	FH 3754	233.3	213.2	125.2	196.3	199.3	253.3	199.9	202.9
3	Bio9544(Filler)	236.7	219.0	126.3	177.6	223.2	245.0	193.4	203.0
4	CMH 08-282(Filler)	280.0	215.7	139.5	208.6	250.3	271.0	186.6	221.7
5	CMH 08-292(Filler)	276.7	254.0	141.3	218.3	241.8	269.0	194.2	227.9
6	PMH-5(C)	235.0	212.2	135.9	185.0	219.7	244.7	198.9	204.5
7	Prakash(C)	233.3	209.5	131.5	171.3	218.5	240.3	194.9	199.9
	Location Mean	240.7	218.4	128.7	188.5	220.7	247.0	194.1	205.5
	CV (%)	5.7	13.7	7.6	10.9	4.4	6.3	5.3	8.2
	F (Prob)	0	0.54	0	0.05	0	0	0.73	0
	CD (5%)	24.2	53.3	17.3	36.5	17.4	27.7	18.2	10.4
	CD (1%)	33.9	74.8	24.3	51.1	24.4	38.9	25.5	13.7
		Ear Height(cm)							
Sl. No.	Entry Name	Almora Mean	Bajaura Mean	Gossaigaon Mean	Imphal Mean	Kangra Mean	Poonch Mean	Rajouri Mean	Zone-I Mean
1	DMRH 1305	96.7	116.4	41.3	46.1	94.0	76.3	99.7	81.5
2	FH 3754	123.3	117.0	53.3	73.3	99.0	106.3	97.5	95.7
3	Bio9544(Filler)	133.3	130.8	57.8	67.7	114.0	102.0	98.9	100.6
4	CMH 08-282(Filler)	150.0	125.3	72.0	77.7	123.7	114.0	98.1	108.7
5	CMH 08-292(Filler)	158.3	153.5	72.5	96.7	118.7	117.0	92.8	115.6
6	PMH-5(C)	115.0	115.8	57.1	64.6	109.0	93.3	99.7	93.5
7	Prakash(C)	130.0	117.5	53.2	53.9	110.7	98.3	95.6	94.2
	Location Mean	129.5	125.2	58.2	68.6	109.9	101.1	97.5	98.6
	CV (%)	5.7	16.9	11.6	24.1	4.5	8.7	5.5	11.7
	F (Prob)	0	0.35	0	0.05	0	0	0.69	0
	CD (5%)	13.1	37.6	12.0	29.4	8.8	15.6	9.5	7.1
	CD (1%)	18.4	52.7	16.8	41.2	12.3	21.8	13.4	9.4

TABLE No. 6: Trial No. 65 (Late Maturity) AVT1 Grain Yield(kg/ha)

Sl. No.	Entry Name	Aligarh		Gurdaspur		Kapurthala		Karnal		Ludhiana		Pantnagar		Zone-II	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	CMH11-583	9200	13	10098	5	7174	10	7605	12	8476	10	3316	16	7645	13
2	DH-300	8218	18	7633	18	5031	18	7370	16	5936	18	3922	12	6352	18
3	DKC 9178 (IQ8623)	10109	8	11081	1	8696	2	7705	9	10815	2	4865	1	8879	1
4	GK 3204	10202	7	8895	15	6406	13	7620	11	9281	5	3438	15	7640	14
5	HT 16607	9154	14	9188	12	8102	5	7275	17	8634	9	4563	4	7819	9
6	JH 13023	8886	16	9986	6	7729	6	7759	7	9014	8	4017	10	7899	5
7	JH 15080	9881	10	9864	8	7003	11	7563	13	9762	3	4216	7	8048	4
8	JKMH 4152	10275	6	10593	2	9213	1	7671	10	9022	7	4626	3	8566	3
9	MM 2626	9082	15	10290	4	7629	8	7501	15	7576	13	4301	5	7730	11
10	NS 8001	9951	9	8364	17	6115	14	7125	18	7035	16	4185	8	7129	17
11	OMH 14-16 (CAH1424)	9258	12	9883	7	6528	12	8061	3	9464	4	3629	14	7804	10
12	OMH 1462 (CAH 142)	10640	3	8729	16	7640	7	8692	1	8458	11	3178	17	7889	6
13	PM16103L	11204	1	9378	11	7576	9	7891	4	11257	1	4754	2	8677	2
14	STAR-X-6	10562	4	8989	14	8304	4	8227	2	7226	15	3786	13	7849	7
15	VaMH 13024	9597	11	10410	3	5119	17	7534	14	7294	14	3014	18	7161	16
16	BIO 9682 (C)	8591	17	9162	13	8326	3	7709	8	9227	6	3983	11	7833	8
17	CMH 08-282 (C)	10360	5	9500	10	6068	15	7885	5	8240	12	4278	6	7722	12
18	CMH 08-287 (C)	10884	2	9704	9	5950	16	7788	6	6816	17	4146	9	7548	15
	Location Mean	9781	.	9542	.	7145	.	7721	.	8530	.	4012	.	7788	.
	CV (%)	7	.	14.13	.	15.69	.	10.26	.	11.74	.	15.62	.	12.37	.
	F (Prob)	0	.	0.32	.	0	.	0.86	.	0	.	0.02	.	0	.
	CD (5%)	1136	.	2236	.	1861	.	1314	.	1662	.	1040	.	633	.
	CD (1%)	1525	.	3002	.	2498	.	1764	.	2231	.	1396	.	835	.

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TABLE No. 6: (Contd.)

Plant Stand('000/ha)

Shelling(%)

Sl. No.	Entry Name	Aligarh	Gurdaspur	Kapurthala	Karnal	Ludhiana	Pantnagar	Zone-II	Aligarh	Gurdaspur	Kapurthala	Karnal	Ludhiana	Pantnagar	Zone-II
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	CMH11-583	80.9	60.6	69.8	63.3	88.5	31.1	65.7	78.6	76.5	77.2	80.6	78.7	81.8	78.9
2	DH-300	80.2	57.4	60.1	63.1	86.4	31.9	63.2	76.8	74.0	74.7	81.0	77.0	85.9	78.2
3	DKC 9178 (IQ8623)	82.3	63.8	78.8	63.3	86.0	32.5	67.8	73.8	75.5	72.9	80.9	78.7	80.7	77.1
4	GK 3204	80.6	57.7	68.4	63.6	88.9	29.7	64.8	75.9	76.0	75.1	81.8	74.0	81.1	77.3
5	HT 16607	80.2	61.9	74.3	63.3	89.3	31.9	66.8	78.5	77.5	76.5	81.0	72.3	88.9	79.1
6	JH 13023	81.3	57.7	72.9	63.9	88.7	31.7	66.0	78.7	75.0	77.9	81.3	80.7	82.8	79.4
7	JH 15080	79.5	59.9	72.6	63.9	81.6	31.9	64.9	73.3	79.0	71.8	81.3	77.0	76.7	76.5
8	JKMH 4152	80.9	59.9	75.0	64.2	89.7	30.6	66.7	77.1	79.0	79.2	80.4	75.3	84.6	79.3
9	MM 2626	81.9	57.7	69.1	63.3	86.7	31.9	65.1	75.0	79.0	76.9	80.7	75.3	85.9	78.8
10	NS 8001	79.2	59.9	66.0	62.5	89.2	31.1	64.6	78.6	79.0	77.8	81.4	72.7	85.8	79.2
11	OMH 14-16 (CAH1424)	79.5	61.2	66.7	63.3	90.0	30.6	65.2	79.1	79.5	77.9	80.2	78.3	79.4	79.1
12	OMH 1462 (CAH 142)	79.9	57.7	71.2	64.2	88.7	30.8	65.4	75.7	79.0	76.2	81.8	76.7	82.6	78.7
13	PM16103L	81.3	56.7	72.6	63.1	89.1	32.2	65.8	79.0	75.0	78.6	81.2	82.0	85.6	80.2
14	STAR-X-6	81.6	59.6	75.0	63.9	88.5	28.6	66.2	78.3	75.5	73.2	80.4	74.3	83.3	77.5
15	VaMH 13024	80.6	66.0	61.5	63.3	88.9	29.7	65.0	77.9	72.0	79.3	80.7	73.7	84.2	77.9
16	BIO 9682 (C)	81.3	67.6	75.7	63.3	86.1	32.2	67.7	75.2	76.5	77.3	81.0	79.3	83.9	78.9
17	CMH 08-282 (C)	80.9	62.8	66.7	63.6	85.6	30.3	65.0	76.8	77.0	76.2	81.2	74.7	83.4	78.2
18	CMH 08-287 (C)	80.9	61.2	65.6	63.9	86.0	32.2	65.0	76.2	77.0	73.5	82.2	67.7	83.8	76.7
	Location Mean	80.7	60.5	70.1	63.5	87.7	31.2	65.6	76.9	76.8	76.2	81.1	76.0	83.4	78.4
	CV (%)	2.0	9.0	7.0	1.4	1.0	4.2	4.8	1.6	4.4	3.5	1.2	5.5	2.2	3.4
	F (Prob)	0.67	0.55	0	0.76	0	0.04	0	0	0.36	0.03	0.54	0.04	0	0
	CD (5%)	2.7	9.1	8.1	1.4	1.5	2.2	2.1	2.1	5.6	4.5	1.6	7.0	3.0	1.7
	CD (1%)	3.6	12.2	10.9	1.9	2.0	2.9	2.7	2.8	7.5	6.0	2.2	9.4	4.0	2.3

TABLE No. 6: (Contd.) Moisture(%)

Sl. No.	Entry Name	Aligarh	Gurdaspur	Kapurthala	Karnal	Ludhiana	Pantnagar	Zone-II
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	CMH11-583	16.6	21.5	20.0	24.5	17.4	21.1	20.2
2	DH-300	16.1	21.8	20.0	24.5	16.4	22.7	20.2
3	DKC 9178 (IQ8623)	17.5	22.0	20.0	24.2	18.3	22.9	20.8
4	GK 3204	17.7	22.0	20.0	23.9	14.4	21.7	19.9
5	HT 16607	16.0	22.0	20.0	24.1	17.8	24.3	20.7
6	JH 13023	15.4	21.5	20.0	24.3	16.8	21.7	20.0
7	JH 15080	17.3	22.3	20.0	23.6	15.0	19.6	19.6
8	JKMH 4152	17.1	22.0	20.0	24.6	17.0	21.6	20.4
9	MM 2626	20.3	21.0	20.0	24.0	15.6	26.0	21.2
10	NS 8001	16.3	22.0	20.0	24.0	16.1	21.8	20.0
11	OMH 14-16 (CAH1424)	15.3	21.8	20.0	23.9	13.4	21.6	19.3
12	OMH 1462 (CAH 142)	17.3	21.5	20.0	23.2	18.6	21.5	20.4
13	PM16103L	17.7	22.0	20.0	23.1	18.9	22.1	20.6
14	STAR-X-6	17.6	21.5	20.0	24.4	17.0	19.3	20.0
15	VaMH 13024	16.7	21.5	20.0	24.3	18.2	21.4	20.3
16	BIO 9682 (C)	15.8	21.3	20.0	24.5	14.0	22.7	19.7
17	CMH 08-282 (C)	17.3	21.5	20.0	24.1	18.5	20.8	20.3
18	CMH 08-287 (C)	17.7	22.3	20.0	23.7	17.8	24.0	20.9
	Location Mean	17.0	21.7	20.0	24.1	16.7	22.0	20.3
	CV (%)	9.2	1.4	0.0	3.3	5.2	8.1	5.4
	F (Prob)	0.11	0	.	0.61	0	0.01	0
	CD (5%)	2.6	0.5	0.0	1.3	1.4	3.0	0.7
	CD (1%)	3.5	0.7	0.0	1.8	1.9	4.0	0.9

Days to 50% Pollen Shed

Aligarh	Gurdaspur	Karnal	Ludhiana	Pantnagar	Zone-II
Mean	Mean	Mean	Mean	Mean	Mean
50.3	50.7	52.7	50.0	55.7	51.9
57.0	55.3	58.3	58.0	58.3	57.4
54.7	55.3	57.7	55.3	58.0	56.2
51.3	53.7	54.0	53.7	59.0	54.3
53.7	54.7	58.0	53.0	56.0	55.1
54.3	54.7	56.3	55.3	58.0	55.7
52.3	53.3	55.3	53.3	56.7	54.2
58.3	55.3	58.7	58.0	58.3	57.7
56.0	54.0	58.0	58.0	58.3	56.9
50.0	50.7	52.7	51.0	55.3	51.9
56.0	56.3	57.0	56.3	59.0	56.9
54.7	54.0	56.7	55.7	58.0	55.8
51.0	51.0	55.0	53.3	52.7	52.6
54.0	54.0	57.0	55.0	58.0	55.6
50.3	51.3	53.7	53.0	56.0	52.9
52.7	53.3	56.3	52.7	58.0	54.6
50.7	50.7	54.7	54.0	54.0	52.8
53.0	54.7	56.3	56.0	57.7	55.5
53.4	53.5	56.0	54.5	57.1	54.9
2.7	3.1	3.6	2.5	2.9	3.0
0	0	0.01	0	0	0
2.4	2.7	3.3	2.3	2.7	1.2
3.3	3.6	4.5	3.0	3.7	1.6

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TABLE No. 6: (Contd.)

Days to 50% Silking

Days to 75% Dry Husk

Sl. No.	Entry Name	Aligarh	Gurdaspur	Karnal	Ludhiana	Pantnagar	Zone-II	Aligarh	Gurdaspur	Karnal	Ludhiana	Zone-II
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	CMH11-583	55.7	51.0	55.3	51.3	58.0	54.3	90.0	93.7	91.3	95.0	92.5
2	DH-300	63.7	55.3	61.3	59.3	61.3	60.2	95.0	97.3	93.7	96.3	95.6
3	DKC 9178 (IQ8623)	59.7	56.3	59.7	57.0	60.3	58.6	95.3	100.0	92.3	96.0	95.9
4	GK 3204	57.0	54.0	56.7	55.3	62.0	57.0	90.3	99.0	91.3	96.0	94.2
5	HT 16607	58.3	54.7	61.3	53.0	58.3	57.1	88.7	95.7	93.7	94.7	93.2
6	JH 13023	69.3	54.7	59.3	55.3	60.3	59.8	89.7	95.7	92.3	95.7	93.3
7	JH 15080	57.0	53.3	61.7	54.7	58.7	57.1	88.0	96.0	91.3	91.7	91.8
8	JKMH 4152	63.7	55.7	60.3	60.0	61.0	60.1	95.3	99.0	95.0	97.7	96.8
9	MM 2626	62.0	54.7	61.0	60.0	61.0	59.7	91.0	98.0	94.3	96.7	95.0
10	NS 8001	55.3	50.7	55.3	52.0	58.3	54.3	89.7	93.3	92.0	95.0	92.5
11	OMH 14-16 (CAH1424)	61.7	56.7	59.7	57.7	61.3	59.4	91.0	97.0	91.7	96.0	93.9
12	OMH 1462 (CAH 142)	59.7	54.0	59.0	56.0	61.0	57.9	94.7	98.0	91.0	92.7	94.1
13	PM16103L	56.3	51.0	58.0	54.0	56.0	55.1	89.0	94.3	91.0	94.3	92.2
14	STAR-X-6	60.0	54.7	59.7	56.0	61.0	58.3	92.7	98.0	93.7	96.0	95.1
15	VaMH 13024	56.0	51.3	56.7	53.7	58.3	55.2	88.0	93.0	91.0	93.0	91.3
16	BIO 9682 (C)	59.3	53.3	59.3	53.3	61.0	57.3	92.0	96.3	94.0	96.0	94.6
17	CMH 08-282 (C)	55.3	51.0	58.3	54.7	56.7	55.2	87.3	93.3	90.0	89.7	90.1
18	CMH 08-287 (C)	58.0	55.3	59.7	56.7	60.7	58.1	62.3	98.7	92.0	97.3	87.6
	Location Mean	59.3	53.8	59.0	55.6	59.7	57.5	89.4	96.5	92.3	95.0	93.3
	CV (%)	7.2	2.8	3.9	2.5	2.9	4.3	12.5	2.4	1.6	2.1	6.3
	F (Prob)	0.02	0	0.02	0	0	0	0.27	0.01	0	0	0.04
	CD (5%)	7.1	2.5	3.8	2.3	2.9	1.8	18.6	3.9	2.4	3.3	4.7
	CD (1%)	9.5	3.4	5.1	3.1	3.9	2.4	24.9	5.2	3.2	4.5	6.2

TABLE No. 6: (Contd.)

Plant Height (cm)

Ear Height (cm)

Sl. No.	Entry Name	Aligarh	Gurdaspur	Kapurthala	Karnal	Ludhiana	Pantnagar	Zone-II	Aligarh	Gurdaspur	Kapurthala	Karnal	Ludhiana	Pantnagar	Zone-II
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	CMH11-583	147.9	270.0	235.5	199.5	205.0	245.3	217.2	111.3	116.7	112.2	101.7	115.0	130.7	114.6
2	DH-300	179.2	230.0	216.9	181.7	195.0	241.0	207.3	86.9	100.0	109.7	89.3	113.3	115.7	102.5
3	DKC 9178 (IQ8623)	245.3	330.0	279.3	203.3	225.0	305.7	264.8	129.2	135.0	130.0	102.7	123.3	161.7	130.3
4	GK 3204	228.4	253.3	245.8	205.0	211.7	250.7	232.5	117.1	101.7	111.7	94.3	120.0	120.7	110.9
5	HT 16607	195.2	268.3	226.7	152.3	195.0	250.0	214.6	105.1	120.0	117.8	82.7	115.0	134.7	112.5
6	JH 13023	223.4	295.0	258.9	206.0	221.7	301.0	251.0	132.9	130.0	139.8	97.0	136.7	169.7	134.3
7	JH 15080	234.8	291.7	243.3	208.3	216.7	296.3	248.5	124.7	125.0	122.3	109.7	128.3	159.0	128.4
8	JKM 4152	225.0	300.0	266.0	181.3	228.3	267.0	244.6	122.7	133.3	142.1	89.3	140.0	139.0	127.8
9	MM 2626	208.2	278.3	253.0	175.0	228.3	284.7	237.9	115.9	115.0	127.4	81.0	140.0	155.3	122.4
10	NS 8001	205.5	263.3	234.7	176.7	185.0	249.3	219.1	101.3	105.0	100.3	90.7	115.0	124.0	106.0
11	OMH 14-16 (CAH1424)	192.2	240.0	224.9	165.0	188.3	246.3	209.5	95.5	101.7	110.0	79.0	105.0	114.3	100.9
12	OMH 1462 (CAH 142)	192.7	251.7	215.0	180.0	193.3	251.0	214.0	94.6	91.7	109.5	88.7	108.3	112.7	100.9
13	PM16103L	241.8	290.0	253.9	188.3	225.0	292.0	248.5	113.2	103.3	124.6	83.0	128.3	153.7	117.7
14	STAR-X-6	236.8	300.0	247.9	176.7	211.7	284.7	242.9	107.4	118.3	123.7	80.0	120.0	140.0	114.9
15	VaMH 13024	190.6	256.7	218.0	170.0	191.7	264.3	215.2	101.3	116.7	115.2	87.0	108.3	137.0	110.9
16	BIO 9682 (C)	201.4	271.7	237.7	150.0	190.0	277.0	221.3	114.3	93.3	124.3	73.3	108.3	149.0	110.4
17	CMH 08-282 (C)	248.5	286.7	270.5	220.0	220.0	295.3	256.8	132.8	131.7	126.3	101.7	126.7	159.3	129.7
18	CMH 08-287 (C)	243.4	311.7	258.1	185.3	236.7	294.0	254.9	129.1	133.3	126.5	82.3	140.0	156.3	127.9
	Location Mean	213.4	277.1	243.7	184.7	209.4	272.0	233.4	113.0	115.1	120.7	89.6	121.8	140.7	116.8
	CV (%)	13.3	5.5	7.7	10.6	6.0	5.6	8.1	7.5	10.3	6.6	14.5	7.9	9.7	9.4
	F (Prob)	0.01	0	0	0	0	0	0	0	0	0	0.09	0	0	0
	CD (5%)	47.2	25.2	31.1	32.3	20.8	25.1	12.5	14.0	19.6	13.3	21.5	16.0	22.6	7.2
	CD (1%)	63.4	33.8	41.7	43.4	28.0	33.8	16.4	18.8	26.4	17.8	28.9	21.5	30.4	9.5

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TABLE No. 7: Trial No. 66 (Medium Maturity) AVT1		Yield(kg/ha)													
Sl. No.	Entry Name	Aligarh		Gurdaspur		Kapurthala		Karnal		Ludhiana		Pantnagar		Zone-II	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	JKMH 4157	6774	1	10683	2	8808	2	7795	4	9509	1	5235	1	8134	1
2	RCRMH 2	6562	2	10623	3	6908	4	8108	2	9076	2	4708	3	7664	3
3	BIO 9544 (C)	5774	5	11245	1	9311	1	7892	3	8868	3	5117	2	8034	2
4	CMH 08-292 (C)	5981	3	9614	4	7903	3	7349	5	8328	4	4424	5	7267	4
5	DHM 121 (C)	5797	4	9102	5	6873	5	8512	1	3845	5	4624	4	6459	5
	Location Mean	6178	.	10253	.	7960	.	7931	.	7925	.	4822	.	7512	.
	CV (%)	13.1	.	7.5	.	15.6	.	10.1	.	14.3	.	7.8	.	12.0	.
	F (Prob)	0.33	.	0.01	.	0.06	.	0.39	.	0	.	0.05	.	0	.
	CD (5%)	1249	.	1187	.	1913	.	1236	.	1747	.	579	.	518	.
	CD (1%)	1751	.	1664	.	2682	.	1733	.	2449	.	811	.	688	.

TABLE No. 7(Contd.)		Plant Stand('000/ha)							Moisture(%)						
Sl. No.	Entry Name	Aligarh	Gurdaspur	Kapurthala	Karnal	Ludhiana	Pantnagar	Zone-II	Aligarh	Gurdaspur	Kapurthala	Karnal	Ludhiana	Pantnagar	Zone-II
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JKMH 4157	54.2	61.8	75.8	64.4	89.1	30.6	62.6	17.4	22.0	20.0	22.7	18.7	20.6	20.2
2	RCRMH 2	55.4	58.9	70.6	64.8	88.5	32.1	61.7	17.0	21.5	20.0	22.5	15.0	17.5	18.9
3	BIO 9544 (C)	55.6	62.3	75.3	64.4	86.2	31.3	62.5	17.0	21.8	20.0	23.0	18.3	19.2	19.9
4	CMH 08-292 (C)	55.2	58.2	72.1	64.0	86.8	31.0	61.2	16.3	21.8	20.0	23.6	16.5	19.0	19.5
5	DHM 121 (C)	52.1	59.6	69.3	64.8	86.8	28.8	60.2	16.3	21.8	20.0	22.4	17.6	18.7	19.5
	Location Mean	54.5	60.1	72.6	64.5	87.5	30.8	61.7	16.8	21.8	20.0	22.8	17.2	19.0	19.6
	CV (%)	3.1	5.8	5.2	1.0	1.5	4.1	3.8	3.9	1.2	0.0	3.9	5.3	3.1	3.2
	F (Prob)	0.06	0.42	0.12	0.40	0.03	0.03	0.00	0.11	0.20	.	0.39	0.00	0.00	0.00
	CD (5%)	2.6	5.4	5.8	1.0	2.0	1.9	1.3	1.0	0.4	0.0	1.4	1.4	0.9	0.4
	CD (1%)	3.6	7.5	8.1	1.4	2.8	2.7	1.8	1.4	0.6	0.0	1.9	2.0	1.3	0.5
		Shelling(%)							Days to 50% Pollen Shed						
Sl. No.	Entry Name	Aligarh	Gurdaspur	Kapurthala	Karnal	Ludhiana	Pantnagar	Zone-II	Aligarh	Gurdaspur	Karnal	Ludhiana	Pantnagar	Zone-II	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	JKMH 4157	76.7	77.8	76.0	82.9	73.0	84.3	78.4	50.8	51.0	48.8	52.0	53.8	51.3	
2	RCRMH 2	77.9	80.3	74.5	82.3	75.5	82.8	78.9	53.3	52.3	49.3	54.0	53.8	52.5	
3	BIO 9544 (C)	73.5	78.3	79.2	82.4	76.0	85.9	79.2	55.3	53.0	50.0	54.5	56.0	53.8	
4	CMH 08-292 (C)	77.4	77.3	77.2	80.6	73.8	80.9	77.8	53.5	52.0	51.0	53.0	54.0	52.7	
5	DHM 121 (C)	72.3	74.8	76.5	82.4	50.3	82.3	73.1	54.0	53.5	49.0	53.3	55.5	53.1	
	Location Mean	75.5	77.7	76.7	82.1	69.7	83.2	77.5	53.4	52.4	49.6	53.4	54.6	52.7	
	CV (%)	1.3	3.4	5.8	1.1	7.9	0.2	4.0	2.1	2.0	3.0	1.9	1.8	2.2	
	F (Prob)	0.00	0.13	0.66	0.04	0.00	0.00	0.00	0.00	0.05	0.26	0.03	0.02	0.00	
	CD (5%)	1.5	4.1	6.8	1.4	8.5	0.3	1.8	1.8	1.6	2.3	1.5	1.6	0.7	
	CD (1%)	2.1	5.7	9.5	2.0	11.9	0.4	2.4	2.5	2.3	3.2	2.2	2.2	1.0	

TABLE No. 7(Contd.)								Days to 50% Silking							Plant Height(cm)						
Sl. No.	Entry Name	Aligarh	Gurdaspur	Karnal	Ludhiana	Pantnagar	Zone-II	Aligarh	Gurdaspur	Kapurthala	Karnal	Ludhiana	Pantnagar	Zone-II							
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean							
1	JKMH 4157	55.8	51.3	51.8	53.8	56.8	53.9	242.3	251.3	244.0	240.8	217.5	295.5	248.6							
2	RCRMH 2	58.3	52.0	52.0	55.8	56.3	54.9	241.7	253.8	237.7	236.8	233.8	285.8	248.2							
3	BIO 9544 (C)	61.3	53.0	52.8	55.8	58.5	56.3	207.3	211.3	240.9	192.3	175.0	273.3	216.7							
4	CMH 08-292 (C)	59.3	52.5	53.5	54.8	56.0	55.2	252.6	256.3	250.0	247.5	227.5	299.3	255.5							
5	DHM 121 (C)	60.3	54.0	51.8	55.0	58.3	55.9	207.7	218.8	244.5	199.3	180.0	270.3	220.1							
	Location Mean	59.0	52.6	52.4	55.0	57.2	55.2	230.3	238.3	243.4	223.3	206.8	284.8	237.8							
	CV (%)	2.6	2.3	3.6	1.5	1.6	2.4	2.8	6.2	7.6	5.6	8.5	4.2	6.0							
	F (Prob)	0.00	0.06	0.62	0.03	0.01	0.00	0.00	0.00	0.91	0.00	0.00	0.02	0.00							
	CD (5%)	2.4	1.8	2.9	1.3	1.4	0.8	10.1	22.6	28.7	19.4	27.1	18.3	8.2							
	CD (1%)	3.3	2.6	4.0	1.8	2.0	1.1	14.1	31.7	40.2	27.2	38.0	25.6	10.9							
Days to 75% Dry Husk								Ear Height(cm)													
Sl. No.	Entry Name	Aligarh	Gurdaspur	Karnal	Ludhiana	Zone-II		Aligarh	Gurdaspur	Kapurthala	Karnal	Ludhiana	Pantnagar	Zone-II							
		Mean	Mean	Mean	Mean	Mean		Mean	Mean	Mean	Mean	Mean	Mean	Mean							
1	JKMH 4157	88.0	92.3	84.3	95.8	90.1		108.4	125.0	116.8	117.3	117.5	142.0	121.2							
2	RCRMH 2	91.0	92.3	84.5	94.3	90.5		121.7	132.5	119.9	117.8	135.0	145.3	128.7							
3	BIO 9544 (C)	94.8	96.0	85.0	96.8	93.1		114.6	111.3	119.3	107.3	103.8	148.3	117.4							
4	CMH 08-292 (C)	90.0	93.5	86.0	89.0	89.6		137.0	135.0	127.1	136.3	138.8	167.8	140.3							
5	DHM 121 (C)	94.5	95.8	84.3	96.3	92.7		98.2	110.0	118.4	100.3	96.3	135.0	109.7							
	Location Mean	91.7	94.0	84.8	94.4	91.2		116.0	122.8	120.3	115.8	118.3	147.7	123.4							
	CV (%)	1.7	2.1	1.5	1.6	1.8		7.2	15.9	10.3	7.1	8.3	5.4	9.5							
	F (Prob)	0.00	0.05	0.29	0.00	0.00		0.00	0.28	0.80	0.00	0.00	0.00	0.00							
	CD (5%)	2.4	3.1	1.9	2.3	1.1		12.9	30.0	19.0	12.7	15.1	12.3	6.8							
	CD (1%)	3.4	4.4	2.7	3.3	1.5		18.0	42.0	26.6	17.8	21.2	17.2	9.0							

TABLE No. 8: Trial No. 66,70 (Medium Maturity) AVT-I-II										Yield(kg/ha)									
Sl. No.	Entry Name	Bahraich		Bhubaneswar		Dholi		Kalayani		Koraput		Ranchi		Sabour		Varanasi		Zone-III	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	DKC 8174 (IQ8319)	7848	7	6357	2	4555	1	6391	11	8062	6	8514	1	7377	1	10282	1	7423	1
2	DKC 9179 (IQ8627)	9600	2	5936	7	4043	3	6534	10	7164	8	7803	2	6282	3	9965	2	7172	2
3	IMH 1527	10604	1	5893	8	3837	6	7254	7	6086	9	6236	8	5579	8	8105	4	6699	7
4	IMHBG-2016-6	8409	6	5593	10	3710	9	7371	6	8244	5	6995	6	7306	2	7683	6	6914	5
5	JH 13347	7374	10	6119	3	3739	8	7670	5	9039	3	6545	7	4976	9	7797	5	6657	8
6	JKMH 4103	7502	9	6026	5	3940	5	7699	4	5322	11	5228	10	6153	6	8562	3	6304	10
7	VaMH 12014	8616	5	6102	4	3586	11	7909	2	9946	2	6109	9	6209	5	6816	11	6912	6
8	BIO 9544 (C)	9317	3	5702	9	4036	4	7111	9	8635	4	7411	3	6217	4	7323	9	6969	4
9	Bio 9637(C)	7704	8	6367	1	4114	2	8185	1	7994	7	7158	4	4601	11	6983	10	6639	9
10	CMH 08-292 (C)	8843	4	5474	11	3659	10	7153	8	10450	1	7053	5	5771	7	7604	7	7001	3
11	PMH4 (C)	6706	11	6005	6	3821	7	7858	3	5683	10	4336	11	4920	10	7326	8	5832	11
	Location Mean	8434	.	5961	.	3915	.	7376	.	7875	.	6672	.	5945	.	8040	.	6782	.
	CV (%)	10.0	.	10.5	.	10.3	.	11.3	.	19.7	.	14.9	.	17.8	.	9.3	.	13.9	.
	F (Prob)	0	.	0.78	.	0.27	.	0.27	.	0.01	.	0	.	0.06	.	0	.	0	.
	CD (5%)	1439	.	1069	.	687	.	1424	.	2645	.	1688	.	1799	.	1275	.	545	.
	CD (1%)	1967	.	1458	.	939	.	1943	.	3608	.	2302	.	2454	.	1739	.	719	.

Note- DHM 121 (Check) omitted due to very poor germination and viability

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TABLE No. 8: (Contd.) Plant Stand										
Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalayani	Koraput	Ranchi	Sabour	Varanasi	Zone- III Mean
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 8174 (IQ8319)	68.1	77.1	57.2	55.3	72.9	74.2	75.7	72.0	69.1
2	DKC 9179 (IQ8627)	67.4	75.9	57.6	56.9	69.2	74.6	73.6	70.8	68.3
3	IMH 1527	66.9	74.8	56.9	56.7	63.2	75.2	72.0	70.6	67.0
4	IMHBG-2016-6	68.5	74.5	55.7	57.9	70.8	70.7	77.1	71.1	68.3
5	JH 13347	69.7	74.1	55.6	57.9	70.8	68.4	53.0	68.1	64.7
6	JKMH 4103	68.3	75.5	57.6	56.9	58.3	68.6	77.8	73.8	67.1
7	VaMH 12014	69.0	72.9	56.5	57.4	69.9	71.6	71.1	68.1	67.1
8	BIO 9544 (C)	69.7	73.4	56.7	57.6	69.9	68.2	73.6	70.8	67.5
9	Bio 9637(C)	66.8	74.3	56.9	57.9	77.1	73.1	68.3	70.6	68.1
10	CMH 08-292 (C)	54.4	71.8	58.3	56.9	77.1	73.1	72.0	66.0	66.2
11	PMH4 (C)	67.6	72.5	57.2	58.8	57.9	74.2	57.4	71.3	64.6
	Location Mean	66.9	74.2	56.9	57.3	68.8	72.0	70.1	70.3	67.1
	CV (%)	12.4	4.3	2.0	3.4	10.1	6.3	10.9	2.5	7.7
	F (Prob)	0.63	0.68	0.2	0.77	0.03	0.47	0.01	0	0.05
	CD (5%)	14.2	5.4	1.9	3.3	11.9	7.7	13.1	3.0	3.0
	CD (1%)	19.4	7.4	2.6	4.5	16.2	10.6	17.8	4.2	3.9
Shelling(%)										
Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalayani	Koraput	Ranchi	Sabour	Varanasi	Zone- III Mean
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 8174 (IQ8319)	75.1	79.1	79.0	70.9	79.9	84.9	80.0	75.3	78.0
2	DKC 9179 (IQ8627)	79.1	79.6	79.5	75.7	79.0	85.4	80.3	78.3	79.6
3	IMH 1527	82.0	80.2	80.0	80.1	83.3	84.0	77.5	78.1	80.7
4	IMHBG-2016-6	77.9	79.1	76.0	73.8	78.3	82.3	83.3	73.1	78.0
5	JH 13347	77.7	79.3	75.5	81.0	83.0	86.0	80.9	78.6	80.3
6	JKMH 4103	74.2	80.2	80.5	78.3	86.2	87.4	81.8	74.2	80.3
7	VaMH 12014	75.8	78.6	74.0	81.2	84.4	87.3	81.7	78.0	80.1
8	BIO 9544 (C)	79.5	78.7	76.5	75.5	83.2	85.9	76.5	76.1	79.0
9	Bio 9637(C)	73.9	79.8	81.0	84.1	83.3	86.4	83.0	76.5	81.0
10	CMH 08-292 (C)	78.3	79.7	75.5	72.1	80.4	82.5	75.8	75.3	77.5
11	PMH4 (C)	71.3	79.2	79.0	78.7	85.3	86.4	79.4	75.3	79.3
	Location Mean	76.8	79.4	77.9	77.4	82.4	85.3	80.0	76.3	79.4
	CV (%)	2.1	0.6	3.2	6.3	2.6	2.2	3.1	1.4	3.1
	F (Prob)	0	0.01	0.02	0.06	0	0.03	0.01	0	0
	CD (5%)	2.7	0.9	4.2	8.2	3.6	3.2	4.2	1.8	1.4
	CD (1%)	3.7	1.2	5.8	11.2	4.9	4.4	5.7	2.4	1.8

TABLE No. 8: (Contd.) Moisture(%)										
Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalayani	Koraput	Ranchi	Sabour	Varanasi	Zone-III
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 8174 (IQ8319)	26.1	18.5	28.4	20.0	29.7	26.3	35.8	29.2	26.7
2	DKC 9179 (IQ8627)	28.2	18.8	27.9	20.0	28.8	26.4	33.4	31.6	26.9
3	IMH 1527	27.1	18.2	24.5	20.0	27.9	26.4	36.5	29.4	26.2
4	IMHBG-2016-6	26.9	19.1	26.0	20.0	29.4	26.9	37.7	27.1	26.6
5	JH 13347	25.7	18.4	22.6	20.0	29.0	25.9	33.5	26.1	25.1
6	JKMH 4103	24.5	18.8	22.5	20.0	27.3	26.4	30.5	24.1	24.3
7	VaMH 12014	26.2	18.6	25.4	20.0	28.4	29.0	36.4	29.7	26.7
8	BIO 9544 (C)	27.6	18.6	28.1	20.0	29.8	26.9	36.6	31.6	27.4
9	Bio 9637(C)	24.9	18.9	29.3	20.0	28.6	26.5	37.6	28.8	26.8
10	CMH 08-292 (C)	25.9	18.3	27.4	20.0	28.8	26.6	36.0	26.8	26.2
11	PMH4 (C)	25.3	18.4	23.3	20.0	29.4	27.1	32.6	26.9	25.4
	Location Mean	26.2	18.6	25.9	20.0	28.8	26.8	35.1	28.3	26.2
	CV (%)	3.5	2.2	3.0	0.0	3.6	2.4	6.7	3.0	4.1
	F (Prob)	0	0.24	0	.	0.16	0	0.02	0	0
	CD (5%)	1.5	0.7	1.3	0.0	1.8	1.1	4.0	1.4	0.6
	CD (1%)	2.1	0.9	1.8	0.0	2.4	1.5	5.5	1.9	0.8
Days to 50% Pollen Shed										
Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalayani	Koraput	Ranchi	Sabour	Varanasi	Zone-III
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 8174 (IQ8319)	55.7	48.7	52.0	46.0	61.0	51.7	57.0	57.3	53.7
2	DKC 9179 (IQ8627)	51.7	49.3	50.0	45.7	61.7	52.3	57.7	57.7	53.3
3	IMH 1527	53.7	48.3	50.7	48.0	70.0	51.0	56.7	58.3	54.6
4	IMHBG-2016-6	56.0	48.7	53.3	48.0	60.3	54.7	59.3	59.0	54.9
5	JH 13347	50.0	46.7	45.3	44.3	57.7	49.0	55.3	55.7	50.5
6	JKMH 4103	50.7	49.0	45.7	45.7	57.0	51.7	54.0	53.7	50.9
7	VaMH 12014	53.0	49.0	48.7	44.7	58.7	53.7	57.7	60.7	53.3
8	BIO 9544 (C)	56.3	49.3	52.0	48.0	59.3	53.0	58.3	60.7	54.6
9	Bio 9637(C)	53.9	48.0	51.7	48.7	61.3	53.3	59.7	59.3	54.5
10	CMH 08-292 (C)	54.3	49.0	48.7	45.3	59.3	51.0	58.3	57.7	53.0
11	PMH4 (C)	53.7	48.7	47.3	48.0	57.3	49.0	58.3	56.7	52.4
	Location Mean	53.5	48.6	49.6	46.6	60.3	51.9	57.5	57.9	53.2
	CV (%)	3.8	1.8	3.3	4.8	8.4	1.8	3.0	3.2	4.5
	F (Prob)	0.01	0.06	0	0.21	0.2	0	0.02	0.01	0
	CD (5%)	3.5	1.5	2.8	3.8	8.6	1.6	3.0	3.2	1.4
	CD (1%)	4.7	2.0	3.8	5.2	11.7	2.2	4.0	4.3	1.8

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TABLE No. 8: (Contd.) Days to 50% Silking										
Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalayani	Koraput	Ranchi	Sabour	Varanasi	Zone-III
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 8174 (IQ8319)	56.7	51.7	53.0	47.0	63.7	55.0	60.7	59.7	55.9
2	DKC 9179 (IQ8627)	53.3	52.3	51.3	47.3	65.3	55.0	62.3	60.0	55.9
3	IMH 1527	55.0	51.3	52.7	49.7	63.0	55.0	61.0	60.7	56.0
4	IMHBG-2016-6	57.7	51.3	55.3	49.0	64.0	58.0	63.3	61.0	57.5
5	JH 13347	51.3	49.7	51.0	46.0	60.7	51.0	59.0	57.7	53.3
6	JKMH 4103	52.0	52.0	47.0	47.0	60.7	53.7	58.7	55.7	53.3
7	VaMH 12014	54.3	52.0	50.3	45.7	62.3	55.0	61.3	62.7	55.5
8	BIO 9544 (C)	58.0	52.3	54.0	49.7	61.7	58.0	62.0	63.3	57.4
9	Bio 9637(C)	56.0	51.0	54.0	50.0	65.7	55.7	63.7	61.7	57.2
10	CMH 08-292 (C)	56.3	52.0	50.0	47.0	63.3	54.0	61.0	59.7	55.4
11	PMH4 (C)	55.3	51.7	48.7	49.3	60.3	51.7	62.3	59.7	54.9
	Location Mean	55.1	51.6	51.6	48.0	62.8	54.7	61.4	60.2	55.7
	CV (%)	3.6	1.8	5.8	5.1	2.2	1.2	2.8	3.1	3.4
	F (Prob)	0.01	0.07	0.07	0.32	0	0	0.04	0	0
	CD (5%)	3.4	1.5	5.1	4.2	2.4	1.1	3.0	3.1	1.1
	CD (1%)	4.7	2.1	6.9	5.7	3.2	1.5	4.0	4.3	1.4
Days to 75% Dry Husk										
Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalayani	Koraput	Ranchi	Sabour	Varanasi	Zone-III
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 8174 (IQ8319)	93.7	88.0	87.0	118.3	113.0	93.0	93.3	97.0	97.9
2	DKC 9179 (IQ8627)	89.3	87.7	86.0	119.0	112.0	93.0	89.0	95.3	96.4
3	IMH 1527	93.7	87.7	81.7	117.7	111.3	92.3	88.3	91.3	95.5
4	IMHBG-2016-6	93.7	87.3	82.7	120.7	110.7	94.7	91.0	95.7	97.0
5	JH 13347	87.3	86.0	79.7	117.0	107.7	89.3	89.3	92.0	93.5
6	JKMH 4103	86.3	87.0	78.0	117.7	106.3	91.3	87.0	93.7	93.4
7	VaMH 12014	90.7	87.0	81.0	116.0	107.3	94.3	89.7	95.7	95.2
8	BIO 9544 (C)	95.0	87.3	89.3	119.3	113.0	95.0	92.7	98.3	98.8
9	Bio 9637(C)	93.4	87.7	88.7	119.3	113.3	92.3	93.3	98.3	98.3
10	CMH 08-292 (C)	88.0	87.7	80.0	119.3	111.7	91.7	88.7	93.3	95.0
11	PMH4 (C)	89.7	87.0	82.3	119.0	110.7	88.0	93.3	94.3	95.5
	Location Mean	90.9	87.3	83.3	118.5	110.6	92.3	90.5	95.0	96.1
	CV (%)	2.3	1.2	3.2	3.0	3.2	1.2	2.7	3.1	2.7
	F (Prob)	0	0.58	0	0.93	0.25	0	0.03	0.1	0
	CD (5%)	3.6	1.7	4.5	6.1	6.1	1.8	4.2	5.0	1.5
	CD (1%)	4.9	2.4	6.2	8.3	8.3	2.5	5.7	6.8	2.0

TABLE No. 8: (Contd.)		Plant Height(cm)								
Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalayani	Koraput	Ranchi	Sabour	Varanasi	Zone-III
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 8174 (IQ8319)	184.5	192.0	201.7	225.3	226.3	204.2	176.3	200.4	201.4
2	DKC 9179 (IQ8627)	200.1	186.0	187.7	227.3	241.3	196.1	182.3	192.5	201.7
3	IMH 1527	201.7	190.7	191.3	232.7	209.3	197.5	192.3	186.3	200.2
4	IMHBG-2016-6	215.4	188.7	219.3	226.0	228.0	212.9	204.3	213.8	213.6
5	JH 13347	186.2	190.0	175.7	242.7	221.7	182.6	169.7	190.0	194.8
6	JKMH 4103	180.1	187.7	185.7	233.3	194.3	191.4	160.3	181.7	189.3
7	VaMH 12014	209.2	197.0	204.3	221.0	240.7	211.7	197.3	176.3	207.2
8	BIO 9544 (C)	168.3	193.0	162.0	216.0	207.7	177.9	160.0	157.1	180.3
9	Bio 9637(C)	183.5	191.3	188.0	246.0	226.3	195.3	157.7	172.9	195.2
10	CMH 08-292 (C)	206.0	194.7	208.3	214.7	255.3	207.3	183.7	202.9	209.1
11	PMH4 (C)	151.0	192.3	168.7	216.0	199.0	171.9	154.3	167.9	177.6
	Location Mean	189.9	191.2	190.2	227.4	222.7	195.4	176.2	185.6	197.4
	CV (%)	5.9	2.4	4.7	6.6	7.5	3.9	6.1	6.0	5.7
	F (Prob)	0	0.25	0	0.21	0	0	0	0	0
	CD (5%)	19.2	7.8	15.2	25.4	28.4	13.0	18.3	19.0	6.6
	CD (1%)	26.2	10.7	20.7	34.7	38.7	17.8	25.0	25.9	8.7
		Ear Height(cm)								
Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalayani	Koraput	Ranchi	Sabour	Varanasi	Zone-III
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 8174 (IQ8319)	81.5	94.3	111.0	111.3	105.0	99.5	102.3	110.8	102.0
2	DKC 9179 (IQ8627)	91.0	89.3	84.7	109.0	109.7	89.5	86.3	99.2	94.8
3	IMH 1527	96.7	92.7	87.7	107.3	87.3	86.3	95.3	98.8	94.0
4	IMHBG-2016-6	103.7	92.7	106.7	111.3	109.0	91.6	97.0	107.1	102.4
5	JH 13347	86.0	89.3	83.7	113.3	101.7	83.0	84.5	105.4	93.4
6	JKMH 4103	84.5	90.7	88.7	106.3	90.3	82.1	66.0	91.3	87.5
7	VaMH 12014	95.7	93.7	95.7	111.7	114.3	94.1	85.7	82.5	96.7
8	BIO 9544 (C)	78.0	92.0	84.7	108.7	97.3	87.6	82.0	86.7	89.6
9	Bio 9637(C)	80.2	93.3	95.7	112.7	104.0	84.1	73.0	84.2	90.8
10	CMH 08-292 (C)	106.2	92.3	107.0	111.3	138.0	97.5	103.0	108.8	108.0
11	PMH4 (C)	69.9	93.7	83.3	113.0	90.3	81.5	69.0	88.8	86.2
	Location Mean	88.7	92.2	93.5	110.6	104.3	88.8	85.8	96.7	95.1
	CV (%)	12.8	2.0	8.8	3.9	7.6	6.1	10.2	10.1	8.1
	F (Prob)	0.02	0.04	0	0.54	0	0	0	0.01	0
	CD (5%)	19.3	3.2	14.1	7.3	13.5	9.3	14.9	16.5	4.5
	CD (1%)	26.4	4.4	19.2	9.9	18.4	12.6	20.3	22.6	5.9

TABLE No. 9: Trial No. 67 (Early Maturity) AVT1		Yield(kg/ha)																	
Sl. No.	Entry Name	Bhiraich		Bhubaneswar		Dholi		Kalyani		Koraput		Ranchi		Sabour		Varanasi		Zone-III	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	JH 31816	6340	3	5858	2	6167	6	5817	3	5604	6	4492	4	3606	4	6217	5	5512	6
2	BIO9544 (Filler)	6144	5	5435	5	6635	5	5708	4	10042	1	5450	3	5870	1	8315	1	6700	1
3	SeedTech2324(F)	6443	2	5150	7	6755	3	6213	1	8704	2	4320	6	4288	3	7967	2	6230	3
4	Bio9682(Filler)	6262	4	5567	4	7991	1	5357	7	8001	5	6749	1	4344	2	7568	3	6480	2
5	DKC 7074 (C)	5782	6	5953	1	5859	7	6046	2	8235	4	4487	5	3596	5	6187	6	5768	5
6	PMH5 (C)	5274	7	5302	6	6715	4	5380	6	2882	7	4246	7	3361	7	4308	7	4684	7
7	BIO605 (C)	7067	1	5735	3	7089	2	5382	5	8571	3	5681	2	3522	6	6669	4	6215	4
	Location Mean	6187	.	5572	.	6744	.	5701	.	7434	.	5061	.	4084	.	6747	.	5941	.
	CV (%)	15.7	.	6.3	.	17.2	.	13.1	.	15.6	.	15.9	.	14.5	.	5.9	.	13.9	.
	F (Prob)	0.47	.	0.12	.	0.45	.	0.7	.	0	.	0.02	.	0	.	0	.	0	.
	CD (5%)	1723	.	622	.	2063	.	1329	.	2058	.	1427	.	1053	.	712	.	473	.
	CD (1%)	2416	.	872	.	2893	.	1864	.	2885	.	2001	.	1477	.	997	.	627	.

TABLE No. 9: (Contd.)

Plant Stand('000/ha)

Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalyani	Koraput	Ranchi	Sabour	Varanasi	Zone-III
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31816	62.9	74.3	111.1	87.2	77.4	73.1	60.1	64.6	76.3
2	BIO9544 (Filler)	62.5	75.0	107.2	86.5	83.7	71.5	69.1	68.4	78.0
3	SeedTech2324(F)	61.5	74.7	112.2	84.4	79.2	72.8	60.1	66.7	76.4
4	Bio9682(Filler)	66.0	77.1	103.9	84.4	82.6	76.9	64.2	68.1	77.9
5	DKC 7074 (C)	60.8	76.0	105.0	83.3	83.7	74.4	63.5	67.7	76.8
6	PMH5 (C)	65.6	73.6	110.6	85.4	75.4	77.9	59.7	67.4	76.9
7	BIO605 (C)	60.4	75.0	107.2	88.9	78.1	72.1	51.4	68.1	75.2
	Location Mean	62.8	75.1	108.2	85.7	80.0	74.1	61.2	67.3	76.8
	CV (%)	3.6	2.6	3.4	3.0	3.6	5.2	10.3	3.2	4.5
	F (Prob)	0.06	0.45	0.11	0.21	0.02	0.37	0.11	0.39	0.09
	CD (5%)	4.0	3.5	6.5	4.6	5.1	6.9	11.2	3.8	2.0
	CD (1%)	5.7	4.9	9.1	6.4	7.2	9.7	15.6	5.3	2.6

Shelling(%)

Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalyani	Koraput	Ranchi	Sabour	Varanasi	Zone-III
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31816	77.1	79.3	78.0	80.7	84.1	81.2	76.4	76.9	79.2
2	BIO9544 (Filler)	76.9	75.0	72.0	82.9	82.0	86.0	80.1	75.2	79.3
3	SeedTech2324(F)	80.3	78.8	76.0	82.0	82.3	86.0	78.3	74.7	79.8
4	Bio9682(Filler)	78.4	78.7	80.0	78.8	80.9	84.9	77.2	73.0	79.0
5	DKC 7074 (C)	77.9	79.7	80.5	82.6	81.5	82.6	74.4	73.5	79.1
6	PMH5 (C)	75.0	80.1	75.5	83.0	81.6	84.6	76.2	73.2	78.6
7	BIO605 (C)	80.2	79.8	79.5	83.4	82.6	85.2	77.2	75.7	80.4
	Location Mean	78.0	79.5	77.4	81.9	82.1	84.3	77.1	74.6	79.4
	CV (%)	2.7	1.5	1.8	6.9	2.1	2.8	4.5	0.9	3.4
	F (Prob)	0.09	0.73	0.00	0.95	0.45	0.18	0.59	0.00	0.33
	CD (5%)	3.7	2.1	2.5	10.0	3.1	4.1	6.1	1.2	1.5
	CD (1%)	5.2	2.9	3.5	14.1	4.4	5.8	8.6	1.7	2.0

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TABLE No. 9: (Contd.)		Moisture(%)								
Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalyani	Koraput	Ranchi	Sabour	Varanasi	Zone-III
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31816	21.5	18.6	23.6	20.0	24.3	26.4	34.2	29.0	24.7
2	BIO9544 (Filler)	23.3	75.0	28.3	20.0	29.6	25.8	36.3	33.3	26.9
3	SeedTech2324(F)	24.8	18.8	26.6	20.0	28.6	27.1	33.9	33.4	26.6
4	Bio9682(Filler)	23.4	18.7	22.4	20.0	27.6	28.2	35.9	31.5	26.0
5	DKC 7074 (C)	23.0	18.7	21.1	20.0	28.0	26.5	35.5	30.2	25.4
6	PMH5 (C)	19.5	18.6	22.2	20.0	16.4	24.4	31.8	25.6	22.3
7	BIO605 (C)	22.7	18.6	26.3	20.0	28.0	27.1	33.7	30.6	25.9
	Location Mean	22.6	18.6	24.3	20.0	26.1	26.5	34.5	30.5	25.4
	CV (%)	2.0	1.0	6.8	0.0	1.9	4.7	9.2	3.0	5.3
	F (Prob)	0.00	0.75	0.00	.	0.00	0.06	0.64	0.00	0.00
	CD (5%)	0.8	0.3	2.9	0.0	0.9	2.2	5.6	1.6	0.8
	CD (1%)	1.2	0.5	4.1	0.0	1.2	3.1	7.9	2.3	1.0
Days to 50% Pollen Shed										
Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalyani	Koraput	Ranchi	Sabour	Varanasi	Zone-III
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31816	45.3	43.3	49.3	49.3	57.3	49.0	53.3	57.3	50.5
2	BIO9544 (Filler)	51.3	75.0	55.0	52.0	60.3	51.7	57.7	59.3	54.3
3	SeedTech2324(F)	51.7	45.0	53.0	52.7	60.7	52.3	57.3	58.7	53.9
4	Bio9682(Filler)	50.3	47.3	55.0	52.7	61.3	51.0	59.7	59.0	54.5
5	DKC 7074 (C)	47.0	43.7	51.7	51.0	60.0	49.0	55.3	56.7	51.8
6	PMH5 (C)	44.3	42.7	47.3	49.7	55.3	47.7	51.3	50.0	48.5
7	BIO605 (C)	47.7	45.3	53.0	51.3	60.0	49.0	57.0	58.7	52.8
	Location Mean	48.2	44.9	52.1	51.2	59.3	50.0	56.0	57.1	52.3
	CV (%)	2.4	2.4	4.8	2.0	1.7	1.6	4.0	1.8	2.8
	F (Prob)	0.00	0.00	0.02	0.01	0.00	0.00	0.01	0.00	0.00
	CD (5%)	2.1	1.9	4.4	1.9	1.8	1.4	4.0	1.9	0.9
	CD (1%)	2.9	2.7	6.2	2.6	2.6	2.0	5.6	2.6	1.1

TABLE No. 9: (Contd.)

Days to 50% Silking

Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalyani	Koraput	Ranchi	Sabour	Varanasi	Zone-III
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31816	47.0	46.3	50.3	51.0	60.0	51.0	58.7	59.7	53.0
2	BIO9544 (Filler)	52.3	75.0	56.3	53.0	63.0	56.0	62.3	62.3	56.8
3	SeedTech2324(F)	53.3	47.3	55.3	53.7	64.0	56.0	61.7	62.0	56.7
4	Bio9682(Filler)	51.7	50.3	56.7	54.7	64.3	56.0	64.7	61.0	57.4
5	DKC 7074 (C)	48.3	46.3	53.3	51.7	63.0	53.0	59.3	59.0	54.3
6	PMH5 (C)	46.0	45.7	48.7	50.7	58.0	50.0	53.7	54.0	50.8
7	BIO605 (C)	49.3	47.3	55.0	52.7	62.0	53.0	61.7	61.7	55.3
	Location Mean	49.7	47.4	53.7	52.5	62.1	53.6	60.3	60.0	54.9
	CV (%)	2.6	2.5	5.1	2.4	1.6	1.2	2.2	1.8	2.6
	F (Prob)	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00
	CD (5%)	2.3	2.1	4.9	2.3	1.7	1.2	2.3	1.9	0.8
	CD (1%)	3.2	2.9	6.9	3.2	2.4	1.6	3.3	2.6	1.1

Days to 75% Dry Husk

Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalyani	Koraput	Ranchi	Sabour	Varanasi	Zone-III
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31816	78.0	82.3	83.3	90.3	96.7	89.0	88.0	93.7	87.7
2	BIO9544 (Filler)	79.3	75.0	88.3	89.0	105.3	93.0	95.7	99.0	91.6
3	SeedTech2324(F)	81.0	83.0	86.0	88.7	102.3	93.3	92.0	97.7	90.5
4	Bio9682(Filler)	80.0	87.0	86.3	91.3	101.7	94.0	96.0	101.7	92.3
5	DKC 7074 (C)	77.7	83.3	83.0	88.0	100.3	90.3	89.0	93.7	88.2
6	PMH5 (C)	76.7	80.7	82.3	89.0	90.7	84.7	87.0	89.7	85.1
7	BIO605 (C)	80.0	82.7	83.7	92.0	98.3	91.3	89.3	97.0	89.3
	Location Mean	79.0	83.2	84.7	89.8	99.3	90.8	91.0	96.1	89.2
	CV (%)	2.4	1.2	2.9	2.9	1.7	1.5	2.2	1.8	2.1
	F (Prob)	0.14	0.00	0.10	0.47	0.00	0.00	0.00	0.00	0.00
	CD (5%)	3.4	1.7	4.4	4.6	3.0	2.4	3.6	3.1	1.1
	CD (1%)	4.7	2.4	6.2	6.4	4.2	3.4	5.0	4.4	1.4

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TABLE No. 9: (Contd.)		Plant Height								
Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalyani	Koraput	Ranchi	Sabour	Varanasi	Zone-III
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31816	200.6	168.3	174.3	175.7	189.3	175.9	155.3	179.2	177.3
2	BIO9544 (Filler)	156.2	75.0	160.0	174.5	201.7	165.7	155.0	172.5	169.9
3	SeedTech2324(F)	172.3	175.7	172.3	181.4	210.3	176.1	160.3	175.0	177.9
4	Bio9682(Filler)	169.8	162.0	160.7	179.4	220.0	169.2	156.0	168.3	173.2
5	DKC 7074 (C)	153.5	167.3	159.0	170.2	207.3	159.9	147.0	164.2	166.1
6	PMH5 (C)	170.7	173.3	168.3	182.7	209.0	173.1	164.7	163.3	175.6
7	BIO605 (C)	199.3	169.3	185.0	176.6	228.0	188.0	158.7	185.8	186.4
	Location Mean	174.6	169.9	168.5	177.2	209.4	172.5	156.7	172.6	175.2
	CV (%)	5.0	1.7	7.5	3.2	8.4	4.8	7.7	5.1	6.0
	F (Prob)	0.00	0.00	0.20	0.19	0.26	0.03	0.71	0.08	0.00
	CD (5%)	15.7	5.2	22.4	10.0	31.3	14.7	21.5	15.6	6.0
	CD (1%)	21.9	7.3	31.4	14.0	43.9	20.6	30.1	21.9	7.9
		Ear Height								
Sl. No.	Entry Name	Bahraich	Bhubaneswar	Dholi	Kalyani	Koraput	Ranchi	Sabour	Varanasi	Zone-III
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31816	86.0	78.7	82.0	66.7	86.0	69.6	62.7	90.8	77.8
2	BIO9544 (Filler)	73.6	75.0	88.0	66.3	98.0	69.7	84.4	103.3	83.3
3	SeedTech2324(F)	82.6	84.7	111.0	65.3	101.7	78.6	78.3	108.3	88.8
4	Bio9682(Filler)	81.4	73.3	87.7	70.3	109.3	68.3	77.7	96.7	83.1
5	DKC 7074 (C)	72.5	83.0	80.0	66.4	97.3	67.8	69.7	95.8	79.1
6	PMH5 (C)	79.1	83.3	85.3	67.7	85.0	70.4	72.7	87.5	78.9
7	BIO605 (C)	92.6	79.3	97.7	68.0	97.7	75.7	73.3	101.7	85.8
	Location Mean	81.1	80.7	90.2	67.3	96.4	71.5	74.1	97.7	82.4
	CV (%)	13.1	5.6	10.7	7.6	5.6	9.8	12.9	8.5	9.5
	F (Prob)	0.33	0.11	0.03	0.92	0.00	0.46	0.23	0.10	0.00
	CD (5%)	18.9	8.0	17.2	9.1	9.6	12.5	17.0	14.7	4.5
	CD (1%)	26.4	11.2	24.1	12.7	13.4	17.5	23.8	20.6	5.9

TABLE No. 10: Trial No. 65,69 (Late Maturity) AVT-I-II

Yield (kg/ha)

Sl. No.	Entry Name	Arabhavi		Coimbatore		Devihosur		Dharwad		Dharwad_New		Dhule		Hyderabad		Karimnagar		Kolhapur		Mandya		Niphad_Nasik		Parbhani		Sehgal_Foundation		Zone-IV	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	ADV 7022	9782	5	11757	1	9500	1	7880	7	13225	1	11612	1	12489	2	10835	5	5869	8	8885	3	6935	1	10044	5	6714	3	9358	2
2	BIO 716	10637	2	9425	10	7982	6	7206	9	12146	4	11398	5	11564	5	11679	1	6477	7	9286	2	6622	4	10151	3	7311	1	9145	3
3	DKC 9178 (IQ8623)	10573	3	10739	2	8165	5	8205	4	11308	8	11079	7	12526	1	11391	3	7366	3	9522	1	5837	#	10064	4	7065	2	9378	1
4	GK 3202	10054	4	10498	4	8220	4	8144	5	10935	9	10459	9	10568	6	10816	6	5579	9	8150	9	6307	7	10315	2	5824	7	8745	7
5	BIO 9681 (C)	9683	6	10533	3	7542	9	7967	6	11834	7	11378	6	10547	7	11572	2	7099	5	8460	6	6831	2	9734	9	5769	8	8926	6
6	BIO 9682 (C)	9204	7	10107	5	9198	2	8571	3	12728	3	11493	3	12292	3	10641	8	6866	6	8265	8	6152	9	10037	6	5956	5	9065	4
7	CMH 08-282 (C)	9054	9	9500	9	7534	10	8744	1	10612	10	10308	10	11584	4	10642	7	7147	4	8484	5	6455	6	9788	8	5377	9	8718	8
8	CMH 08-287 (C)	10662	1	9746	7	7709	7	7532	8	13083	2	10466	8	9589	9	10305	9	5529	10	8513	4	6230	8	10464	1	6260	4	8584	9
9	PMH 1 (C)	9200	8	9954	6	9183	3	8724	2	12030	6	11527	2	9850	8	11260	4	7656	2	8114	10	6550	5	9597	10	5836	6	8954	5
10	Seed Tech 2324 (C)	8149	10	9735	8	7706	8	6302	10	12078	5	11448	4	8927	10	10092	10	7720	1	8290	7	6742	3	10010	7	5044	10	8347	10
	Location Mean	9700	.	10200	.	8274	.	7927	.	11998	.	11117	.	10994	.	10923	.	6731	.	8597	.	6466	.	10020	.	6116	.	8706	.
	CV (%)	8.5	.	7.7	.	18.3	.	10.3	.	13.8	.	12.6	.	6.3	.	6.7	.	18.3	.	6.9	.	7.5	.	7.3	.	9.8	.	10.6	.
	F (Prob)	0.02	.	0.05	.	0.68	.	0.04	.	0.6	.	0.92	.	0	.	0.19	.	0.28	.	0.1	.	0.23	.	0.93	.	0	.	0	.
	CD (5%)	1413	.	1355	.	2596	.	1405	.	2849	.	2396	.	1182	.	1260	.	2112	.	1017	.	826	.	1257	.	1022	.	429	.
	CD (1%)	1936	.	1856	.	3557	.	1925	.	3903	.	3283	.	1619	.	1727	.	2893	.	1394	.	1132	.	1722	.	1401	.	565	.

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TABLE No. 10: (Contd.)		Plant Stand ('000/ha)													
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Na sik	Parbhani	Sehgal_Foun dation	Zone
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7022	81.7	64.4	49.5	59.7	61.8	65.4	78.7	77.3	52.0	74.2	63.0	65.6	41.3	64.4
2	BIO 716	77.6	65.3	47.9	57.2	65.5	65.9	61.8	76.2	54.3	67.2	60.6	65.2	40.6	61.6
3	DKC 9178 (IQ8623)	82.2	65.3	51.4	63.9	62.0	65.9	71.5	75.2	57.6	74.2	61.1	65.7	40.3	64.5
4	GK 3202	80.1	65.7	52.6	57.9	62.7	65.4	69.9	74.5	50.4	71.4	59.3	66.7	39.6	62.8
5	BIO 9681 (C)	79.2	64.4	53.7	57.6	57.9	65.4	63.9	74.1	58.7	76.7	59.8	66.1	40.6	63.3
6	BIO 9682 (C)	82.6	64.4	51.6	69.7	72.2	66.1	75.7	74.3	57.8	72.8	60.6	65.4	41.3	65.2
7	CMH 08-282 (C)	78.0	64.6	45.4	59.0	55.8	65.0	75.5	78.5	58.0	73.1	60.7	65.9	39.6	63.6
8	CMH 08-287 (C)	77.8	64.8	49.3	48.8	63.7	65.4	57.9	74.8	55.4	72.5	62.0	64.6	41.7	61.3
9	PMH 1 (C)	82.2	64.4	50.7	63.7	57.6	65.4	69.4	74.5	59.4	74.7	59.4	66.7	41.3	64.3
10	Seed Tech 2324 (C)	81.0	66.4	53.2	60.7	58.8	64.8	69.2	76.2	58.3	71.7	62.2	65.9	39.9	64.1
	Location Mean	80.2	65.0	50.5	59.8	61.8	65.5	69.4	75.6	56.2	72.8	60.9	65.8	40.6	61.8
	CV (%)	5.4	1.5	10.4	9.3	16.4	1.3	11.9	2.9	8.4	5.5	3.0	1.1	5.4	6.6
	F (Prob)	0.75	0.18	0.69	0.03	0.73	0.73	0.12	0.31	0.31	0.35	0.29	0.05	0.93	0
	CD (5%)	7.4	1.7	9.0	9.5	17.4	1.5	14.2	3.8	8.1	6.8	3.2	1.2	3.7	1.9
	CD (1%)	10.1	2.3	12.4	13.1	23.9	2.1	19.4	5.2	11.1	9.3	4.3	1.7	5.1	2.5
Shelling (%)															
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Na sik	Parbhani	Sehgal_Foun dation	Zone
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7022	87.1	80.1	80.5	88.2	86.0	78.6	81.3	80.2	81.8	84.1	76.0	78.9	83.3	81.7
2	BIO 716	88.5	80.2	80.8	86.5	82.6	79.9	79.0	79.0	82.1	81.2	77.5	80.0	84.8	81.6
3	DKC 9178 (IQ8623)	85.7	77.4	78.0	83.1	84.2	75.5	74.2	78.2	81.0	79.7	75.3	79.1	80.4	79.0
4	GK 3202	87.8	80.9	81.8	88.4	86.8	79.8	80.4	80.6	81.8	83.0	76.7	78.3	84.0	81.9
5	BIO 9681 (C)	88.0	80.0	80.2	85.7	85.4	78.5	77.8	80.6	79.2	81.1	78.2	78.0	84.6	81.0
6	BIO 9682 (C)	85.8	79.9	79.5	85.4	84.5	77.4	76.0	78.6	80.0	77.9	74.6	77.8	83.0	79.7
7	CMH 08-282 (C)	86.4	79.6	81.3	85.2	85.2	78.1	78.9	78.1	82.5	81.6	75.6	79.8	82.8	80.8
8	CMH 08-287 (C)	87.7	78.0	78.7	83.6	86.2	78.9	78.3	78.2	77.8	81.6	72.1	78.5	84.7	79.8
9	PMH 1 (C)	86.5	77.5	83.4	86.7	85.8	77.1	76.6	77.8	81.0	80.5	77.1	79.4	84.2	80.6
10	Seed Tech 2324 (C)	87.4	80.7	83.3	85.6	83.8	79.4	77.0	79.6	83.1	81.5	74.7	78.2	84.6	81.3
	Location Mean	87.1	79.4	80.7	85.8	85.1	78.3	77.9	79.1	81.0	81.2	75.8	78.8	83.6	81.0
	CV (%)	0.6	1.2	2.9	1.9	2.3	1.6	1.1	1.5	0.0	0.8	3.0	2.6	2.3	1.8
	F (Prob)	0	0	0.14	0.01	0.33	0.01	0	0.05	0	0	0.13	0.91	0.2	0
	CD (5%)	1.0	1.6	3.9	2.8	3.4	2.1	1.5	2.0	0.0	1.1	3.9	3.5	3.3	0.7
	CD (1%)	1.3	2.2	5.4	3.8	4.6	2.9	2.1	2.8	0.0	1.5	5.3	4.8	4.5	0.9

TABLE No. 10: (Contd.)		Moisture (%)													
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Nasik	Parbhani	Sehgal_Foundation	Zone
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7022	20.7	19.1	15.6	10.9	14.1	15.7	24.1	22.4	13.8	17.9	11.2	27.5	20.9	18.5
2	BIO 716	20.5	20.3	14.8	10.8	11.6	14.5	23.1	18.3	13.6	17.1	11.2	26.3	19.5	17.8
3	DKC 9178 (IQ8623)	21.3	21.3	16.7	12.1	14.0	16.4	23.7	23.1	13.8	16.9	11.0	25.6	20.2	18.7
4	GK 3202	19.3	18.8	14.5	12.0	16.2	18.2	23.2	18.3	14.2	16.8	10.8	27.1	19.1	17.6
5	BIO 9681 (C)	20.2	19.6	13.5	11.8	15.8	14.6	22.0	18.2	13.3	16.4	11.1	26.5	18.7	17.4
6	BIO 9682 (C)	20.6	19.7	15.1	11.4	18.0	12.7	21.6	20.7	12.9	16.7	11.2	27.0	19.2	17.8
7	CMH 08-282 (C)	21.0	19.7	14.9	11.5	18.3	13.5	21.4	22.1	13.7	16.2	11.0	25.7	19.9	17.9
8	CMH 08-287 (C)	19.1	21.7	14.6	11.8	16.7	16.5	23.4	21.1	13.3	16.2	11.2	26.6	18.7	18.0
9	PMH 1 (C)	19.5	19.7	15.6	12.1	13.9	13.7	21.8	20.5	14.1	15.9	11.5	25.7	16.2	17.5
10	Seed Tech 2324 (C)	19.1	19.6	14.4	11.6	13.7	16.8	22.3	20.8	14.0	16.5	11.5	26.8	16.4	17.5
	Location Mean	20.1	19.9	15.0	11.6	15.2	15.3	22.7	20.5	13.6	16.6	11.2	26.5	18.9	18.0
	CV (%)	3.1	4.0	7.2	3.9	8.7	25.0	3.2	7.8	3.8	2.8	2.0	2.8	8.8	5.0
	F (Prob)	0	0.01	0.12	0.01	0	0.77	0	0.01	0.13	0	0.04	0.08	0.05	0
	CD (5%)	1.1	1.4	1.9	0.8	2.3	6.6	1.3	2.8	0.9	0.8	0.4	1.3	2.9	0.4
	CD (1%)	1.5	1.9	2.5	1.1	3.1	9.0	1.7	3.8	1.2	1.1	0.5	1.7	3.9	0.6

Days to 50% Pollen Shed

Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Nasik	Parbhani	Sehgal_Foundation	Zone
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7022	61.0	57.0	72.7	64.5	61.7	54.0	58.7	60.0	57.3	58.7	61.7	57.7	55.0	59.9
2	BIO 716	59.0	54.7	75.7	64.5	60.3	55.3	56.3	57.7	55.3	56.3	62.0	56.7	53.0	58.9
3	DKC 9178 (IQ8623)	58.3	54.7	74.7	63.5	63.7	55.7	58.3	59.3	54.0	54.0	63.7	56.0	54.3	58.9
4	GK 3202	57.7	53.7	73.3	61.5	64.0	54.7	57.0	57.7	53.3	53.3	62.3	56.7	52.0	57.8
5	BIO 9681 (C)	58.7	54.3	74.7	64.0	61.0	54.0	56.7	56.3	54.7	54.3	60.7	58.3	64.0	59.2
6	BIO 9682 (C)	58.3	53.7	74.7	64.5	63.0	55.3	57.3	57.0	53.7	53.7	61.7	55.0	52.3	58.1
7	CMH 08-282 (C)	56.7	53.0	72.7	61.0	60.3	52.3	55.7	58.7	52.3	52.7	61.3	55.0	51.7	56.9
8	CMH 08-287 (C)	57.7	56.3	74.3	63.0	62.3	53.7	57.7	59.7	56.0	55.3	65.0	56.7	54.0	59.1
9	PMH 1 (C)	57.7	54.3	74.0	63.5	63.0	54.0	57.7	56.7	54.3	53.7	60.7	57.0	52.7	58.0
10	Seed Tech 2324 (C)	57.7	54.3	72.0	64.5	63.0	54.3	57.0	55.3	53.0	53.3	61.7	56.0	52.7	57.7
	Location Mean	58.3	54.6	73.9	63.5	62.2	54.3	57.2	57.8	54.4	54.5	62.1	56.5	54.2	58.0
	CV (%)	1.9	1.8	2.1	1.7	2.9	3.5	1.5	3.1	2.3	2.0	6.5	3.5	10.2	4.1
	F (Prob)	0.02	0	0.17	0.07	0.18	0.62	0.02	0.07	0	0	0.95	0.59	0.31	0
	CD (5%)	1.9	1.7	2.7	2.0	3.1	3.3	1.5	3.1	2.2	1.8	7.0	3.4	9.4	1.1
	CD (1%)	2.7	2.3	3.6	2.8	4.2	4.5	2.1	4.2	3.0	2.5	9.5	4.7	12.9	1.5

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TABLE No. 10: (Contd.)															
Days to 50% Silking															
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Nasik	Parbhani	Sehgal_Foundation	Zone
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7022	62.3	60.3	77.0	65.5	61.7	59.3	61.0	61.7	59.3	60.7	64.0	62.3	57.0	62.5
2	BIO 716	60.3	58.3	80.7	65.5	61.0	58.0	58.3	59.3	57.3	60.0	64.0	62.3	55.0	61.6
3	DKC 9178 (IQ8623)	61.3	58.0	78.3	64.5	64.3	58.7	60.7	61.3	56.0	57.3	65.0	61.3	56.3	61.6
4	GK 3202	58.7	56.7	78.0	62.5	64.7	58.7	58.0	59.3	55.3	58.3	64.0	62.0	54.0	60.5
5	BIO 9681 (C)	60.7	57.7	78.0	65.0	61.7	57.7	58.7	59.3	56.7	58.7	63.7	63.7	66.0	62.1
6	BIO 9682 (C)	59.3	56.7	77.7	66.0	63.7	58.7	58.7	59.0	55.7	57.7	64.0	60.3	54.3	60.7
7	CMH 08-282 (C)	58.3	55.7	77.0	62.0	61.0	57.0	57.3	60.7	54.3	56.3	62.7	60.3	53.7	59.6
8	CMH 08-287 (C)	58.7	59.3	78.0	64.5	63.3	59.3	60.3	62.0	58.0	57.3	67.3	62.0	56.0	61.9
9	PMH 1 (C)	58.3	57.3	77.0	65.0	63.7	58.0	59.3	59.0	56.3	55.7	63.3	62.3	54.7	60.5
10	Seed Tech 2324 (C)	58.7	57.7	75.7	66.0	63.0	58.0	58.0	58.0	55.0	56.7	62.7	61.3	54.7	60.2
	Location Mean	59.7	57.8	77.7	64.7	62.8	58.3	59.0	60.0	56.4	57.9	64.1	61.8	56.2	60.6
	CV (%)	2.7	1.7	2.3	1.5	4.0	2.4	1.7	2.8	2.2	2.6	6.2	3.3	9.8	4.0
	F (Prob)	0.06	0	0.19	0.02	0.54	0.59	0	0.12	0	0.01	0.95	0.69	0.31	0
	CD (5%)	2.7	1.7	3.0	1.8	4.3	2.4	1.7	2.9	2.2	2.6	6.8	3.5	9.4	1.1
	CD (1%)	3.8	2.3	4.2	2.6	5.8	3.3	2.4	4.0	3.0	3.5	9.3	4.9	12.9	1.5
Days to 75% Dry Husk															
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Nasik	Parbhani	Zone	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7022	106.3	97.3	110.7	107.0	91.0	114.0	106.3	101.3	103.3	98.7	111.3	113.7	105.9	
2	BIO 716	101.3	95.7	115.0	105.5	99.0	117.0	105.0	99.3	101.3	100.0	111.7	113.0	105.3	
3	DKC 9178 (IQ8623)	101.7	95.7	113.3	107.0	84.5	117.3	105.7	101.7	100.0	94.3	117.0	112.3	104.9	
4	GK 3202	102.7	95.0	111.3	106.0	98.0	116.0	103.3	100.0	99.3	99.0	111.7	114.3	104.7	
5	BIO 9681 (C)	101.3	95.0	113.0	104.0	110.8	115.7	103.0	100.3	100.7	95.7	112.3	114.3	104.3	
6	BIO 9682 (C)	102.3	95.3	112.0	106.5	96.2	117.3	101.7	99.0	99.7	97.0	112.0	113.0	104.4	
7	CMH 08-282 (C)	102.0	94.7	111.3	105.0	103.2	115.0	101.0	102.3	98.3	90.7	110.3	112.3	103.3	
8	CMH 08-287 (C)	101.3	97.0	112.7	106.5	111.0	115.7	104.7	102.0	102.0	91.7	461.7	112.7	104.6	
9	PMH 1 (C)	101.3	95.7	111.7	104.5	116.3	114.3	102.0	100.3	100.3	90.7	112.0	112.3	103.3	
10	Seed Tech 2324 (C)	99.3	95.3	110.3	106.0	99.8	116.0	103.3	100.0	99.0	95.3	109.0	112.3	103.7	
	Location Mean	102.0	95.7	112.1	105.8	101.0	115.8	103.6	100.6	100.4	95.3	146.9	113.0	104.4	
	CV (%)	2.8	1.0	2.0	0.6	13.1	1.9	1.3	1.7	1.3	2.2	129.0	1.8	1.8	
	F (Prob)	0.39	0.04	0.34	0.01	0.19	0.59	0	0.32	0	0	0.46	0.86	0	
	CD (5%)	5.0	1.6	3.8	1.1	22.7	3.8	2.3	3.0	2.2	3.6	325.1	3.4	1.0	
	CD (1%)	6.8	2.2	5.2	1.6	31.1	5.2	3.2	4.1	3.0	4.9	445.5	4.7	1.3	

TABLE No. 10: (Contd.)		Plant Height (cm)													
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Nasik	Parbhani	Sehgal_Foundation	Zone
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7022	203.5	174.5	238.5	172.1	107.7	272.8	236.1	170.0	210.0	237.7	213.0	241.1	246.0	217.9
2	BIO 716	210.0	192.0	236.1	169.6	103.3	279.4	245.3	185.3	230.0	241.0	208.3	246.1	242.0	223.8
3	DKC 9178 (IQ8623)	216.0	190.2	236.8	195.4	103.7	277.9	242.9	187.3	220.0	249.7	208.0	261.1	240.7	227.2
4	GK 3202	206.0	178.9	234.5	184.6	107.3	269.9	231.2	167.3	220.0	247.0	214.0	247.8	240.0	220.1
5	BIO 9681 (C)	217.0	188.3	247.6	175.7	105.0	286.4	260.8	183.0	230.0	250.0	210.3	262.2	249.3	230.1
6	BIO 9682 (C)	202.0	188.0	250.9	172.6	106.3	263.9	229.8	165.0	196.7	248.7	195.0	223.3	225.0	213.4
7	CMH 08-282 (C)	228.5	193.3	251.5	194.3	106.0	288.7	256.7	192.0	220.0	245.3	216.3	254.4	248.7	232.5
8	CMH 08-287 (C)	235.0	196.4	247.9	184.1	105.7	279.7	260.0	197.0	233.3	252.7	209.3	262.8	246.0	233.7
9	PMH 1 (C)	214.5	186.2	245.8	174.3	111.3	296.1	247.6	182.3	226.7	255.0	220.3	256.1	244.3	229.1
10	Seed Tech 2324 (C)	196.5	145.6	226.5	152.1	104.0	260.3	215.5	150.3	193.3	239.3	200.0	233.3	234.0	203.9
	Location Mean	212.9	183.3	241.6	177.5	106.0	277.5	242.6	178.0	218.0	246.6	209.5	248.8	241.6	224.9
	CV (%)	5.0	9.7	5.9	7.8	3.2	6.3	2.9	4.7	6.5	5.7	4.5	4.2	3.1	5.6
	F (Prob)	0.09	0.09	0.46	0.04	0.22	0.33	0	0	0.03	0.85	0.12	0	0.02	0
	CD (5%)	19.5	30.4	24.4	23.8	5.7	29.8	12.0	14.5	24.3	23.9	16.2	17.8	12.6	6.0
	CD (1%)	27.9	41.6	33.4	32.6	7.9	40.9	16.5	19.8	33.3	32.8	22.2	24.3	17.3	7.9
		Ear Height (cm)													
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Nasik	Parbhani	Sehgal_Foundation	Zone
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7022	104.0	89.8	117.1	90.6	189.8	118.9	96.4	91.7	101.7	121.0	51.7	118.3	133.0	102.8
2	BIO 716	106.5	95.5	114.8	80.3	205.3	122.2	108.9	91.0	118.3	124.0	49.0	123.3	131.0	105.4
3	DKC 9178 (IQ8623)	107.5	94.3	112.4	83.7	184.0	115.9	95.7	92.3	103.3	130.3	51.3	133.3	134.0	104.5
4	GK 3202	98.5	86.9	111.3	87.6	204.2	119.2	90.5	85.7	106.7	124.3	57.4	124.4	125.0	101.5
5	BIO 9681 (C)	105.5	98.2	118.5	87.3	231.5	119.7	110.3	87.7	108.3	127.3	50.0	126.1	131.7	105.9
6	BIO 9682 (C)	109.0	87.1	115.9	85.7	201.2	122.8	100.8	88.7	110.0	125.7	49.0	122.2	126.0	103.6
7	CMH 08-282 (C)	120.5	100.7	123.8	104.2	213.8	132.5	116.7	102.3	111.7	123.7	52.0	128.9	137.3	112.9
8	CMH 08-287 (C)	134.5	99.4	126.3	93.0	212.7	134.2	128.7	104.3	126.7	135.0	50.3	130.6	133.3	116.4
9	PMH 1 (C)	121.0	97.9	123.2	92.3	221.3	145.6	112.1	100.3	128.3	128.3	50.0	136.7	142.3	114.8
10	Seed Tech 2324 (C)	108.5	78.2	102.7	77.7	221.8	124.1	98.3	84.0	106.7	113.7	50.7	141.7	162.3	104.1
	Location Mean	111.6	92.8	116.6	88.2	208.6	125.5	105.8	92.8	112.2	125.3	51.1	128.6	135.6	109.3
	CV (%)	7.8	8.9	9.3	10.3	11.7	7.6	6.3	5.6	13.5	9.9	11.8	6.8	11.7	9.4
	F (Prob)	0.06	0.07	0.33	0.1	0.42	0.03	0	0	0.39	0.75	0.87	0.1	0.28	0
	CD (5%)	16.1	14.2	18.5	15.7	41.9	16.5	11.5	8.8	26.0	21.2	10.4	15.0	27.2	4.9
	CD (1%)	23.2	19.5	25.4	21.5	57.4	22.5	15.7	12.1	35.6	29.1	14.2	20.6	37.2	6.4

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TABLE No. 11: Trial No. 66 (Medium Maturity) AVT1

Yield(kg/ha)

Sl. No	Entry Name	Arabhavi		Coimbatore		Devihosur		Dharwad		Dharwad _New		Dhule		Hyderabad		Karimnagar		Kolhapur		Mandya		Niphad_ Nasik		Parbhani		Rahuri		Sehgal_Fo undation		Vagarai		Zone-IV	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	DKC 9179 (IQ8627)	11995	1	11916	1	9433	1	9281	2	14579	1	14240	1	11318	2	9308	4	7450	1	8696	2	7837	1	9629	4	11901	1	6705	2	10257	2	10051	1
2	JKMh 4157	11400	2	10746	4	8534	3	7975	5	11739	6	11866	2	11766	1	8860	7	7296	2	8757	1	6607	5	9584	5	11133	4	6609	3	8399	4	9283	2
3	OMH 14-18(CAH 151)	9666	5	10369	5	8280	4	9613	1	12048	4	10379	5	10480	4	9678	3	6417	3	8126	3	6733	2	9921	1	9301	6	5902	6	8030	6	8709	4
4	BLH 111	8956	6	10875	3	6047	6	7027	6	14144	2	11277	4	10885	3	10394	1	5109	5	8057	4	6496	6	9887	2	11659	2	6851	1	8727	3	8604	5
5	BIO 9544 (C)	9965	4	10936	2	8084	5	8934	4	11995	5	11453	3	9379	5	10147	2	4821	6	7006	6	6611	4	9188	6	11576	3	5951	5	10877	1	8829	3
6	CMH 08-292 (C)	10218	3	10276	6	8997	2	9167	3	12072	3	10373	6	8941	7	9148	6	5740	4	6681	7	6637	3	8828	7	10811	5	6229	4	8392	5	8561	6
7	DHM 121 (C)	.	.	9503	7	5609	7	6986	7	9505	7	7456	7	9159	6	9164	5	4678	7	7237	5	6057	7	9735	3	8924	7	5198	7	6667	7	.	.
	Location Mean	10367	.	10741	.	8065	.	8579	.	12434	.	11147	.	10395	.	9554	.	5930	.	7794	.	6711	.	9539	.	10758	.	6206	.	8878	.	8623	.
	CV (%)	8.6	.	7.3	.	13.9	.	10.0	.	13.6	.	9.6	.	7.3	.	22.7	.	17.3	.	8.2	.	10.7	.	4.4	.	15.5	.	7.6	.	12.0	.	10.3	.
	F (Prob)	0.02	.	0.12	.	0.04	.	0.03	.	0.10	.	0.00	.	0.01	.	0.97	.	0.02	.	0.01	.	0.20	.	0.07	.	0.25	.	0.00	.	0.02	.	0.00	.
	CD (5%)	1615	.	1406	.	2035	.	1552	.	3042	.	1913	.	1386	.	3903	.	1823	.	1142	.	1278	.	743	.	2962	.	781	.	1909	.	391	.
	CD (1%)	2297	.	1984	.	2895	.	2208	.	4292	.	2699	.	1971	.	5508	.	2556	.	1600	.	1791	.	1041	.	4153	.	1050	.	2694	.	516	.

TABLE No. 11: (Contd.)		Plant Stand('000/ha)															
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_ New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_ Nasik	Parbhani	Rahuri	Sehgal_ F oundatio n	Vagarai	Zone-IV
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 9179 (IQ8627)	79.2	64.4	48.2	64.8	78.2	65.2	78.9	74.3	60.4	72.7	63.2	65.4	62.2	42.0	79.6	65.7
2	JKMH 4157	74.1	65.3	53.9	54.9	59.0	65.9	75.9	63.9	59.1	75.0	61.5	65.0	52.6	38.5	76.2	63.0
3	OMH 14-18(CAH 151)	76.6	64.1	51.2	64.1	69.4	65.9	79.9	69.9	55.2	74.3	60.7	64.6	62.4	43.8	74.8	64.8
4	BLH 111	71.1	65.5	51.4	54.4	62.5	65.9	75.0	69.4	52.4	63.9	61.9	65.4	60.2	40.3	77.8	62.5
5	BIO 9544 (C)	72.7	64.1	46.8	60.0	63.7	66.7	68.5	71.1	50.0	71.8	60.7	64.8	63.5	40.3	78.7	62.8
6	CMH 08-292 (C)	74.3	64.4	50.2	63.2	69.2	66.3	76.2	60.4	52.6	69.9	63.9	64.3	60.0	41.0	76.9	63.1
7	DHM 121 (C)	53.9	64.5	40.6	25.9	59.4	64.9	74.6	73.4	50.0	66.7	62.8	64.8	56.5	38.9	43.6	55.7
	Location Mean	73.7	64.6	49.7	56.5	65.8	65.9	75.7	68.6	54.2	70.6	62.1	64.9	59.6	40.7	73.9	61.3
	CV (%)	6.2	1.4	11.7	19.4	9.1	1.7	5.8	19.5	5.3	5.5	3.5	1.7	8.1	4.1	3.9	8.6
	F (Prob)	0.03	0.36	0.54	0.04	0.03	0.64	0.14	0.86	0.00	0.04	0.50	0.87	0.16	0.00	0.00	0.00
	CD (5%)	8.3	1.6	10.5	19.7	10.8	2.1	7.9	24.0	5.2	6.9	3.9	2.0	8.6	2.8	5.2	2.2
	CD (1%)	11.8	2.2	15.0	27.8	15.2	2.9	11.3	33.9	7.2	9.7	5.4	2.8	12.0	3.7	7.3	2.9

		Shelling(%)															
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_ New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_ Nasik	Parbhani	Rahuri	Sehgal_ F oundatio n	Vagarai	Zone-IV
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 9179 (IQ8627)	85.7	78.6	80.9	82.9	81.8	80.6	78.7	78.5	77.8	78.2	80.5	81.7	85.8	83.3	81.6	81.0
2	JKMH 4157	88.0	79.8	79.4	86.6	83.9	78.9	79.1	79.0	81.8	77.4	78.1	82.9	87.2	83.3	79.5	81.5
3	OMH 14-18(CAH 151)	86.3	80.7	78.3	85.6	85.2	77.3	79.5	77.9	84.1	80.7	79.5	81.4	85.6	84.5	79.0	81.5
4	BLH 111	86.1	81.1	82.6	86.1	88.2	80.4	81.0	80.5	76.3	82.7	78.8	82.1	87.4	86.7	79.7	82.2
5	BIO 9544 (C)	88.1	80.9	79.6	87.5	86.4	79.4	77.5	77.9	80.7	80.1	78.8	79.4	87.1	84.9	82.2	81.7
6	CMH 08-292 (C)	87.4	78.0	80.3	86.0	84.4	77.0	78.7	79.3	79.3	79.8	80.5	79.7	85.8	83.4	80.0	81.1
7	DHM 121 (C)	.	77.7	78.3	82.6	81.9	75.6	76.9	81.1	82.1	79.9	80.0	81.2	84.4	81.6	78.0	.
	Location Mean	86.9	79.5	79.9	85.3	84.5	78.5	78.8	79.2	80.3	79.8	79.4	81.2	86.2	83.9	80.0	81.5
	CV (%)	1.1	0.9	5.0	0.7	1.7	1.8	1.2	2.6	0.0	1.6	1.5	1.8	1.7	1.4	1.1	1.8
	F (Prob)	0.04	0.00	0.83	0.00	0.00	0.01	0.00	0.44	0.00	0.01	0.16	0.10	0.20	0.00	0.00	0.00
	CD (5%)	1.7	1.2	7.1	1.1	2.5	2.5	1.6	3.7	0.0	2.3	2.1	2.5	2.6	1.9	1.6	0.6
	CD (1%)	2.5	1.7	9.9	1.5	3.5	3.5	2.3	5.2	0.0	3.3	2.9	3.5	3.6	2.6	2.3	0.8

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TABLE No. 11: (Contd.)

Moisture(%)

Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_ New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_ Nasik	Parbhani	Rahuri	Sehgal_F oundatio n	Vagarai	Zone-IV
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 9179 (IQ8627)	20.1	19.5	15.8	11.7	16.2	14.3	24.8	22.0	13.9	16.9	10.8	25.9	13.9	21.5	16.4	17.9
2	JKMH 4157	18.7	19.4	14.6	11.7	19.6	17.2	24.5	21.2	14.7	15.7	10.7	26.4	14.2	19.6	15.9	17.5
3	OMH 14-18(CAH 151)	18.9	19.0	15.9	11.3	16.8	15.4	22.1	21.1	14.8	14.9	10.9	25.1	14.2	19.5	15.7	17.2
4	BLH 111	14.1	16.6	14.0	11.3	14.1	16.4	23.2	19.9	14.2	14.8	11.3	25.2	13.3	17.4	16.4	16.3
5	BIO 9544 (C)	18.6	17.8	16.1	11.6	13.2	19.0	23.8	21.5	13.6	15.9	11.2	26.3	14.0	18.5	16.2	17.3
6	CMH 08-292 (C)	19.4	18.7	15.6	11.8	16.4	17.4	23.8	21.2	14.3	16.1	11.2	25.3	14.0	18.9	15.9	17.4
7	DHM 121 (C)	.	19.5	13.2	11.9	17.6	21.6	23.6	22.3	14.0	13.2	10.8	25.7	13.8	19.9	15.5	.
	Location Mean	18.3	18.6	15.0	11.6	16.2	17.3	23.7	21.3	14.2	15.3	11.0	25.7	13.9	19.3	16.0	17.4
	CV (%)	2.7	4.2	6.8	6.2	8.8	24.5	3.2	5.8	3.6	9.8	2.3	1.9	2.9	9.8	1.0	6.2
	F (Prob)	0.00	0.01	0.03	0.90	0.00	0.48	0.02	0.39	0.15	0.17	0.07	0.03	0.21	0.03	0.00	0.00
	CD (5%)	0.9	1.4	1.8	1.3	2.5	7.6	1.3	2.2	0.9	2.7	0.5	0.9	0.7	3.1	0.3	0.5
	CD (1%)	1.3	2.0	2.6	1.8	3.6	10.6	1.9	3.1	1.3	3.8	0.6	1.2	1.0	4.2	0.4	0.6

Days to 50% Pollen Shed

Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_ New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_ Nasik	Parbhani	Rahuri	Sehgal_F oundatio n	Vagarai	Zone-IV
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 9179 (IQ8627)	56.7	53.0	63.0	61.5	59.0	54.7	58.7	56.7	55.0	55.3	53.7	54.3	53.0	52.7	51.3	55.7
2	JKMH 4157	56.3	52.3	56.3	61.5	58.7	53.3	57.3	57.0	54.0	53.0	53.3	53.3	53.7	51.0	50.0	54.5
3	OMH 14-18(CAH 151)	56.7	53.7	57.0	60.5	60.0	53.0	56.7	57.3	54.7	54.3	54.7	55.0	54.0	52.3	51.7	55.1
4	BLH 111	55.7	53.0	57.3	60.5	59.3	53.7	57.3	56.7	54.7	52.7	56.7	52.7	54.3	52.7	50.3	54.9
5	BIO 9544 (C)	57.7	53.0	61.3	60.5	60.0	55.7	58.7	56.3	55.7	53.7	56.0	53.7	53.7	53.7	51.3	55.8
6	CMH 08-292 (C)	56.3	52.0	57.3	61.0	59.7	53.0	57.0	57.3	54.0	53.0	53.3	54.0	53.3	51.7	50.0	54.5
7	DHM 121 (C)	56.6	54.9	58.7	62.4	60.2	53.1	59.3	56.8	55.3	53.7	52.7	54.0	54.0	53.3	52.0	55.5
	Location Mean	56.6	53.1	58.7	61.0	59.6	53.8	57.7	56.9	54.8	53.7	54.3	53.9	53.7	52.5	50.9	54.7
	CV (%)	1.1	1.5	3.6	0.5	2.7	5.1	1.3	1.9	2.0	1.5	4.0	1.8	1.4	2.0	2.5	2.4
	F (Prob)	0.08	0.05	0.02	0.02	0.89	0.86	0.03	0.90	0.46	0.02	0.27	0.17	0.40	0.00	0.40	0.00
	CD (5%)	1.1	1.5	3.8	0.6	2.9	5.0	1.4	2.0	1.9	1.4	3.8	1.7	1.3	1.8	2.3	0.6
	CD (1%)	1.6	2.1	5.4	1.0	4.1	7.0	2.0	2.8	2.7	2.0	5.4	2.4	1.8	2.4	3.2	0.8

TABLE No. 11: (Contd.)																	
Days to 50% Silking																	
Sl. No	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapu	Mandya	Niphad_Nasik	Parbhani	Rahuri	Sehgal_Foundation	Vagarai	Zone-IV
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 9179 (IQ8627)	57.7	56.0	67.3	63.0	60.0	58.3	61.0	60.0	57.0	###	56.0	58.3	54.7	54.7	54.0	58.2
2	JKMH 4157	56.7	55.7	58.7	62.5	60.0	58.0	60.0	60.0	56.3	###	55.3	58.3	55.0	53.0	53.3	57.0
3	OMH 14-18(CAH 151)	57.0	56.3	58.7	62.0	60.3	57.3	60.0	60.3	56.7	###	57.0	59.7	55.3	54.3	54.7	57.5
4	BLH 111	57.0	56.3	60.0	62.0	60.0	56.7	59.7	60.0	56.7	###	58.7	56.7	55.3	54.7	53.3	57.3
5	BIO 9544 (C)	57.3	55.7	65.7	61.5	60.7	60.0	61.3	60.0	57.7	###	58.7	58.3	55.0	55.7	53.7	58.4
6	CMH 08-292 (C)	57.0	55.0	59.3	62.0	61.0	57.0	60.0	60.3	56.0	###	56.3	57.7	55.0	53.7	52.7	56.9
7	DHM 121 (C)	60.1	57.3	62.6	63.3	60.8	57.9	62.0	59.8	57.3	###	55.3	58.0	55.7	55.3	55.0	58.3
	Location Mean	57.3	56.0	61.6	62.2	60.4	57.9	60.4	60.1	56.8	###	56.8	58.1	55.1	54.5	53.8	57.2
	CV (%)	1.6	1.3	3.5	0.9	1.9	4.3	1.3	2.1	1.8	1.6	3.7	1.7	1.1	2.0	2.3	2.3
	F (Prob)	0.16	0.08	0.00	0.25	0.88	0.73	0.10	1.00	0.47	###	0.30	0.08	0.54	0.00	0.40	0.00
	CD (5%)	1.6	1.3	4.0	1.2	2.1	4.4	1.4	2.3	1.8	1.6	3.7	1.7	1.1	1.8	2.2	0.6
	CD (1%)	2.3	1.8	5.6	1.9	2.9	6.3	2.0	3.2	2.5	2.2	5.2	2.4	1.5	2.4	3.1	0.7
Days to 75% Dry Husk																	
Sl. No	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapu	Mandya	Niphad_Nasik	Parbhani	Rahuri	Vagarai	Zone-IV	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	DKC 9179 (IQ8627)	99.3	94.3	110.0	105.0	102.0	107.7	100.7	93.7	96.0	###	103.0	108.0	86.7	95.3	99.8	
2	JKMH 4157	100.3	94.0	100.3	101.0	103.3	105.3	101.0	94.3	95.3	###	108.0	108.7	91.7	94.7	99.3	
3	OMH 14-18(CAH 151)	100.0	95.0	101.7	103.5	101.0	107.7	97.7	95.0	95.7	###	105.0	105.3	92.0	96.0	99.3	
4	BLH 111	97.0	94.7	102.7	100.5	101.7	106.0	98.7	95.0	95.7	###	110.3	107.7	93.7	94.3	99.4	
5	BIO 9544 (C)	99.7	94.7	107.3	103.5	102.0	108.7	96.7	94.7	97.0	###	105.3	108.3	90.3	95.0	99.7	
6	CMH 08-292 (C)	98.3	93.7	101.7	103.0	102.0	106.0	98.7	95.0	96.0	###	104.0	103.7	89.7	93.7	97.7	
7	DHM 121 (C)	98.3	94.9	105.6	105.8	100.3	106.8	99.4	95.3	97.7	###	108.0	107.7	92.0	96.0	100.2	
	Location Mean	99.1	94.5	104.0	103.0	101.9	106.9	99.0	94.7	96.2	###	106.2	107.1	90.9	95.0	99.2	
	CV (%)	2.8	1.0	2.5	1.8	1.4	2.0	2.9	1.5	0.7	3.0	5.2	0.8	2.8	1.5	2.6	
	F (Prob)	0.79	0.58	0.01	0.26	0.38	0.53	0.55	0.84	0.02	###	0.67	0.00	0.09	0.47	0.00	
	CD (5%)	5.1	1.6	4.8	3.8	2.5	3.9	5.2	2.5	1.3	5.0	9.8	1.6	4.4	2.6	1.2	
	CD (1%)	7.2	2.3	6.8	6.0	3.5	5.5	7.4	3.5	1.8	7.1	13.7	2.2	6.2	3.6	1.5	

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TABLE No. 11: (Contd.)		Plant Height(cm)														
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_ New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_ Nasik	Parbhani	Rahuri	Vagarai	Zone-IV
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 9179 (IQ8627)	219.5	185.2	242.6	170.5	253.5	260.4	230.7	203.7	218.3	249.7	208.3	248.9	290.0	231.7	227.6
2	JKMH 4157	219.5	191.3	237.6	160.0	254.7	297.9	253.3	208.0	220.0	241.0	224.3	247.8	291.6	239.5	233.2
3	OMH 14-18(CAH 151)	220.5	181.9	242.9	178.6	244.3	274.6	233.0	207.0	206.7	238.7	208.7	253.3	290.5	226.7	227.9
4	BLH 111	213.0	170.4	255.8	174.6	255.5	267.2	242.3	201.3	213.3	254.0	231.0	261.1	300.0	222.5	231.3
5	BIO 9544 (C)	197.5	179.6	224.6	172.1	206.7	278.8	199.0	160.0	173.3	207.0	190.0	195.0	250.0	197.3	201.9
6	CMH 08-292 (C)	224.5	186.6	246.2	187.0	256.2	299.5	241.3	203.3	188.3	245.3	198.3	242.2	293.9	235.0	230.1
7	DHM 121 (C)	.	166.8	235.6	168.9	229.7	270.7	225.3	201.6	175.0	218.3	192.0	221.7	279.4	213.5	.
	Location Mean	215.8	181.1	241.4	173.4	243.2	278.2	233.2	197.9	199.3	236.3	207.5	238.6	285.1	224.3	224.3
	CV (%)	1.7	5.3	3.4	12.4	3.6	7.8	3.1	6.1	13.8	5.8	8.5	5.6	4.8	3.5	6.9
	F (Prob)	0.01	0.13	0.02	0.83	0.00	0.29	0.00	0.01	0.23	0.01	0.09	0.00	0.01	0.00	0.00
	CD (5%)	7.7	17.2	14.7	38.5	15.8	38.7	13.1	21.5	48.8	24.2	31.3	23.6	24.2	14.2	7.1
	CD (1%)	12.0	24.3	20.9	54.4	22.3	54.7	18.6	30.3	68.4	33.9	43.8	33.1	33.9	20.0	9.4
		Ear Height(cm)														
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_ New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_ Nasik	Parbhani	Rahuri	Vagarai	Zone-IV
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC 9179 (IQ8627)	116.0	92.5	110.3	88.2	127.5	119.0	101.0	93.3	111.7	124.3	45.3	128.9	142.2	107.9	106.2
2	JKMH 4157	120.5	95.0	114.3	75.3	120.5	125.7	104.0	94.7	111.7	117.0	44.3	118.3	143.3	109.7	105.7
3	OMH 14-18(CAH 151)	124.0	93.9	113.1	79.9	119.3	115.7	102.3	94.3	91.7	113.7	42.0	128.3	150.0	106.2	104.2
4	BLH 111	119.0	86.1	105.3	85.3	122.0	129.3	97.0	92.0	103.3	128.7	45.7	126.7	143.3	105.9	105.2
5	BIO 9544 (C)	114.0	88.1	102.9	75.0	109.5	123.2	85.0	75.3	86.7	102.3	43.0	106.7	141.7	97.4	95.5
6	CMH 08-292 (C)	138.0	99.9	130.3	96.7	139.7	127.7	114.0	94.0	120.0	123.7	45.3	132.2	167.2	110.6	115.4
7	DHM 121 (C)	.	83.4	115.5	90.5	109.8	105.2	91.2	95.5	78.3	108.0	45.0	117.2	143.3	99.3	.
	Location Mean	121.9	91.5	112.8	84.0	121.4	121.4	100.2	91.2	100.5	116.8	44.4	122.6	147.3	105.7	104.1
	CV (%)	3.7	7.3	9.9	12.3	5.2	9.8	4.3	6.8	10.8	8.4	18.2	6.7	6.9	6.9	8.4
	F (Prob)	0.02	0.17	0.18	0.19	0.00	0.39	0.00	0.02	0.00	0.06	1.00	0.03	0.09	0.32	0.00
	CD (5%)	9.5	12.0	20.3	18.6	11.3	21.3	7.8	11.1	19.3	17.4	14.4	14.5	18.2	13.0	4.0
	CD (1%)	14.9	16.9	28.8	26.2	16.0	30.1	11.2	15.6	27.0	24.3	20.2	20.4	25.5	18.4	5.2

TABLE No. 12: Trial No. 67,68 (Early and Extra Early Maturity) AVT1

Yield(kg/ha)

Sl. No.	Entry Name	Arabhavi		Coimbatore		Devihosur		Dharwad		Dharwad _New		Dhule		Hyderabad		Karimnagar		Kolhapur		Mandya		Niphad_N asik		Parbhani		Rahuri		Vagarai		Zone-IV	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	FH 3765	9086	2	10592	3	5668	5	8134	1	12326	1	8481	6	8592	3	10920	2	8636	3	9377	3	5236	9	9408	9	11699	2	8244	9	8596	3
2	FH 3768	6107	8	9336	9	7820	1	6429	6	9846	5	7152	9	8375	5	11198	1	8704	2	8309	6	8900	1	9693	7	9784	5	9173	6	8315	5
3	FH 3771	7514	5	10069	6	5944	3	7546	4	8945	7	8403	7	8569	4	9536	6	6490	8	9757	2	6844	8	9976	4	9590	6	8291	8	8249	7
4	KH-102	6951	6	10108	5	5452	6	6587	5	8061	8	7559	8	7167	9	10452	4	6645	7	11177	1	8645	2	9497	8	9919	4	9938	1	8304	6
5	BIO605 (C)	10169	1	10261	4	4999	8	6028	8	9606	6	10155	1	9820	1	9518	7	8912	1	7942	7	8540	3	9766	6	11972	1	9700	3	9022	1
6	DKC 7074 (C)	8389	4	10710	2	6752	2	7839	2	11689	2	9511	3	8673	2	10462	3	8022	5	8349	5	7917	5	9942	5	9547	7	9726	2	8782	2
7	PMH5 (C)	3513	9	9629	8	3464	9	4210	9	6704	9	9621	2	7368	8	8973	9	4606	9	6508	9	7292	7	10195	1	8880	9	9581	4	7072	9
8	Vivek Hybrid 45 (C)	8720	3	10816	1	5753	4	7594	3	10073	3	9490	4	8026	6	9309	8	8227	4	7309	8	7499	6	10116	3	9059	8	8826	7	8453	4
9	Vivek Hybrid 51 (C)	6358	7	10058	7	5295	7	6413	7	10013	4	9200	5	7659	7	9599	5	7713	6	8460	4	8103	4	10127	2	10180	3	9332	5	8241	8
	Location Mean	7423	.	10176	.	5683	.	6753	.	9696	.	8841	.	8250	.	9996	.	7551	.	8577	.	7664	.	9858	.	10070	.	9201	.	8337	.
	CV (%)	12.1	.	7.25	.	18.98	.	11.4	.	12.56	.	12.8	.	12.08	.	20.31	.	8.86	.	6.63	.	18.2	.	3.47	.	12.9	.	13.34	.	11.69	.
	F (Prob)	0	.	0.3	.	0.01	.	0	.	0	.	0.07	.	0.12	.	0.88	.	0	.	0	.	0.12	.	0.1	.	0.1	.	0.63	.	0	.
	CD (5%)	1554	.	1276	.	1867	.	1333	.	2107	.	1958	.	1725	.	3515	.	1158	.	984	.	2414	.	591	.	2249	.	2124	.	453	.
	CD (1%)	2142	.	1758	.	2572	.	1836	.	2903	.	2698	.	2377	.	4842	.	1595	.	1355	.	3326	.	815	.	3099	.	2926	.	598	.

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TABLE No. 12: (Contd.)																
Plant Stand('000/ha)																
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Nasik	Parbhani	Rahuri	Vagarai	Zone-IV
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	FH 3765	72.6	65.6	42.0	55.2	64.9	66.4	63.9	77.8	59.2	70.8	61.7	65.6	79.2	73.6	65.7
2	FH 3768	75.4	64.6	55.6	51.4	71.2	65.3	77.8	77.4	61.9	70.5	60.6	64.4	78.1	76.0	67.6
3	FH 3771	66.7	65.3	45.1	53.1	62.5	65.3	70.8	68.4	56.7	71.9	60.3	65.0	76.0	73.3	64.5
4	KH-102	60.4	64.9	45.5	47.6	51.4	65.8	56.6	77.4	51.1	70.8	62.2	65.3	73.6	75.4	62.8
5	BIO605 (C)	66.3	63.9	45.8	40.3	58.7	64.7	63.2	77.1	59.4	67.7	61.7	65.3	80.2	77.4	64.1
6	DKC 7074 (C)	72.6	65.3	45.1	52.4	68.1	65.3	71.5	76.7	56.9	67.0	61.7	65.0	77.1	80.2	65.9
7	PMH5 (C)	72.2	64.6	45.1	52.4	66.0	65.8	76.7	78.5	51.1	68.1	63.3	65.0	78.1	75.4	65.9
8	Vivek Hybrid 45 (C)	77.8	63.5	43.1	51.7	71.2	66.1	66.0	67.0	56.4	68.8	61.9	65.6	81.3	73.6	64.8
9	Vivek Hybrid 51 (C)	64.6	65.3	45.1	53.1	66.7	65.8	76.4	78.1	55.6	70.1	60.3	65.0	82.3	72.6	65.7
	Location Mean	69.8	64.8	45.8	50.8	64.5	65.6	69.2	75.4	56.5	69.5	61.5	65.1	78.4	75.3	65.2
	CV (%)	10.1	1.6	9.9	14.3	10.9	1.1	11.0	12.0	5.8	5.3	3.7	1.7	8.4	7.1	8.2
	F (Prob)	0.13	0.26	0.09	0.4	0.06	0.2	0.04	0.68	0.01	0.75	0.78	0.96	0.84	0.75	0.01
	CD (5%)	12.2	1.8	7.9	12.5	12.2	1.2	13.2	15.6	5.7	6.4	3.9	1.9	11.4	9.2	2.4
	CD (1%)	16.8	2.4	10.8	17.3	16.7	1.7	18.2	21.6	7.8	8.8	5.4	2.6	15.8	12.7	3.1
Shelling(%)																
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Nasik	Parbhani	Rahuri	Vagarai	Zone-IV
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	FH 3765	87.1	80.9	79.4	87.7	85.1	75.6	79.2	83.2	81.8	79.5	76.1	81.1	84.1	79.8	81.2
2	FH 3768	85.6	79.3	80.8	89.0	84.6	73.9	76.6	84.4	80.0	82.9	80.0	80.1	82.2	77.8	81.0
3	FH 3771	86.4	80.6	78.8	83.8	84.3	76.5	76.0	82.5	68.9	79.2	74.7	82.8	81.8	78.3	79.2
4	KH-102	86.3	80.7	81.2	84.3	84.1	78.2	74.6	82.6	79.1	81.6	80.1	79.2	84.6	80.3	81.0
5	BIO605 (C)	86.2	80.6	77.5	84.4	85.5	77.7	77.4	84.5	85.3	83.0	81.4	81.4	84.6	82.2	82.0
6	DKC 7074 (C)	84.7	80.0	79.0	83.4	84.2	75.0	77.4	83.9	81.3	82.6	79.5	81.0	85.3	79.3	80.9
7	PMH5 (C)	82.2	79.0	74.1	86.3	84.3	75.3	77.0	84.4	80.9	79.2	76.2	81.1	84.1	78.5	79.9
8	Vivek Hybrid 45 (C)	86.7	80.9	75.6	84.9	84.5	77.1	79.5	84.3	83.8	80.8	76.6	80.9	83.6	81.2	81.2
9	Vivek Hybrid 51 (C)	85.1	80.5	77.5	85.3	84.0	75.5	77.0	84.6	82.1	83.2	80.0	82.1	84.7	79.4	81.3
	Location Mean	85.6	80.3	78.2	85.5	84.5	76.1	77.2	83.8	80.4	81.3	78.3	81.1	83.9	79.6	80.9
	CV (%)	0.6	1.4	3.1	3.4	0.8	2.2	1.0	2.0	0.0	1.2	2.6	1.6	1.5	1.1	1.9
	F (Prob)	0	0.4	0.04	0.31	0.22	0.11	0	0.64	0	0	0.01	0.12	0.05	0	0
	CD (5%)	0.9	1.9	4.3	5.0	1.2	2.9	1.4	2.9	0.0	1.7	3.5	2.2	2.2	1.5	0.7
	CD (1%)	1.3	2.7	5.9	6.8	1.7	4.0	1.9	4.0	0.0	2.3	4.9	3.0	3.1	2.0	0.9

TABLE No. 12: (Contd.)		Moisture(%)														
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Nasik	Parbhani	Rahuri	Vagarai	Zone-IV
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	FH 3765	20.2	20.1	14.5	12.6	16.4	16.6	25.9	22.9	14.4	15.9	11.0	26.1	13.6	16.4	17.8
2	FH 3768	15.6	18.1	13.8	11.9	14.0	12.2	23.2	22.3	14.5	14.9	11.0	24.4	13.1	16.3	16.6
3	FH 3771	15.5	17.8	13.8	12.1	14.3	14.2	24.4	21.8	13.9	13.8	10.8	24.9	13.3	15.8	16.5
4	KH-102	17.5	20.1	15.4	12.6	16.3	18.0	24.9	21.8	13.9	16.5	11.1	25.6	14.1	16.2	17.5
5	BIO605 (C)	17.8	21.3	14.6	13.1	15.0	10.8	25.2	19.7	14.1	15.3	11.1	26.0	13.3	17.0	17.3
6	DKC 7074 (C)	19.7	19.4	15.3	12.6	17.2	12.1	23.5	21.5	14.5	15.0	10.9	25.8	14.1	16.8	17.4
7	PMH5 (C)	17.6	19.3	13.4	11.1	11.3	9.9	23.1	18.4	15.7	13.5	11.1	23.9	13.4	15.9	16.4
8	Vivek Hybrid 45 (C)	16.0	20.3	12.7	11.5	15.7	13.2	22.9	19.8	12.0	15.4	11.2	24.2	13.0	16.5	16.3
9	Vivek Hybrid 51 (C)	16.9	17.4	13.4	11.9	15.9	12.5	23.6	19.8	14.0	15.7	11.2	24.6	12.6	16.1	16.4
	Location Mean	17.4	19.3	14.1	12.1	15.1	13.3	24.1	20.9	14.1	15.1	11.1	25.1	13.4	16.3	16.9
	CV (%)	10.1	3.4	6.5	5.8	9.5	33.4	3.0	6.9	7.2	5.0	1.2	2.1	2.3	3.1	5.3
	F (Prob)	0.04	0	0.03	0.07	0.01	0.44	0	0.02	0.04	0	0.04	0	0	0.14	0
	CD (5%)	3.0	1.1	1.6	1.2	2.5	7.7	1.2	2.5	1.8	1.3	0.2	0.9	0.5	0.9	0.4
	CD (1%)	4.2	1.6	2.2	1.7	3.4	10.6	1.7	3.5	2.4	1.8	0.3	1.2	0.7	1.2	0.6
Days to 50% Pollen Shed																
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Nasik	Parbhani	Rahuri	Vagarai	Zone-IV
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	FH 3765	55.0	49.3	51.3	59.0	56.0	47.0	55.0	49.3	53.3	51.0	54.7	48.0	50.3	45.0	51.4
2	FH 3768	56.0	50.7	53.3	57.5	56.0	46.3	53.3	47.7	53.3	50.7	52.0	48.0	49.7	45.7	51.1
3	FH 3771	54.0	50.0	52.0	57.5	55.3	45.7	54.7	48.7	53.3	49.3	51.3	48.0	49.7	46.3	50.8
4	KH-102	54.0	48.3	53.3	58.0	55.0	46.3	55.3	50.0	50.7	50.0	51.3	47.3	49.3	47.0	50.9
5	BIO605 (C)	54.0	49.3	53.0	58.0	57.3	47.7	55.3	49.0	54.7	50.3	53.0	49.0	50.0	45.7	51.5
6	DKC 7074 (C)	54.7	49.7	55.0	60.0	57.3	46.0	53.0	47.3	53.3	51.0	53.0	47.7	50.0	46.3	51.3
7	PMH5 (C)	50.7	48.3	49.3	56.0	52.7	43.7	51.3	49.7	48.0	48.0	51.3	49.0	46.3	46.7	49.1
8	Vivek Hybrid 45 (C)	50.7	48.0	52.7	56.5	52.3	44.0	51.7	49.3	50.3	47.3	54.0	47.0	45.7	44.3	49.4
9	Vivek Hybrid 51 (C)	51.0	48.3	53.0	56.5	51.0	43.7	51.3	50.0	47.0	46.7	50.7	47.7	43.7	44.0	48.7
	Location Mean	53.3	49.1	52.6	57.7	54.8	45.6	53.4	49.0	51.6	49.4	52.4	48.0	48.3	45.7	50.3
	CV (%)	1.4	1.8	2.9	1.7	1.5	5.1	3.7	2.5	2.7	1.3	5.3	2.7	1.9	2.0	3.0
	F (Prob)	0	0.02	0.02	0.06	0	0.35	0.09	0.13	0	0	0.66	0.62	0	0.01	0
	CD (5%)	1.3	1.5	2.6	1.9	1.4	4.0	3.5	2.1	2.4	1.1	4.8	2.3	1.6	1.6	0.7
	CD (1%)	1.8	2.1	3.6	2.7	1.9	5.5	4.8	2.9	3.3	1.6	6.6	3.1	2.1	2.2	0.9

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TABLE No. 12: (Contd.)																
Days to 50% Silking																
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Nasik	Parbhani	Rahuri	Vagarai	Zone-IV
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	FH 3765	54.7	51.7	54.3	60.0	54.7	51.3	57.0	52.0	55.3	52.7	56.7	52.0	52.0	48.3	53.7
2	FH 3768	55.3	53.0	57.0	59.0	54.7	49.3	55.0	50.7	55.3	53.0	53.3	52.3	52.0	48.7	53.4
3	FH 3771	55.3	52.7	54.7	59.0	56.7	49.7	56.7	51.3	55.3	52.3	53.7	52.7	51.0	49.3	53.4
4	KH-102	54.7	51.0	56.7	59.5	56.3	50.0	57.0	53.3	52.7	52.7	54.3	51.0	50.7	50.0	53.4
5	BIO605 (C)	53.7	52.0	56.0	59.0	57.3	51.3	57.3	51.3	56.7	52.0	55.0	53.3	51.7	49.3	53.7
6	DKC 7074 (C)	56.0	52.0	60.7	61.0	57.3	49.0	55.0	49.7	55.3	54.0	55.0	51.7	51.3	49.7	53.9
7	PMH5 (C)	52.3	51.3	52.7	57.0	54.3	47.0	53.0	52.3	50.0	51.0	54.3	53.3	47.7	50.3	51.7
8	Vivek Hybrid 45 (C)	53.0	51.0	56.0	58.0	53.7	47.7	54.0	51.7	52.3	50.0	56.3	51.7	47.0	47.3	52.0
9	Vivek Hybrid 51 (C)	51.7	51.0	56.7	58.0	51.7	47.7	53.3	52.3	49.0	48.7	53.7	52.0	45.3	47.0	51.3
	Location Mean	54.1	51.7	56.1	58.9	55.2	49.2	55.4	51.6	53.6	51.8	54.7	52.2	49.9	48.9	52.8
	CV (%)	1.9	1.5	4.4	1.5	2.0	4.5	3.5	2.0	2.6	2.3	4.2	2.7	1.3	2.2	2.9
	F (Prob)	0	0.05	0.06	0.04	0	0.23	0.08	0.02	0	0	0.62	0.51	0	0.02	0
	CD (5%)	1.8	1.4	4.2	1.6	1.9	3.8	3.4	1.7	2.4	2.1	4.0	2.4	1.1	1.9	0.7
	CD (1%)	2.5	1.9	5.8	2.4	2.6	5.2	4.7	2.4	3.3	2.9	5.5	3.3	1.5	2.6	0.9
Days to 75% Dry Husk																
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Nasik	Parbhani	Rahuri	Vagarai	Zone-IV
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	FH 3765	98.3	86.3	90.3	95.5	98.7	96.7	95.0	84.7	86.3	87.3	99.7	95.3	83.7	88.7	91.4
2	FH 3768	97.0	88.3	92.3	95.0	97.7	94.3	89.0	83.3	86.3	88.0	95.7	92.3	82.7	89.3	90.3
3	FH 3771	91.0	87.7	90.0	95.0	100.3	95.0	91.0	82.7	86.3	90.7	93.7	94.7	84.3	90.7	90.2
4	KH-102	90.0	86.3	93.0	95.5	96.7	92.7	92.3	85.3	83.7	95.3	96.0	92.3	84.3	91.0	90.6
5	BIO605 (C)	94.7	86.7	94.0	94.5	96.0	92.3	94.0	84.3	87.7	88.0	97.0	92.3	81.0	90.7	90.6
6	DKC 7074 (C)	96.0	87.3	95.3	100.0	99.0	96.7	90.0	83.3	86.3	96.7	96.7	94.3	83.0	91.3	92.1
7	PMH5 (C)	88.7	86.3	85.3	93.0	94.7	91.0	88.0	84.3	81.0	91.3	95.7	92.7	78.3	91.3	88.2
8	Vivek Hybrid 45 (C)	86.3	86.7	91.7	94.5	95.0	93.7	86.7	85.0	83.3	86.0	99.3	92.3	80.0	88.0	88.7
9	Vivek Hybrid 51 (C)	86.3	86.3	90.7	94.0	95.0	90.3	88.7	83.7	80.0	86.0	94.0	93.0	77.3	87.3	87.5
	Location Mean	92.0	86.9	91.4	95.2	97.0	93.6	90.5	84.1	84.6	89.9	96.4	93.3	81.6	89.8	89.8
	CV (%)	4.5	0.8	2.7	1.2	1.7	3.7	2.5	1.2	1.6	5.4	4.3	1.1	2.1	1.6	3.0
	F (Prob)	0.01	0.02	0.01	0.01	0.01	0.31	0	0.06	0	0.12	0.66	0.01	0	0.02	0
	CD (5%)	7.1	1.2	4.3	2.1	2.9	6.0	3.9	1.7	2.4	8.4	7.3	1.7	3.0	2.5	1.2
	CD (1%)	9.8	1.7	6.0	3.0	4.0	8.2	5.4	2.3	3.3	11.5	10.0	2.4	4.2	3.4	1.6

TABLE No. 12: (Contd.)																
Plant Height(cm)																
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Nasik	Parbhani	Rahuri	Vagarai	Zone-IV
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	FH 3765	200.5	164.4	203.3	156.7	212.5	254.8	206.0	183.0	190.0	221.7	179.7	221.7	268.3	210.4	204.7
2	FH 3768	184.5	151.9	202.0	149.8	201.8	241.8	207.7	161.7	176.7	237.7	197.7	221.1	260.6	208.3	200.1
3	FH 3771	154.5	153.0	181.7	129.4	193.2	229.1	186.0	162.0	160.0	212.7	178.0	185.6	231.1	176.4	180.0
4	KH-102	165.5	157.4	176.7	148.1	192.5	218.5	182.0	159.3	176.7	214.7	169.3	195.6	235.0	195.0	184.1
5	BIO605 (C)	202.0	164.1	216.3	156.3	212.2	248.9	230.3	182.0	185.0	234.3	178.7	212.8	257.8	220.0	206.8
6	DKC 7074 (C)	173.5	140.5	193.2	146.2	209.8	243.6	191.3	154.3	178.3	224.0	184.7	203.9	231.6	186.2	188.6
7	PMH5 (C)	178.5	143.0	200.5	148.7	210.7	254.5	195.0	166.7	171.7	224.0	196.7	195.0	244.4	207.8	194.3
8	Vivek Hybrid 45 (C)	167.5	170.8	181.3	135.3	184.3	220.1	181.7	134.7	153.3	210.7	186.0	175.0	220.6	178.7	178.1
9	Vivek Hybrid 51 (C)	168.5	152.3	186.1	161.3	206.3	253.7	203.3	157.3	168.3	225.0	173.3	203.9	251.7	188.8	191.8
	Location Mean	177.2	155.3	193.4	148.0	202.6	240.6	198.2	162.3	173.3	222.7	182.7	201.6	244.6	196.9	192.5
	CV (%)	4.2	10.0	3.9	15.8	7.5	5.0	2.7	5.8	7.8	4.3	11.4	4.8	3.6	3.2	6.7
	F (Prob)	0	0.33	0	0.78	0.27	0.01	0	0	0.08	0.04	0.73	0	0	0	0
	CD (5%)	14.0	26.9	13.2	40.4	26.1	20.8	9.3	16.3	23.3	16.5	36.1	16.6	15.3	10.9	5.8
	CD (1%)	20.4	37.0	18.1	55.6	36.0	28.7	12.9	22.4	32.1	22.7	49.7	22.8	21.0	15.1	7.7
Ear Height(cm)																
Sl. No.	Entry Name	Arabhavi	Coimbatore	Devihosur	Dharwad	Dharwad_New	Dhule	Hyderabad	Karimnagar	Kolhapur	Mandya	Niphad_Nasik	Parbhani	Rahuri	Vagarai	Zone-IV
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	FH 3765	83.0	75.4	86.5	69.9	101.0	94.0	68.0	85.0	83.3	110.7	41.3	96.1	121.6	103.6	86.0
2	FH 3768	89.5	72.4	73.6	68.0	93.7	94.7	76.0	75.7	73.3	119.0	49.0	103.9	121.1	105.8	86.3
3	FH 3771	77.5	71.5	83.1	50.4	86.8	95.1	70.0	76.7	71.7	106.0	42.3	95.0	124.5	83.9	80.6
4	KH-102	86.0	79.0	75.3	65.6	92.5	92.1	75.7	73.7	83.3	107.0	49.0	98.3	118.9	91.9	84.3
5	BIO605 (C)	109.5	90.2	105.2	65.2	108.2	112.1	102.7	91.0	116.7	120.0	51.7	106.1	125.5	108.0	100.3
6	DKC 7074 (C)	93.0	77.8	96.7	80.4	105.0	121.4	77.7	82.7	95.0	115.0	40.0	112.2	118.9	91.6	92.5
7	PMH5 (C)	97.5	77.8	87.9	73.8	107.8	105.7	73.4	75.0	66.7	112.3	40.3	98.9	131.6	102.0	87.9
8	Vivek Hybrid 45 (C)	96.5	74.0	83.0	64.6	91.7	95.0	75.0	61.3	76.7	102.0	43.0	90.0	119.4	83.5	81.9
9	Vivek Hybrid 51 (C)	90.5	81.9	96.3	79.6	100.5	101.7	84.0	74.3	90.0	114.7	41.0	107.2	137.2	95.7	91.9
	Location Mean	91.4	77.8	87.5	68.6	98.6	101.3	78.0	77.3	84.1	111.9	44.2	100.9	124.3	96.2	87.9
	CV (%)	7.8	7.4	10.8	19.7	11.0	11.1	7.9	8.5	11.2	3.6	12.9	7.4	5.9	6.5	9.2
	F (Prob)	0.05	0.03	0.01	0.29	0.23	0.07	0	0	0	0	0.15	0.05	0.08	0	0
	CD (5%)	13.4	10.0	16.3	23.3	18.7	19.5	10.7	11.4	16.3	6.9	9.9	12.9	12.8	10.9	3.7
	CD (1%)	19.6	13.8	22.5	32.1	25.8	26.8	14.8	15.7	22.5	9.5	13.6	17.7	17.6	15.0	4.9

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TABLE No. 13: Trial No. 65,69 (Late Maturity) AVT-I-II Yield (kg/ha)

Sl. No.	Entry Name	Ambikapur		Banswara		Bhiloda		Chindwara		Chitrakoot		Dahod		Godhra		Jagdalpur		Jhabua		Kota		Raipur		Ujjain		Zone-V	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	BIO 274	8328	4	11561	6	5056	2	10454	3	5175	7	9978	6	4325	8	5412	2	6535	5	2517	4	7808	2	5947	2	7625	3
2	DKC(9164)IP9002	8669	2	11865	3	5280	1	11003	1	5640	6	11741	1	6055	3	5031	5	5848	8	2991	2	8693	1	5209	8	7898	1
3	BIO 9682 (C)	9019	1	11869	2	4445	4	10767	2	5803	5	11148	3	5893	5	5456	1	7168	2	2056	5	7205	6	5660	3	7854	2
4	Bio -9681(C)	7483	6	10973	8	3667	8	8574	7	7136	1	11638	2	6236	1	4962	7	6387	7	2869	3	7715	3	5418	5	7395	5
5	CMH 08-282 (C)	7381	7	11764	5	4654	3	9381	6	6418	2	9764	7	6024	4	5206	3	6673	4	1506	7	6529	8	5605	4	7338	6
6	CMH 08-287 (C)	6287	8	11941	1	4401	5	10403	4	6092	4	10983	4	6118	2	3918	8	6398	6	1886	6	7357	5	5273	7	7305	7
7	PMH 1 (C)	8568	3	11862	4	4232	6	10110	5	4991	8	9591	8	4793	6	5034	4	7486	1	1496	8	7547	4	6040	1	7546	4
8	Seed tech 2324(C)	7861	5	11505	7	4177	7	6768	8	6229	3	10246	5	4528	7	5009	6	6855	3	3114	1	6637	7	5343	6	7063	8
	Location Mean	7950	.	11667	.	4489	.	9682	.	5936	.	10636	.	5496	.	5004	.	6669	.	2304	.	7436	.	5562	.	7503	.
	CV (%)	8.5	.	4.7	.	11.2	.	5.0	.	15.0	.	9.1	.	30.2	.	13.8	.	15.8	.	33.5	.	11.9	.	9.9	.	10.0	.
	F (Prob)	0	.	0.46	.	0.03	.	0	.	0.16	.	0.08	.	0.68	.	0.26	.	0.67	.	0.1	.	0.16	.	0.51	.	0	.
	CD (5%)	1185	.	968	.	880	.	840	.	1557	.	1689	.	2910	.	1205	.	1839	.	1352	.	1551	.	965	.	383	.
	CD (1%)	1645	.	1344	.	1221	.	1165	.	2162	.	2344	.	4039	.	1673	.	2552	.	1877	.	2153	.	1339	.	506	.

TABLE No. 13: (Contd.)		Plant Stand('000/ha)												
Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Ujjain	Zone-V
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 274	49.3	67.6	56.5	65.2	76.6	64.4	57.4	63.3	63.6	59.3	65.0	61.5	62.5
2	DKC(9164)IP9002	52.4	68.3	54.8	67.8	78.9	69.4	71.5	64.3	63.9	63.4	65.2	62.2	65.2
3	BIO 9682 (C)	54.3	69.0	57.4	65.6	78.5	64.4	76.2	61.9	71.6	48.6	61.9	61.1	64.2
4	Bio -9681(C)	49.3	68.3	53.7	60.4	79.2	73.2	51.4	58.9	64.5	57.6	64.3	61.5	61.8
5	CMH 08-282 (C)	46.9	66.9	54.6	65.6	78.2	67.4	50.7	64.1	53.7	36.8	59.6	60.6	58.8
6	CMH 08-287 (C)	40.6	67.8	55.6	63.2	77.1	63.7	58.1	52.4	63.3	47.5	60.7	61.7	59.3
7	PMH 1 (C)	59.3	68.5	51.3	65.2	78.7	66.2	51.9	62.4	64.2	38.2	62.2	61.9	60.8
8	Seed tech 2324(C)	50.9	67.1	54.8	65.0	78.0	64.6	53.9	66.7	58.0	58.8	63.7	62.0	62.0
	Location Mean	50.4	67.9	54.8	64.7	78.2	66.6	58.9	61.7	62.9	51.3	62.8	61.6	61.8
	CV (%)	9.9	1.9	7.5	5.9	2.6	5.9	9.9	8.9	12.5	22.6	3.9	1.4	8.7
	F (Prob)	0.02	0.49	0.74	0.49	0.77	0.12	0	0.15	0.31	0.09	0.12	0.39	0
	CD (5%)	8.7	2.2	7.2	6.7	3.6	6.9	10.3	9.7	13.7	20.3	4.3	1.5	2.5
	CD (1%)	12.1	3.1	10.0	9.3	5.0	9.6	14.2	13.4	19.0	28.2	6.0	2.1	3.3
Shelling (%)														
Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Ujjain	Zone-V
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 274	76.4	77.9	72.6	81.8	69.2	80.3	81.3	79.4	78.9	78.0	79.9	81.3	78.1
2	DKC(9164)IP9002	75.1	77.0	77.7	81.3	69.9	83.0	82.5	79.4	81.0	79.0	80.8	81.6	79.0
3	BIO 9682 (C)	75.4	76.7	73.4	82.1	61.8	83.5	83.7	79.4	77.1	77.8	80.9	83.1	77.9
4	Bio -9681(C)	75.4	77.5	74.8	83.2	69.6	83.3	83.9	78.8	79.1	78.9	79.5	83.4	78.9
5	CMH 08-282 (C)	75.0	78.4	77.1	84.3	75.1	83.7	80.6	79.7	78.6	79.5	81.2	83.6	79.7
6	CMH 08-287 (C)	75.5	77.9	74.0	83.3	76.7	81.2	82.3	77.8	79.3	79.4	80.7	82.1	79.2
7	PMH 1 (C)	75.0	79.1	73.5	83.5	73.0	82.4	81.2	79.0	78.8	79.0	81.0	83.2	79.1
8	Seed tech 2324(C)	75.3	78.9	75.9	83.3	75.4	84.0	83.0	78.4	81.2	79.8	80.0	82.5	79.8
	Location Mean	75.4	77.9	74.9	82.9	71.3	82.7	82.3	79.0	79.2	78.9	80.5	82.6	79.0
	CV (%)	1.2	0.9	1.4	2.7	8.2	3.2	2.3	2.2	4.1	0.9	1.3	2.5	3.1
	F (Prob)	0.6	0.01	0	0.74	0.12	0.66	0.33	0.89	0.83	0.05	0.47	0.82	0.01
	CD (5%)	1.5	1.2	1.8	3.9	10.3	4.6	3.3	3.1	5.7	1.3	1.9	3.6	1.1
	CD (1%)	2.1	1.7	2.5	5.4	14.2	6.4	4.5	4.2	8.0	1.8	2.6	5.0	1.5

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TABLE No. 13: (Contd.)		Moisture (%)													
Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Ujjain	Zone-V	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	BIO 274	15.1	16.7	21.4	18.8	31.0	22.7	16.6	14.8	13.7	15.8	15.5	20.0	18.7	
2	DKC(9164)IP9002	15.5	16.4	24.4	20.3	28.8	22.3	16.8	15.2	13.4	17.2	16.1	20.0	19.0	
3	BIO 9682 (C)	15.3	16.7	23.3	19.1	30.8	22.6	16.1	15.3	17.7	14.8	14.9	20.0	19.3	
4	Bio -9681(C)	15.2	16.5	22.0	18.2	29.9	21.1	16.0	15.0	11.9	16.2	15.4	20.0	18.3	
5	CMH 08-282 (C)	14.4	16.6	21.7	17.6	31.8	22.3	17.0	14.7	12.3	12.9	14.1	20.0	18.4	
6	CMH 08-287 (C)	14.0	16.6	24.0	17.4	31.9	22.1	18.2	14.0	14.0	14.3	15.8	20.0	18.9	
7	PMH 1 (C)	15.4	16.3	21.8	17.0	33.0	23.9	16.6	14.6	13.6	30.9	15.1	20.0	18.8	
8	Seed tech 2324(C)	14.9	16.5	23.3	18.2	29.1	22.7	16.6	14.5	12.6	16.7	14.9	20.0	18.5	
	Location Mean	15.0	16.5	22.7	18.3	30.8	22.5	16.7	14.8	13.6	17.3	15.2	20.0	18.7	
	CV (%)	2.4	0.7	4.8	9.5	4.5	5.3	3.5	4.8	18.3	62.3	3.9	0.0	6.3	
	F (Prob)	0	0.01	0.03	0.41	0.03	0.33	0.01	0.47	0.23	0.58	0.03	.	0.01	
	CD (5%)	0.6	0.2	1.9	3.1	2.4	2.1	1.0	1.2	4.4	18.9	1.0	0.0	0.6	
	CD (1%)	0.9	0.3	2.7	4.2	3.4	2.9	1.4	1.7	6.1	26.3	1.4	0.0	0.8	
Days to 50% Pollen Shed															
Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Ujjain	Zone-V	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	BIO 274	53.0	56.0	53.7	57.3	60.0	54.3	56.0	59.3	50.3	54.0	54.3	54.3	55.2	
2	DKC(9164)IP9002	53.7	55.7	53.0	57.0	57.0	54.0	52.3	60.0	53.0	54.7	56.3	54.0	55.1	
3	BIO 9682 (C)	53.0	55.7	54.3	57.3	57.7	54.0	52.7	58.3	51.0	54.3	54.0	54.7	54.8	
4	Bio -9681(C)	52.7	55.0	57.3	57.0	56.7	53.7	54.0	58.7	52.3	53.3	55.7	54.3	55.1	
5	CMH 08-282 (C)	53.0	52.7	52.0	57.0	58.0	54.0	49.0	57.0	50.0	52.0	56.7	52.7	53.7	
6	CMH 08-287 (C)	53.0	55.3	57.0	57.7	63.7	54.0	52.3	60.3	54.3	54.7	56.0	53.3	56.0	
7	PMH 1 (C)	53.3	54.3	55.3	57.3	62.0	53.7	50.7	58.0	50.7	54.3	53.7	53.0	54.7	
8	Seed tech 2324(C)	53.7	54.7	54.0	57.7	58.7	54.3	52.3	59.7	51.3	52.7	55.7	53.7	54.9	
	Location Mean	53.2	54.9	54.6	57.3	59.2	54.0	52.4	58.9	51.6	53.8	55.3	53.8	54.9	
	CV (%)	1.4	1.5	2.5	0.8	2.6	2.6	3.4	2.1	1.7	4.1	4.1	1.7	2.6	
	F (Prob)	0.65	0.01	0	0.37	0	1	0.01	0.08	0	0.74	0.64	0.15	0	
	CD (5%)	1.3	1.5	2.4	0.8	2.7	2.5	3.1	2.2	1.5	3.8	4.0	1.6	0.7	
	CD (1%)	1.8	2.0	3.3	1.1	3.7	3.5	4.3	3.1	2.1	5.3	5.5	2.2	0.9	

TABLE No. 13: (Contd.)		Days to 50% Silking													
Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdapur	Jhabua	Kota	Raipur	Ujjain	Zone-V	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	BIO 274	56.3	59.0	57.3	58.0	66.0	59.7	57.3	63.0	53.3	59.3	56.7	58.3	58.7	
2	DKC(9164)IP9002	56.7	58.7	56.0	57.7	63.3	60.3	54.0	63.0	55.3	58.3	59.0	58.7	58.4	
3	BIO 9682 (C)	55.7	58.7	57.7	58.0	63.3	59.0	54.0	61.7	53.3	58.7	56.3	59.0	57.9	
4	Bio -9681(C)	56.0	58.0	60.0	58.0	63.7	59.0	55.7	62.0	55.0	58.3	58.0	58.7	58.5	
5	CMH 08-282 (C)	56.3	55.7	55.7	57.7	64.3	59.7	50.3	60.3	52.3	54.7	59.3	58.0	57.0	
6	CMH 08-287 (C)	56.0	58.3	59.7	58.7	67.3	59.0	54.7	64.0	56.7	59.0	58.7	57.7	59.1	
7	PMH 1 (C)	56.3	57.3	59.0	58.0	67.0	59.3	52.0	61.7	53.3	58.3	56.0	57.3	58.0	
8	Seed tech 2324(C)	56.3	57.7	57.0	58.3	64.0	59.7	54.7	63.3	53.7	56.0	58.0	58.3	58.1	
	Location Mean	56.2	57.9	57.8	58.0	64.9	59.5	54.1	62.4	54.1	57.8	57.8	58.3	58.2	
	CV (%)	1.5	1.4	1.8	1.0	2.7	2.4	3.4	1.6	1.9	4.9	4.2	1.7	2.6	
	F (Prob)	0.88	0.01	0	0.47	0.05	0.93	0.01	0.01	0	0.48	0.59	0.51	0	
	CD (5%)	1.5	1.5	1.8	1.0	3.0	2.5	3.3	1.8	1.8	5.0	4.3	1.8	0.7	
	CD (1%)	2.0	2.0	2.5	1.4	4.2	3.5	4.5	2.5	2.5	6.9	5.9	2.4	0.9	
		Days to 75% Dry Husk													
Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdapur	Jhabua	Kota	Raipur	Ujjain	Zone-V	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	BIO 274	93.7	90.0	86.3	99.3	104.7	89.0	93.3	98.0	93.7	90.0	101.3	93.7	94.4	
2	DKC(9164)IP9002	92.0	90.0	86.3	99.3	102.0	89.3	84.7	98.0	91.7	91.3	101.7	94.3	93.4	
3	BIO 9682 (C)	93.3	89.3	86.3	100.0	103.3	88.7	86.7	97.0	93.3	90.7	103.0	94.7	93.9	
4	Bio -9681(C)	91.3	89.0	88.3	93.3	101.7	88.7	88.7	96.7	87.7	91.0	103.3	94.3	92.8	
5	CMH 08-282 (C)	88.7	89.0	84.7	89.7	103.0	88.3	86.0	92.0	88.0	89.0	100.7	93.3	91.0	
6	CMH 08-287 (C)	91.7	89.3	87.7	96.0	105.0	89.3	87.0	96.3	93.0	91.0	102.0	93.7	93.5	
7	PMH 1 (C)	88.0	89.3	86.3	90.3	105.0	89.0	85.3	93.3	87.7	90.3	103.3	94.0	91.8	
8	Seed tech 2324(C)	92.3	86.3	86.0	93.7	103.0	89.7	86.0	99.0	89.7	90.7	104.0	94.3	92.9	
	Location Mean	91.4	89.0	86.5	95.2	103.5	89.0	87.2	96.3	90.6	90.5	102.4	94.0	93.0	
	CV (%)	0.8	2.5	1.1	0.8	1.4	1.3	2.1	0.8	2.5	2.1	3.2	1.0	1.8	
	F (Prob)	0	0.57	0.01	0	0.07	0.87	0	0	0.01	0.85	0.9	0.69	0	
	CD (5%)	1.2	3.9	1.7	1.3	2.5	2.0	3.3	1.3	4.0	3.3	5.7	1.7	0.8	
	CD (1%)	1.7	5.3	2.3	1.8	3.5	2.8	4.5	1.8	5.5	4.5	7.9	2.3	1.0	

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TABLE No. 13: (Contd.)		Plant Height (cm)												
Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Ujjain	Zone-V
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 274	260.6	175.8	153.7	187.7	191.5	183.3	188.3	154.7	176.1	220.3	256.5	253.2	200.2
2	DKC(9164)IP9002	262.2	193.3	141.3	197.3	189.3	175.4	185.6	163.9	173.9	204.7	275.1	242.9	200.4
3	BIO 9682 (C)	257.7	188.3	150.7	202.3	172.9	169.9	193.9	155.8	179.7	197.7	263.5	252.4	198.7
4	Bio -9681(C)	294.7	214.0	164.7	233.7	228.0	197.0	186.7	183.9	206.6	200.3	268.7	263.5	220.1
5	CMH 08-282 (C)	295.2	223.3	180.0	226.7	231.5	192.9	175.0	193.1	209.5	205.0	277.7	265.1	222.9
6	CMH 08-287 (C)	290.7	233.3	177.0	227.3	228.3	190.1	183.9	184.1	196.7	209.7	281.7	261.3	222.0
7	PMH 1 (C)	281.8	218.3	183.7	229.0	207.9	189.0	186.7	175.3	198.4	202.7	249.7	265.3	215.7
8	Seed tech 2324(C)	256.9	190.1	160.0	197.0	189.1	170.9	176.1	155.5	173.9	208.7	256.2	254.0	199.0
	Location Mean	275.0	204.6	163.9	212.6	204.8	183.6	184.5	170.8	189.4	206.1	266.1	257.2	209.9
	CV (%)	4.3	6.9	4.3	3.8	10.9	5.6	3.9	7.0	5.2	5.0	7.3	3.0	6.0
	F (Prob)	0	0	0	0	0.04	0.04	0.09	0.01	0	0.29	0.43	0.03	0
	CD (5%)	20.6	24.8	12.5	14.2	39.1	18.0	12.7	21.0	17.1	18.0	33.8	13.7	5.8
	CD (1%)	28.6	34.4	17.3	19.8	54.3	25.0	17.6	29.2	23.7	25.0	46.9	19.0	7.7
		Ear Height (cm)												
Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Ujjain	Zone-V
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 274	113.3	98.8	74.7	97.0	62.9	95.1	90.0	49.9	16.5	102.7	112.5	124.5	86.5
2	DKC(9164)IP9002	109.1	103.2	72.7	104.7	78.0	91.4	87.8	51.7	16.7	96.7	119.1	116.9	87.3
3	BIO 9682 (C)	111.9	100.0	75.0	102.7	77.0	91.0	88.3	52.5	17.3	94.0	109.5	120.3	86.6
4	Bio -9681(C)	121.7	108.3	77.7	117.3	82.1	96.5	84.4	58.9	18.0	92.0	114.7	121.6	91.1
5	CMH 08-282 (C)	128.2	115.3	79.0	116.0	88.5	96.6	76.1	61.6	19.3	92.7	124.7	125.0	93.6
6	CMH 08-287 (C)	120.1	118.3	86.3	116.7	85.9	101.3	87.2	58.1	17.5	98.0	123.9	125.4	94.9
7	PMH 1 (C)	124.7	116.7	92.7	112.3	80.0	96.1	89.4	56.7	19.5	94.3	107.5	132.5	93.5
8	Seed tech 2324(C)	108.7	101.7	82.0	108.7	75.7	89.5	78.3	52.1	19.0	99.7	116.3	124.5	88.0
	Location Mean	117.2	107.8	80.0	109.4	78.8	94.7	85.2	55.2	18.0	96.3	116.0	123.8	90.2
	CV (%)	6.2	10.8	7.2	4.9	12.0	7.5	9.6	5.9	7.5	6.8	15.1	7.1	9.6
	F (Prob)	0.03	0.27	0.01	0	0.12	0.55	0.35	0.01	0.09	0.49	0.9	0.59	0
	CD (5%)	12.7	20.3	10.1	9.3	16.5	12.5	14.3	5.7	2.4	11.4	30.7	15.4	4.0
	CD (1%)	17.6	28.2	14.0	13.0	22.9	17.3	19.9	7.9	3.3	15.8	42.6	21.4	5.3

TABLE No. 14: Trial No. 66,70 (Medium Maturity) AVT-I-II

Yield(kg/ha)

Sl. No.	Entry Name	Ambikapur		Banswara		Bhiloda		Chindwara		Chitrakoot		Dahod		Godhra		Jagdalpur		Jhabua		Kota		Raipur		Udaipur		Ujjain		Zone	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	BH 414176	8338	9	10375	5	3749	17	8531	12	5983	10	7114	18	6598	7	5154	16	6581	12	1359	19	6761	16	4137	7	5515	11	6169	14
2	CCH 9999	8920	6	9656	17	4517	9	8305	14	6193	7	8357	9	7268	4	6961	3	6642	11	2101	8	8434	5	3199	18	5650	10	6631	7
3	DKC 8174 (IQ8319)	10267	1	9845	14	6037	1	11271	2	6226	6	8920	5	6251	11	6219	8	7329	4	2451	3	10405	1	3421	14	5771	5	7263	2
4	DKC 9179 (IQ8627)	9462	4	11034	2	5529	2	12113	1	6868	3	9685	2	5006	18	6665	6	7296	5	2601	2	9006	2	4102	8	5917	2	7330	1
5	DMRH1410	8481	8	9109	19	3835	16	7181	17	6108	9	7934	12	7724	2	4912	17	5787	17	1463	18	6512	18	3253	17	5435	13	5980	16
6	DMRH1419	7806	12	10306	7	4361	13	8831	10	5405	15	8469	8	6288	10	5837	9	7043	8	2618	1	7714	6	4382	5	5740	7	6523	8
7	IMH 1527	7711	14	9703	16	4019	15	7970	16	5025	18	7151	17	6005	13	5441	12	4717	19	1809	16	6587	17	5191	1	5736	8	5928	17
8	IMHBG-2016-4	7333	15	9780	15	4404	11	8622	11	6134	8	6695	19	6680	6	4893	18	6988	9	1514	17	7327	9	4199	6	4943	18	6116	15
9	IMHBG-2016-6	6936	17	10124	10	4673	6	8450	13	5784	11	7295	16	5972	14	4834	19	6984	10	2313	4	7198	11	4796	3	5365	14	6209	13
10	JH 13347	9726	3	9648	18	4722	5	10035	5	5097	17	8636	7	6570	8	7191	2	7834	3	2152	6	7592	7	3521	13	5855	4	6814	6
11	JKMH 1414	10116	2	10287	8	4586	8	9922	7	3391	19	10824	1	5231	17	7417	1	9441	1	2021	10	8524	4	3192	19	5275	15	6941	3
12	KH-2001 GOLD	6792	18	10574	3	3255	19	5977	19	5753	12	7996	10	5317	16	5824	10	5849	16	1879	15	7325	10	3698	12	5867	3	5854	18
13	LMH 1116	7757	13	11176	1	3742	18	9465	8	6923	2	7545	15	6796	5	5498	11	6496	13	1995	12	6960	14	3890	9	5208	16	6419	11
14	LMH 616	8228	10	10020	13	4365	12	9960	6	5530	13	7902	13	5600	15	5323	13	6367	14	2127	7	7129	12	3837	10	5761	6	6319	12
15	RCRMH 2	8636	7	10044	12	4613	7	10667	3	6515	4	8819	6	6132	12	6692	5	8079	2	1999	11	6946	15	4919	2	5704	9	6905	5
16	CMH 08-292 (C)	8172	11	10373	6	4445	10	9454	9	6235	5	7967	11	6560	9	5259	14	6238	15	1906	14	7037	13	4667	4	5497	12	6447	10
17	BIO 9544 (C)	7139	16	10144	9	5016	3	7142	18	5385	16	9027	4	9332	1	6317	7	7242	6	2233	5	7368	8	3412	15	4477	19	6480	9
18	Bio 9637(C)	9375	5	10452	4	4818	4	10117	4	5523	14	9254	3	7425	3	6838	4	7196	7	2038	9	8727	3	3312	16	5012	17	6930	4
19	PMH4 (C)	6190	19	10099	11	4271	14	8041	15	7167	1	7705	14	4998	19	5217	15	5275	18	1951	13	5108	19	3737	11	5956	1	5824	19
	Location Mean	8283	.	10145	.	4471	.	9055	.	5855	.	8279	.	6408	.	5921	.	6810	.	2028	.	7508	.	3940	.	5510	.	6478	.
	CV (%)	16.2	.	10.1	.	12.5	.	13.6	.	21.7	.	13.0	.	21.7	.	9.8	.	16.6	.	24.4	.	14.4	.	13.0	.	10.3	.	15.4	.
	F (Prob)	0.02	.	0.81	.	0	.	0	.	0.22	.	0.01	.	0.08	.	0	.	0.01	.	0.16	.	0	.	0	.	0.19	.	0	.
	CD (5%)	2219.8	.	1701.4	.	927.4	.	2040.8	.	2099.2	.	1783.9	.	2301.5	.	960.5	.	1869.6	.	817.7	.	1788.3	.	845.4	.	937.5	.	444.8	.
	CD (1%)	2976.5	.	2281.4	.	1243.5	.	2736.5	.	2814.8	.	2392.0	.	3086.2	.	1288.0	.	2507.0	.	1096.4	.	2397.9	.	1133.6	.	1257.1	.	585.4	.

Note- DHM 121-check omitted due to very poor germination and viability

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TABLE No. 14: (Contd.)		Plant Stand('000/ha)													
Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Udaipur	Ujjain	Zone
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BH 414176	51.9	66.7	60.2	66.9	72.9	67.8	60.8	57.2	62.7	41.7	62.2	65.1	61.7	61.4
2	CCH 9999	51.7	69.0	59.4	67.2	78.5	66.2	64.2	66.3	63.3	53.0	63.0	65.1	62.0	63.8
3	DKC 8174 (IQ8319)	59.3	68.8	64.1	67.0	72.9	67.8	68.1	64.4	63.6	63.0	65.2	64.6	62.2	65.5
4	DKC 9179 (IQ8627)	55.6	69.2	64.6	68.0	95.6	64.4	62.5	66.5	61.4	66.0	64.3	64.8	60.9	66.4
5	DMRH1410	53.3	66.9	62.2	66.7	76.4	68.5	69.4	58.2	65.1	43.5	58.5	65.1	61.9	62.7
6	DMRH1419	49.1	66.9	54.1	63.5	77.3	64.8	51.0	60.6	59.9	60.4	63.3	65.1	61.5	61.3
7	IMH 1527	48.0	66.0	49.6	45.2	58.6	63.2	58.0	55.7	49.7	45.4	61.1	65.5	61.9	56.0
8	IMHBG-2016-4	49.1	68.5	51.1	58.0	71.1	63.2	60.1	53.9	57.7	40.5	61.5	64.4	62.6	58.6
9	IMHBG-2016-6	47.8	66.7	50.9	44.3	66.9	65.3	53.8	53.2	63.0	50.7	63.9	65.3	62.6	58.0
10	JH 13347	55.6	66.2	57.8	64.8	72.7	68.1	78.8	65.7	67.6	54.2	62.4	64.6	61.7	64.6
11	JKMH 1414	55.7	68.1	59.3	64.4	76.2	67.8	62.2	67.6	65.7	57.2	62.0	65.3	62.0	64.1
12	KH-2001 GOLD	50.0	69.0	54.1	67.2	70.8	63.2	56.3	58.3	59.6	47.2	61.7	65.3	61.9	60.3
13	LMH 1116	51.7	66.9	56.9	68.9	78.2	66.0	64.6	55.7	60.2	52.3	62.2	65.3	62.0	62.4
14	LMH 616	52.8	67.6	58.0	66.7	75.5	68.5	51.4	56.1	63.0	57.9	62.8	64.8	61.5	62.0
15	RCRMH 2	54.4	68.5	60.9	67.0	78.7	67.4	57.6	65.4	67.0	45.8	61.3	65.3	61.7	63.2
16	CMH 08-292 (C)	50.9	68.3	57.0	60.6	79.4	65.5	62.5	55.4	62.0	50.0	61.1	65.1	61.7	61.5
17	BIO 9544 (C)	48.3	69.9	61.1	65.4	74.1	68.5	71.5	59.4	63.0	59.3	63.2	65.1	62.2	63.9
18	Bio 9637(C)	53.9	66.9	64.8	64.6	77.3	68.5	63.2	65.9	63.3	57.4	61.5	66.0	62.4	64.3
19	PMH4 (C)	46.3	66.7	56.9	61.9	76.4	62.0	53.5	53.2	53.1	44.9	55.0	63.2	60.9	58.0
	Location Mean	51.9	67.7	58.1	63.1	75.2	66.1	61.6	59.9	61.6	52.1	61.9	65.0	61.9	62.0
	CV (%)	9.3	2.6	7.2	7.7	13.1	5.9	17.9	4.7	9.5	13.7	5.0	1.0	1.1	9.0
	F (Prob)	0.16	0.25	0	0	0.14	0.55	0.27	0	0.09	0	0.15	0.01	0.19	0
	CD (5%)	8.0	2.9	6.9	8.0	16.3	6.5	18.3	4.6	9.7	11.8	5.2	1.0	1.1	2.5
	CD (1%)	10.7	3.9	9.2	10.8	21.8	8.7	24.5	6.2	13.0	15.8	6.9	1.4	1.5	3.3

TABLE No. 14: (Contd.)		Shelling(%)													
Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdapur	Jhabua	Kota	Raipur	Udaipur	Ujjain	Zone
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BH 414176	76.3	79.4	77.8	81.4	68.8	82.6	80.7	79.0	76.3	78.7	79.8	82.6	81.7	78.9
2	CCH 9999	75.5	78.5	76.5	84.4	55.7	81.6	78.6	80.0	81.1	77.6	80.3	82.5	81.6	78.0
3	DKC 8174 (IQ8319)	77.2	77.3	76.6	83.4	75.3	82.1	80.6	79.2	82.4	79.7	79.8	83.2	80.8	79.8
4	DKC 9179 (IQ8627)	74.7	78.1	79.8	82.2	70.5	80.8	78.2	79.8	82.6	79.3	79.0	83.5	81.7	79.2
5	DMRH1410	75.5	77.5	73.3	80.6	66.4	80.3	79.0	78.7	81.2	77.9	79.5	82.9	82.3	78.1
6	DMRH1419	75.2	77.6	75.3	81.0	65.9	79.2	81.5	79.7	79.1	78.0	79.9	82.9	81.7	78.2
7	IMH 1527	75.5	79.8	80.7	83.4	68.2	83.2	77.6	80.1	81.6	79.5	81.0	82.4	80.6	79.5
8	IMHBG-2016-4	74.9	78.8	77.0	80.1	68.8	79.8	73.6	79.5	81.1	78.0	78.9	83.2	81.0	78.0
9	IMHBG-2016-6	74.8	78.3	75.2	79.9	67.4	78.1	77.6	78.7	80.6	77.8	80.7	83.3	81.5	78.0
10	JH 13347	75.2	77.3	78.4	83.1	64.1	83.7	75.4	80.5	82.8	78.6	78.8	83.5	80.0	78.6
11	JKMH 1414	74.5	77.3	78.3	84.2	65.0	86.5	84.7	78.7	85.7	79.9	80.4	83.2	81.9	80.0
12	KH-2001 GOLD	74.2	79.6	73.1	83.9	66.9	83.3	81.9	80.0	82.3	79.0	80.6	83.7	82.3	79.3
13	LMH 1116	77.4	79.1	75.9	84.5	70.5	80.6	83.9	79.1	82.5	79.8	81.0	83.3	81.7	79.9
14	LMH 616	75.7	78.2	74.3	84.6	72.1	78.3	74.8	80.2	81.1	78.8	81.0	83.4	81.6	78.8
15	RCRMH 2	77.2	77.0	79.2	82.7	73.0	82.8	80.7	79.8	82.7	80.0	80.0	83.0	81.5	80.0
16	CMH 08-292 (C)	75.9	78.5	78.1	79.5	67.7	82.1	80.8	79.0	83.7	79.0	80.4	83.0	81.9	79.2
17	BIO 9544 (C)	76.9	78.6	77.1	79.8	71.1	86.0	87.4	79.8	84.0	80.1	80.2	83.9	80.7	80.4
18	Bio 9637(C)	74.8	77.1	76.2	83.2	65.4	85.3	86.0	80.1	86.4	79.7	80.0	83.9	81.3	80.0
19	PMH4 (C)	75.7	78.8	79.0	85.1	75.4	84.3	75.0	78.8	85.2	80.2	79.9	83.2	82.0	80.2
	Location Mean	75.7	78.2	76.9	82.5	68.3	82.2	79.9	79.5	82.2	79.0	80.1	83.2	81.5	79.2
	CV (%)	2.8	0.9	2.9	2.6	9.4	2.4	4.4	2.2	5.2	1.3	1.5	0.7	1.7	3.5
	F (Prob)	0.87	0	0.01	0.02	0.16	0	0	0.99	0.61	0.02	0.53	0.06	0.9	0
	CD (5%)	3.5	1.1	3.7	3.5	10.6	3.2	5.8	2.9	7.1	1.7	2.0	0.9	2.3	1.2
	CD (1%)	4.7	1.5	5.0	4.7	14.2	4.3	7.8	3.8	9.6	2.2	2.7	1.2	3.1	1.6

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TABLE No. 14: (Contd.)		Moisture(%)													
Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Udaipur	Ujjain	Zone
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BH 414176	13.8	17.0	20.3	15.4	29.1	21.2	19.6	14.6	11.6	12.7	14.9	18.2	20.0	17.6
2	CCH 9999	14.1	17.6	24.8	14.8	28.4	21.9	20.3	15.8	11.6	13.0	15.9	18.6	20.0	18.2
3	DKC 8174 (IQ8319)	14.6	17.2	25.7	18.5	28.5	21.2	18.9	15.5	12.2	14.9	16.9	18.9	20.0	18.7
4	DKC 9179 (IQ8627)	14.4	16.9	25.9	19.3	26.0	21.9	19.7	15.4	11.6	16.9	17.0	19.1	20.0	18.8
5	DMRH1410	14.4	17.5	22.7	15.6	28.0	23.6	17.6	14.7	12.2	14.3	14.8	19.0	20.0	18.0
6	DMRH1419	13.7	16.9	22.3	17.5	29.2	22.7	21.0	15.0	12.5	16.2	15.2	18.9	20.0	18.5
7	IMH 1527	13.8	17.1	24.7	17.6	32.7	22.0	19.3	14.6	12.8	13.7	15.1	18.6	20.0	18.6
8	IMHBG-2016-4	13.5	17.2	23.3	17.9	31.0	21.5	18.5	13.9	12.8	12.5	14.9	19.7	20.0	18.2
9	IMHBG-2016-6	13.2	16.6	25.8	18.3	33.2	21.5	20.8	13.9	13.7	14.5	15.4	19.3	20.0	18.9
10	JH 13347	14.9	17.5	25.8	17.2	33.4	21.6	19.9	16.2	13.7	14.8	15.2	18.9	20.0	19.2
11	JKMH 1414	14.8	16.7	26.1	16.1	28.0	21.7	20.4	17.0	12.7	13.8	15.6	19.1	20.0	18.6
12	KH-2001 GOLD	13.1	16.9	25.1	16.3	28.6	22.6	18.6	14.5	12.0	13.6	14.4	19.7	20.0	18.1
13	LMH 1116	13.4	17.0	22.8	17.5	27.6	22.1	19.5	14.5	12.2	14.9	14.6	18.8	20.0	18.1
14	LMH 616	13.9	16.9	23.9	18.9	33.0	22.7	19.0	15.2	11.5	15.9	15.2	19.5	20.0	18.9
15	RCRMH 2	14.0	17.2	23.6	18.1	28.8	22.7	21.2	15.3	12.5	13.5	14.1	18.8	20.0	18.5
16	CMH 08-292 (C)	13.9	17.1	25.8	18.8	28.2	21.8	18.2	14.7	12.1	14.0	14.8	19.1	20.0	18.3
17	BIO 9544 (C)	13.0	16.0	22.5	19.0	26.1	21.3	18.2	15.7	12.2	15.5	15.2	19.6	20.0	18.0
18	Bio 9637(C)	14.3	17.3	25.4	18.2	27.4	21.5	19.9	16.1	12.4	15.3	15.7	19.1	20.0	18.6
19	PMH4 (C)	12.3	17.0	20.3	17.6	26.3	20.2	19.0	13.7	12.5	13.3	14.1	19.1	20.0	17.3
	Location Mean	13.9	17.0	24.0	17.5	29.1	21.9	19.4	15.1	12.4	14.4	15.2	19.0	20.0	18.4
	CV (%)	5.1	2.0	5.0	7.5	7.9	6.1	6.2	4.8	9.2	7.3	5.5	1.8	0.0	6.1
	F (Prob)	0.01	0	0	0	0	0.54	0.03	0	0.59	0	0.01	0	.	0
	CD (5%)	1.2	0.6	2.0	2.2	3.8	2.2	2.0	1.2	1.9	1.7	1.4	0.6	0.0	0.5
	CD (1%)	1.6	0.8	2.7	2.9	5.1	3.0	2.7	1.6	2.5	2.3	1.9	0.8	0.0	0.7

TABLE No. 14: (Contd.)

Days to 50% Pollen Shed

Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Udaipur	Ujjain	Zone
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BH 414176	52.7	45.3	55.0	54.7	53.7	50.7	43.7	54.7	51.7	53.3	50.3	56.3	53.7	52.0
2	CCH 9999	52.3	45.3	53.0	55.3	54.0	49.0	44.0	52.7	49.7	52.3	48.0	57.0	52.3	51.2
3	DKC 8174 (IQ8319)	53.0	45.7	54.3	57.3	53.7	51.3	43.7	55.7	51.0	52.3	49.7	58.0	52.7	52.2
4	DKC 9179 (IQ8627)	53.0	46.0	54.0	55.3	51.7	51.0	43.7	55.0	51.7	53.3	48.3	57.3	52.3	51.7
5	DMRH1410	53.7	44.0	55.3	59.7	56.7	49.7	47.3	57.3	51.0	53.7	50.3	58.7	52.7	53.1
6	DMRH1419	53.0	45.0	54.0	56.3	55.0	50.7	45.0	55.0	51.3	52.7	47.3	56.3	52.7	51.9
7	IMH 1527	51.0	45.0	53.0	56.0	54.3	49.7	44.3	54.0	50.7	51.7	51.0	56.3	53.0	51.5
8	IMHBG-2016-4	53.3	46.0	55.0	56.7	59.7	51.7	48.3	57.3	52.3	54.0	49.0	59.0	53.0	53.5
9	IMHBG-2016-6	53.7	45.0	54.7	56.7	58.3	51.3	47.0	56.0	52.3	53.3	48.0	58.3	52.3	52.9
10	JH 13347	53.0	45.3	54.7	55.7	54.3	50.3	43.7	55.0	51.0	53.0	48.3	58.0	52.7	51.9
11	JKMH 1414	53.0	47.0	55.0	56.3	56.7	50.3	44.7	54.7	51.0	53.7	46.7	57.7	53.3	52.3
12	KH-2001 GOLD	52.7	46.0	52.3	55.7	53.7	50.7	42.3	55.0	50.3	52.0	47.7	56.7	52.7	51.4
13	LMH 1116	52.0	45.0	52.7	55.7	52.3	50.0	44.3	53.3	49.3	52.7	44.7	57.0	53.0	50.9
14	LMH 616	52.0	45.0	54.3	56.7	54.3	50.3	43.7	55.0	50.3	52.0	52.0	56.7	52.3	51.9
15	RCRMH 2	52.7	44.0	53.3	55.3	53.0	51.7	42.7	55.0	50.7	52.3	48.3	55.3	52.7	51.3
16	CMH 08-292 (C)	52.7	45.3	53.0	56.3	55.3	49.7	44.0	54.7	50.0	52.3	50.7	57.0	53.3	51.9
17	BIO 9544 (C)	53.3	45.7	54.7	56.0	54.7	50.3	47.3	55.7	51.0	53.7	50.7	58.0	52.7	52.6
18	Bio 9637(C)	52.7	45.0	55.3	55.0	56.3	50.3	43.7	54.7	51.7	54.0	49.7	57.7	52.7	52.2
19	PMH4 (C)	50.0	44.0	51.3	54.7	50.3	49.3	43.7	52.7	50.0	51.3	50.3	56.7	53.3	50.6
	Location Mean	52.6	45.3	54.0	56.1	54.6	50.4	44.6	54.9	50.9	52.8	49.0	57.3	52.8	51.9
	CV (%)	1.3	2.7	1.6	1.7	3.7	4.7	5.6	2.5	2.0	2.8	6.3	2.0	1.5	3.2
	F (Prob)	0	0.37	0	0	0	0.99	0.22	0.01	0.04	0.59	0.49	0.04	0.76	0
	CD (5%)	1.2	2.0	1.5	1.6	3.3	3.9	4.2	2.2	1.7	2.4	5.1	1.9	1.3	0.7
	CD (1%)	1.6	2.7	2.0	2.1	4.5	5.2	5.6	3.0	2.3	3.3	6.9	2.5	1.8	1.0

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TABLE No. 14: (Contd.)

Days to 50% Silking

Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Udaipur	Ujjain	Zone
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BH 414176	55.3	49.0	58.0	55.3	60.0	56.0	45.3	58.0	54.0	56.3	53.3	59.7	57.7	55.2
2	CCH 9999	55.3	48.7	56.3	55.7	59.0	54.0	45.3	56.3	51.7	56.0	51.0	59.7	56.3	54.3
3	DKC 8174 (IQ8319)	56.0	49.0	57.7	58.3	60.0	57.0	44.7	59.0	53.0	55.7	52.0	60.7	56.7	55.4
4	DKC 9179 (IQ8627)	55.7	49.0	56.3	56.3	59.0	56.3	45.7	58.3	53.7	57.0	50.3	60.0	56.3	54.9
5	DMRH1410	56.7	47.0	58.7	60.0	62.7	55.3	49.3	61.3	54.3	56.0	52.3	61.3	56.7	56.3
6	DMRH1419	56.0	48.3	57.3	57.3	60.0	57.3	47.7	59.0	53.3	55.3	50.3	58.7	56.7	55.2
7	IMH 1527	54.0	48.0	56.3	56.7	59.3	55.3	46.0	57.3	52.7	55.7	53.3	59.0	57.0	54.7
8	IMHBG-2016-4	56.3	49.3	58.0	57.3	63.7	56.7	50.0	60.7	54.3	57.3	51.3	61.3	57.0	56.4
9	IMHBG-2016-6	56.7	48.0	57.3	57.0	62.7	56.3	48.0	59.3	54.3	56.3	50.3	60.3	56.3	55.6
10	JH 13347	56.3	48.3	58.3	55.7	59.7	55.7	46.0	58.3	53.3	56.3	50.3	60.3	56.7	55.0
11	JKMH 1414	56.0	50.3	57.7	57.7	62.0	56.0	46.0	58.3	54.0	56.7	49.7	60.0	57.3	55.5
12	KH-2001 GOLD	55.7	49.3	55.3	56.3	58.0	56.0	43.3	58.7	52.7	57.0	50.0	59.0	56.7	54.5
13	LMH 1116	54.7	48.0	55.7	56.3	56.0	55.7	45.7	56.3	51.7	56.7	48.0	59.3	57.0	53.9
14	LMH 616	54.7	48.0	57.7	57.7	59.0	56.0	45.3	58.3	52.3	55.3	54.3	59.3	56.3	55.0
15	RCRMH 2	56.0	47.0	57.3	55.3	56.0	57.0	45.0	58.3	52.7	56.3	50.7	59.3	56.7	54.4
16	CMH 08-292 (C)	55.3	49.0	56.7	56.7	60.0	55.7	45.3	57.7	51.7	55.3	53.0	59.0	57.3	54.8
17	BIO 9544 (C)	56.3	48.7	58.0	56.7	59.3	56.0	48.7	59.7	53.7	56.7	53.3	60.3	56.7	55.7
18	Bio 9637(C)	55.3	48.0	58.7	56.0	60.7	56.3	45.3	58.0	53.7	56.3	52.0	59.7	56.7	55.1
19	PMH4 (C)	53.7	47.3	54.7	55.3	56.0	55.7	45.3	56.3	52.0	55.3	52.7	59.0	57.3	53.9
	Location Mean	55.6	48.4	57.2	56.7	59.6	56.0	46.2	58.4	53.1	56.2	51.5	59.8	56.8	55.0
	CV (%)	1.8	2.9	1.3	2.4	3.1	3.6	5.6	2.5	2.1	2.3	6.0	1.8	1.4	3.0
	F (Prob)	0.03	0.38	0	0.01	0	0.98	0.23	0.01	0.03	0.79	0.66	0.13	0.76	0
	CD (5%)	1.7	2.3	1.3	2.2	3.1	3.3	4.3	2.4	1.9	2.1	5.1	1.8	1.3	0.7
	CD (1%)	2.2	3.1	1.7	3.0	4.1	4.4	5.8	3.2	2.5	2.9	6.9	2.4	1.8	1.0

TABLE No. 14: (Contd.)

Days to 75% Dry Husk

Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Udaipur	Ujjain	Zone
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BH 414176	91.0	80.7	83.0	91.7	91.7	80.3	76.7	92.0	84.7	91.3	96.7	86.7	92.3	88.2
2	CCH 9999	91.7	82.0	82.7	93.3	97.3	77.7	76.3	92.7	85.7	91.0	97.7	87.3	91.3	88.7
3	DKC 8174 (IQ8319)	93.3	81.7	82.7	96.7	92.3	80.0	74.3	94.7	89.0	88.0	99.0	87.7	91.7	89.1
4	DKC 9179 (IQ8627)	92.3	79.7	82.3	96.0	92.3	79.0	77.3	94.7	90.3	93.0	97.0	86.3	90.7	89.3
5	DMRH1410	90.0	78.7	84.0	92.3	95.0	78.7	74.7	94.7	86.3	93.3	95.7	87.7	90.3	88.6
6	DMRH1419	91.0	81.3	82.7	93.0	94.7	78.0	75.7	93.3	86.3	90.7	100.0	85.7	90.7	88.5
7	IMH 1527	91.7	79.0	80.3	96.3	94.3	78.0	76.0	92.3	86.7	89.0	96.3	85.3	91.3	88.1
8	IMHBG-2016-4	90.7	81.7	84.3	94.0	94.3	80.0	75.7	93.0	86.3	92.7	100.7	89.3	92.3	89.4
9	IMHBG-2016-6	92.0	81.0	84.0	95.7	96.7	79.3	76.3	92.3	86.0	91.7	98.3	87.3	90.7	89.2
10	JH 13347	94.3	79.7	83.7	97.0	97.3	79.7	75.3	95.0	93.3	91.0	98.3	87.3	90.3	90.2
11	JKMH 1414	90.3	84.0	84.0	92.7	95.0	79.7	71.3	92.7	86.7	92.0	98.7	86.7	91.7	88.4
12	KH-2001 GOLD	90.7	80.0	80.7	93.0	92.7	78.7	74.0	95.3	89.0	90.3	99.3	88.3	91.3	88.6
13	LMH 1116	90.3	81.0	81.0	94.0	97.3	77.7	76.0	91.3	84.7	90.3	97.0	88.3	90.7	88.2
14	LMH 616	92.3	79.0	83.7	96.7	95.3	79.0	74.3	93.3	85.7	91.7	97.7	88.3	91.3	89.1
15	RCRMH 2	92.7	80.0	84.0	96.0	94.3	81.0	74.7	93.7	86.7	91.7	97.3	89.0	92.0	89.4
16	CMH 08-292 (C)	89.7	80.7	81.3	94.3	93.3	79.3	77.7	92.0	83.7	90.3	99.0	86.3	91.0	88.2
17	BIO 9544 (C)	92.3	333.3	83.7	96.0	94.0	80.0	76.7	95.7	92.3	92.0	100.0	88.7	91.0	90.2
18	Bio 9637(C)	92.3	82.0	84.0	99.0	94.3	80.7	77.7	95.0	92.7	92.3	100.3	86.3	92.3	90.6
19	PMH4 (C)	89.0	80.0	80.3	93.3	93.0	79.7	74.3	92.0	86.0	91.0	98.3	86.0	91.0	87.8
	Location Mean	91.5	94.0	82.8	94.8	94.5	79.3	75.5	93.5	87.5	91.2	98.3	87.3	91.3	89.0
	CV (%)	1.4	105.6	1.3	2.4	2.9	2.8	3.5	1.1	2.5	2.3	2.8	1.8	1.2	2.3
	F (Prob)	0	0.46	0	0.02	0.31	0.87	0.47	0	0	0.32	0.69	0.08	0.48	0
	CD (5%)	2.2	164.3	1.8	3.7	4.6	3.6	4.4	1.7	3.6	3.4	4.6	2.5	1.9	0.9
	CD (1%)	2.9	220.3	2.4	5.0	6.1	4.8	5.9	2.2	4.8	4.6	6.1	3.4	2.5	1.2

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TABLE No. 14: (Contd.)		Plant Height(cm)													
Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Udaipur	Ujjain	Zone
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BH 414176	272.3	239.2	175.7	212.3	227.1	189.1	189.4	216.8	208.9	203.0	263.0	198.3	266.3	215.8
2	CCH 9999	257.8	200.7	149.7	168.0	203.7	165.1	184.4	205.0	288.2	190.7	255.4	158.3	264.2	202.8
3	DKC 8174 (IQ8319)	265.1	225.0	161.3	201.7	223.6	170.9	187.8	207.9	199.2	218.0	260.9	176.7	258.3	207.6
4	DKC 9179 (IQ8627)	274.4	226.5	161.7	201.0	248.8	173.3	190.0	212.1	195.5	208.3	269.0	160.6	268.9	209.7
5	DMRH1410	273.5	190.8	161.7	210.0	225.2	181.5	188.3	206.7	194.6	214.7	254.1	180.0	265.7	206.1
6	DMRH1419	272.9	224.2	162.0	217.3	234.3	182.3	187.2	207.8	197.5	207.3	261.3	191.7	256.1	210.7
7	IMH 1527	269.3	202.3	166.0	191.0	222.8	178.7	183.3	194.9	183.6	213.7	244.7	181.7	269.0	202.7
8	IMHBG-2016-4	293.8	230.8	176.7	154.0	233.1	178.3	195.0	220.2	212.8	204.7	262.1	188.3	256.9	209.4
9	IMHBG-2016-6	296.7	249.2	190.3	215.7	251.8	193.2	194.4	219.5	216.7	218.7	264.1	193.3	261.5	222.4
10	JH 13347	965.1	177.5	146.7	169.0	190.0	170.8	149.3	182.0	168.8	209.3	250.7	158.3	261.2	186.1
11	JKMH 1414	297.4	235.0	173.3	218.3	204.1	175.9	195.0	204.3	221.3	190.7	257.7	210.0	254.3	211.7
12	KH-2001 GOLD	239.2	186.7	150.3	171.0	209.7	154.5	183.9	196.5	179.9	202.7	270.5	161.7	264.0	194.3
13	LMH 1116	270.1	147.2	159.7	205.7	248.7	177.4	171.1	208.3	213.2	197.0	242.2	180.0	254.4	200.4
14	LMH 616	250.7	196.7	159.4	191.3	216.5	173.3	187.8	188.7	191.6	200.3	257.9	176.7	269.7	200.8
15	RCRMH 2	265.3	234.2	170.3	208.7	232.2	181.1	180.6	208.4	334.9	212.0	258.1	188.3	267.7	223.0
16	CMH 08-292 (C)	293.2	233.2	181.7	212.7	235.4	191.3	191.1	227.9	221.9	216.3	257.5	198.3	267.9	219.6
17	BIO 9544 (C)	234.3	211.5	150.3	148.0	193.7	160.7	191.1	176.6	175.9	207.3	266.6	161.7	247.3	190.9
18	Bio 9637(C)	266.4	223.2	166.7	203.3	198.4	179.8	191.1	205.3	201.8	203.0	271.1	178.3	258.3	206.7
19	PMH4 (C)	216.1	187.3	146.3	167.3	205.3	154.9	182.8	172.7	172.1	198.7	263.6	156.7	262.1	189.2
	Location Mean	303.9	211.6	163.7	193.0	221.3	175.4	185.5	203.2	209.4	206.1	259.5	179.3	261.8	205.9
	CV (%)	94.6	15.4	5.0	15.5	6.9	5.8	9.9	3.2	29.8	7.0	6.7	6.3	4.3	12.1
	F (Prob)	0.53	0.05	0	0.07	0	0	0.5	0	0.28	0.47	0.86	0	0.59	0
	CD (5%)	476.2	53.9	13.6	49.4	25.1	16.9	30.3	10.8	103.3	23.9	28.6	18.8	18.8	11.5
	CD (1%)	638.6	72.3	18.3	66.2	33.6	22.7	40.6	14.4	138.5	32.1	38.3	25.2	25.2	15.1

TABLE No. 14: (Contd.)		Ear Height(cm)													
Sl. No.	Entry Name	Ambikapur	Banswara	Bhiloda	Chindwara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Udaipur	Ujjain	Zone
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BH 414176	117.0	129.2	82.0	96.0	94.0	91.0	85.0	66.5	18.3	103.0	115.0	100.0	125.1	94.0
2	CCH 9999	101.9	102.5	69.3	85.0	74.2	82.1	76.1	62.5	17.2	100.7	113.8	66.7	116.0	82.1
3	DKC 8174 (IQ8319)	108.5	111.5	79.0	97.3	89.9	89.2	85.0	68.4	17.8	106.3	110.5	88.3	116.0	89.8
4	DKC 9179 (IQ8627)	101.2	112.5	71.3	103.3	85.2	78.5	88.3	66.4	15.6	105.3	112.3	62.7	119.6	86.3
5	DMRH1410	120.3	104.8	82.7	109.7	92.3	100.3	92.2	63.8	16.0	107.0	110.0	85.0	122.7	92.8
6	DMRH1419	117.8	117.3	78.0	96.7	90.0	93.5	91.1	65.7	19.7	105.3	115.0	86.7	114.9	91.7
7	IMH 1527	95.9	100.8	73.3	88.3	78.9	83.2	80.0	63.0	17.1	110.0	107.5	76.7	124.7	84.6
8	IMHBG-2016-4	114.7	120.2	78.0	95.7	88.7	83.3	90.0	68.0	18.3	101.0	107.9	85.0	117.3	89.9
9	IMHBG-2016-6	116.3	134.2	83.7	98.0	98.2	94.1	91.1	66.8	17.2	103.3	109.8	86.7	109.5	93.0
10	JH 13347	105.5	98.3	69.7	84.7	72.5	85.7	86.1	57.7	17.4	106.7	110.8	66.7	118.9	83.1
11	JKMH 1414	113.7	124.8	76.0	104.0	81.4	93.7	90.6	67.1	18.1	90.0	108.0	86.7	112.3	89.7
12	KH-2001 GOLD	82.5	84.0	62.7	71.7	61.0	66.3	83.3	63.2	16.1	98.7	108.2	60.0	120.3	75.2
13	LMH 1116	101.9	108.3	63.3	97.3	88.3	82.6	79.8	66.6	17.7	101.7	103.9	85.0	101.3	84.4
14	LMH 616	95.4	110.7	69.3	93.7	79.7	87.9	88.6	61.0	16.5	104.0	111.9	81.7	127.3	86.7
15	RCRMH 2	96.3	113.3	69.3	90.7	87.3	87.0	79.9	66.2	17.1	101.0	106.8	71.7	114.8	84.7
16	CMH 08-292 (C)	125.7	117.5	86.7	109.7	101.3	94.2	87.8	68.7	19.2	105.3	111.0	93.3	124.5	95.8
17	BIO 9544 (C)	96.7	111.7	75.0	77.0	75.7	81.1	91.1	58.7	16.8	101.7	109.7	71.7	111.9	83.0
18	Bio 9637(C)	103.0	115.2	73.7	96.3	81.1	89.8	78.2	64.3	16.1	103.0	113.5	80.0	120.4	87.3
19	PMH4 (C)	81.9	100.8	69.0	80.7	70.4	69.3	83.3	61.3	17.5	97.3	110.9	60.0	121.6	78.8
	Location Mean	105.1	111.5	74.3	93.5	83.7	85.9	85.7	64.5	17.3	102.7	110.4	78.9	117.8	87.0
	CV (%)	7.4	9.2	8.7	12.3	9.6	7.1	11.9	4.1	4.9	8.5	7.1	9.4	6.5	9.0
	F (Prob)	0	0	0	0.01	0	0	0.76	0	0	0.73	0.98	0	0.03	0
	CD (5%)	12.9	17.0	10.7	19.0	13.4	10.1	16.8	4.4	1.4	14.4	13.0	12.3	12.8	3.5
	CD (1%)	17.3	22.8	14.3	25.5	17.9	13.5	22.6	5.9	1.9	19.3	17.4	16.6	17.1	4.6

TABLE No. 15: Trial No. 67,71 (Early Maturity) AVT-I-II		Yield(kg/ha)																							
Sl. No.	Entry Name	Ambikapur		Banswara		Chitrakoot		Dahod		Godhra		Jagdapur		Jhabua		Kota		Raipur		Udaipur		Ujjain		Zone-V	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	JKMH 4222	9002	3	4593	4	5848	3	8726	2	4029	6	4120	5	6788	2	3065	2	9027	2	4128	1	5585	6	5901	2
2	KH-102	6808	6	3561	7	4300	7	7724	7	4343	4	4186	4	5882	5	2445	5	7879	4	3785	2	5760	5	5152	6
3	Bio9682 (Filler)	9183	1	5712	1	4849	5	10950	1	4879	2	5703	1	6679	3	2946	3	9206	1	3491	3	6475	1	6370	1
4	BIO605 (C)	9005	2	4714	3	5772	4	8181	4	3866	7	5124	3	6391	4	2213	6	6349	7	2972	5	6206	3	5527	4
5	DKC 7074 (C)	7183	5	5567	2	4695	6	8648	3	4766	3	5597	2	7255	1	3203	1	8346	3	2484	7	6421	2	5833	3
6	PMH5 (C)	8691	4	3964	5	6016	1	7949	5	4067	5	3741	6	4470	6	2451	4	6994	5	3328	4	5764	4	5221	5
7	Prakash (C)	5619	7	3860	6	5926	2	7880	6	5414	1	3339	7	4430	7	1483	7	6595	6	2588	6	4502	7	4694	7
	Location Mean	7927	.	4567	.	5344	.	8580	.	4481	.	4544	.	5985	.	2544	.	7771	.	3254	.	5816	.	5561	.
	CV (%)	10.2	.	22.1	.	13.3	.	22.8	.	27.9	.	21.2	.	14.2	.	19.9	.	16.4	.	14.1	.	18.2	.	18.2	.
	F (Prob)	0.00	.	0.14	.	0.05	.	0.48	.	0.85	.	0.06	.	0.01	.	0.02	.	0.09	.	0.01	.	0.36	.	0.00	.
	CD (5%)	1441	.	1798	.	1261	.	3472	.	2497	.	1713	.	1515	.	903	.	2273	.	816	.	1879	.	504	.
	CD (1%)	2020	.	2521	.	1768	.	4867	.	3783	.	2401	.	2124	.	1265	.	3186	.	1144	.	2634	.	666	.

TABLE No. 15: (Contd.)

Plant Stand('000/ha)

Sl. No.	Entry Name	Ambikapur	Banswara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Udaipur	Ujjain	Zone-V
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JKMH 4222	78.5	63.4	76.6	71.3	46.9	78.7	70.7	66.7	80.1	63.9	61.7	68.9
2	KH-102	63.7	65.5	74.1	61.6	59.4	65.5	63.0	58.6	76.2	65.5	60.7	64.9
3	Bio9682(Filler)	76.4	70.1	73.8	69.0	54.2	82.2	68.2	60.7	81.7	62.0	61.1	69.0
4	BIO605 (C)	75.7	68.3	75.5	66.4	65.6	81.5	60.8	51.2	76.2	56.7	62.0	67.3
5	DKC 7074 (C)	65.3	65.5	77.3	67.8	52.1	57.9	67.9	65.5	78.9	44.0	61.1	63.9
6	PMH5 (C)	73.8	64.8	78.5	72.9	59.0	69.4	64.5	56.3	74.8	58.6	61.9	66.8
7	Prakash (C)	57.9	58.3	74.8	57.6	42.7	66.0	58.0	44.4	72.7	50.7	61.3	58.6
	Location Mean	70.2	65.2	75.8	66.7	54.3	71.6	64.7	57.6	77.2	57.3	61.4	66.0
	CV (%)	8.0	7.6	3.6	4.7	10.3	23.0	5.7	12.3	5.8	11.8	1.9	10.2
	F (Prob)	0.00	0.20	0.35	0.00	0.06	0.49	0.01	0.02	0.26	0.02	0.81	0.00
	CD (5%)	10.0	8.8	4.8	5.6	11.2	29.3	6.6	12.6	8.0	12.1	2.1	3.4
	CD (1%)	14.0	12.4	6.7	7.8	16.9	41.1	9.2	17.6	11.2	16.9	2.9	4.4

Shelling(%)

Sl. No.	Entry Name	Ambikapur	Banswara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Udaipur	Ujjain	Zone-V
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JKMH 4222	76.6	77.2	74.2	84.4	86.5	78.9	76.5	79.3	80.4	81.5	81.6	79.7
2	KH-102	75.3	75.8	64.5	86.1	79.9	79.1	71.9	77.3	79.6	81.4	81.9	77.5
3	Bio9682(Filler)	75.6	75.5	71.9	85.2	76.6	81.0	72.5	78.4	80.0	79.9	83.0	78.1
4	BIO605 (C)	74.9	72.2	71.3	83.1	69.4	79.1	76.1	77.9	80.0	80.9	83.9	77.1
5	DKC 7074 (C)	75.5	75.5	70.5	82.3	86.1	79.7	73.0	78.2	80.4	81.3	84.6	78.8
6	PMH5 (C)	75.3	73.4	77.3	83.0	76.9	78.7	76.5	78.5	78.5	80.7	81.8	78.3
7	Prakash (C)	77.4	74.4	80.6	87.2	88.3	79.4	79.6	80.5	79.8	81.6	80.3	80.8
	Location Mean	75.8	74.8	72.9	84.5	80.5	79.4	75.2	78.6	79.8	81.0	82.5	78.6
	CV (%)	1.5	1.8	3.4	3.7	0.0	2.0	7.2	1.4	1.2	0.5	3.4	3.1
	F (Prob)	0.17	0.01	0.00	0.46	0.00	0.67	0.59	0.07	0.29	0.00	0.57	0.00
	CD (5%)	2.0	2.4	4.5	5.5	0.0	2.9	9.7	2.0	1.7	0.8	5.0	1.2
	CD (1%)	2.8	3.3	6.3	7.8	0.0	4.0	13.6	2.8	2.3	1.1	7.1	1.6

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TABLE No. 15: (Contd.)

Moisture(%)

Sl. No.	Entry Name	Ambikapur	Banswara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Udaipur	Ujjain	Zone-V
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JKMH 4222	15.9	16.4	32.1	19.9	14.3	15.9	12.2	17.8	15.9	13.7	20.0	17.6
2	KH-102	14.3	16.1	31.7	19.6	15.8	14.3	13.7	15.6	14.9	12.6	20.0	17.1
3	Bio9682(Filler)	16.3	16.2	34.2	20.3	16.2	16.3	16.5	16.8	16.7	14.2	20.0	18.5
4	BIO605 (C)	15.8	15.9	34.8	17.8	17.8	15.8	11.6	16.2	15.2	13.5	20.0	17.7
5	DKC 7074 (C)	14.9	16.2	33.2	20.8	13.1	14.9	11.5	18.2	15.1	14.0	20.0	17.5
6	PMH5 (C)	15.6	16.2	30.9	18.3	15.4	15.6	11.2	15.7	14.5	12.7	20.0	16.9
7	Prakash (C)	13.7	16.3	31.5	19.6	12.2	13.7	12.1	13.3	14.6	14.0	20.0	16.5
	Location Mean	15.2	16.2	32.7	19.5	15.0	15.2	12.7	16.2	15.3	13.5	20.0	17.5
	CV (%)	3.9	1.0	9.8	5.2	0.0	3.9	17.0	7.9	6.3	5.5	0.0	7.7
	F (Prob)	0.00	0.06	0.71	0.04	0.00	0.00	0.11	0.01	0.16	0.12	.	0.00
	CD (5%)	1.1	0.3	5.7	1.8	0.0	1.1	3.8	2.3	1.7	1.3	0.0	0.7
	CD (1%)	1.5	0.4	8.0	2.5	0.0	1.5	5.4	3.2	2.4	1.8	0.0	0.9

Days to 50% Pollen Shed

Sl. No.	Entry Name	Ambikapur	Banswara	Chitrakoot	Dahod	Godhra	Jagdalpur	Jhabua	Kota	Raipur	Udaipur	Ujjain	Zone-V
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JKMH 4222	48.7	42.3	51.7	46.3	49.0	53.7	50.0	49.7	38.7	52.7	45.3	48.0
2	KH-102	48.0	42.3	50.7	46.3	50.0	53.0	50.3	51.0	46.7	54.3	45.0	48.9
3	Bio9682(Filler)	52.0	42.7	57.7	46.3	50.0	59.3	51.7	52.3	47.7	59.7	45.3	51.3
4	BIO605 (C)	50.7	42.3	55.7	45.3	52.0	57.0	50.0	52.0	49.3	57.3	45.0	50.6
5	DKC 7074 (C)	51.3	41.7	53.7	45.7	50.0	57.3	50.0	51.0	43.0	56.7	45.3	49.6
6	PMH5 (C)	46.0	42.3	50.0	45.7	47.0	51.3	48.3	49.0	41.0	53.7	46.0	47.3
7	Prakash (C)	47.3	41.7	51.0	45.0	47.0	53.3	49.3	49.0	42.7	53.3	45.3	47.7
	Location Mean	49.1	42.2	52.9	45.8	49.3	55.0	50.0	50.6	44.1	55.4	45.3	49.1
	CV (%)	3.2	2.8	2.1	2.5	5.1	3.1	2.1	1.9	8.8	2.0	2.1	3.5
	F (Prob)	0.00	0.93	0.00	0.67	0.49	0.00	0.07	0.00	0.05	0.00	0.88	0.00
	CD (5%)	2.8	2.1	2.0	2.0	5.0	3.0	1.9	1.7	6.9	2.0	1.7	0.9
	CD (1%)	3.9	3.0	2.8	2.8	7.6	4.2	2.7	2.3	9.7	2.8	2.3	1.1

TABLE No. 15: (Contd.)

Days to 50% Silking

Sl. No.	Entry Name	Ambikapur Mean	Banswara Mean	Chitrakoot Mean	Dahod Mean	Godhra Mean	Jagdalpur Mean	Jhabua Mean	Kota Mean	Raipur Mean	Udaipur Mean	Ujjain Mean	Zone-V Mean
1	JKMH 4222	52.0	44.7	55.7	51.3	50.5	57.0	51.7	52.3	41.3	54.7	49.3	51.0
2	KH-102	50.7	45.3	55.0	51.7	52.0	56.0	53.0	53.7	49.7	56.7	49.0	52.1
3	Bio9682(Filler)	54.7	45.7	62.3	52.0	51.0	63.3	54.3	55.0	49.7	62.3	49.3	54.5
4	BIO605 (C)	53.7	45.3	61.0	51.3	54.0	60.3	52.0	55.0	52.0	60.3	49.0	54.0
5	DKC 7074 (C)	54.7	44.3	56.7	51.0	52.5	60.7	36.0	54.0	45.3	59.0	49.3	51.2
6	PMH5 (C)	49.0	45.3	54.7	50.7	49.0	55.3	50.3	52.0	43.3	56.0	49.7	50.5
7	Prakash (C)	50.3	45.0	55.3	51.0	49.5	57.0	51.0	51.7	45.0	55.7	49.3	51.0
	Location Mean	52.1	45.1	57.2	51.3	51.2	58.5	49.8	53.4	46.6	57.8	49.3	52.1
	CV (%)	3.1	3.1	2.4	2.8	5.1	2.5	20.2	2.3	8.4	2.3	1.8	6.9
	F (Prob)	0.00	0.91	0.00	0.92	0.55	0.00	0.40	0.02	0.05	0.00	0.97	0.00
	CD (5%)	2.9	2.5	2.4	2.5	5.3	2.7	17.9	2.2	7.0	2.3	1.5	1.8
	CD (1%)	4.0	3.4	3.4	3.5	8.0	3.7	25.1	3.1	9.8	3.3	2.2	2.4

Days to 75% Dry Husk

Sl. No.	Entry Name	Ambikapur Mean	Banswara Mean	Chitrakoot Mean	Dahod Mean	Godhra Mean	Jagdalpur Mean	Jhabua Mean	Kota Mean	Raipur Mean	Udaipur Mean	Ujjain Mean	Zone-V Mean
1	JKMH 4222	85.7	74.0	82.0	76.3	87.0	92.0	84.3	83.0	83.0	88.0	87.0	83.9
2	KH-102	86.3	73.3	81.0	75.3	83.5	93.0	85.0	83.3	85.7	89.3	88.0	84.0
3	Bio9682(Filler)	90.7	75.0	84.7	77.0	82.5	99.3	91.3	85.0	85.0	92.0	87.7	86.4
4	BIO605 (C)	86.7	74.7	84.7	76.3	86.5	93.7	85.3	84.7	86.3	88.7	87.7	85.0
5	DKC 7074 (C)	87.3	74.3	82.3	75.7	85.5	94.0	86.3	84.7	82.3	87.3	87.0	84.3
6	PMH5 (C)	86.3	74.0	80.7	74.7	85.0	91.7	84.3	82.0	80.7	87.7	87.7	83.2
7	Prakash (C)	86.3	73.7	81.7	75.3	82.5	93.7	85.3	83.3	85.3	86.7	88.0	83.8
	Location Mean	87.1	74.1	82.4	75.8	84.6	93.9	86.0	83.7	84.1	88.5	87.6	84.3
	CV (%)	0.7	2.2	1.4	2.3	2.7	1.2	2.3	1.9	6.8	1.8	0.8	2.7
	F (Prob)	0.00	0.87	0.00	0.72	0.39	0.00	0.01	0.30	0.87	0.02	0.42	0.00
	CD (5%)	1.0	2.8	2.1	3.1	4.6	2.0	3.5	2.9	10.2	2.8	1.2	1.1
	CD (1%)	1.4	4.0	2.9	4.4	7.0	2.8	4.9	4.0	14.2	3.9	1.7	1.5

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TABLE No. 15: (Contd.)

Plant Height(cm)

Sl. No.	Entry Name	Ambikapur	Banswara	Chitrakoot	Dahod	Godhra	Jagdapur	Jhabua	Kota	Raipur	Udaipur	Ujjain	Zone-V
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JKM 4222	257.8	151.5	209.7	172.9	152.5	185.2	190.2	224.7	226.1	173.3	240.5	198.6
2	KH-102	202.2	146.7	163.9	144.4	126.7	158.0	167.9	193.7	218.7	140.0	251.8	174.0
3	Bio9682(Filler)	235.1	152.3	186.1	170.5	146.7	172.9	178.3	218.0	226.5	150.0	258.2	190.4
4	BIO605 (C)	238.8	153.3	205.9	160.3	145.0	179.1	194.7	211.3	232.4	168.3	264.3	195.8
5	DKC 7074 (C)	205.9	149.2	179.0	158.5	136.7	154.3	173.1	205.0	236.2	148.3	251.5	181.6
6	PMH5 (C)	221.1	147.5	191.8	166.8	134.2	160.1	172.1	207.0	227.0	145.0	243.1	183.3
7	Prakash (C)	209.9	151.5	172.8	160.5	135.0	145.0	154.2	217.3	211.1	140.0	233.9	175.6
	Location Mean	224.4	150.3	187.0	162.0	139.5	164.9	175.8	211.0	225.4	152.1	249.1	187.0
	CV (%)	4.8	6.6	7.6	3.9	5.9	5.7	8.9	9.5	7.2	10.8	6.5	7.4
	F (Prob)	0.00	0.97	0.02	0.00	0.16	0.00	0.11	0.60	0.59	0.15	0.34	0.00
	CD (5%)	19.1	17.5	25.4	11.2	16.4	16.6	27.9	35.8	28.7	29.3	28.9	6.9
	CD (1%)	26.8	24.6	35.6	15.6	24.9	23.3	39.1	50.1	40.2	41.1	40.6	9.1

Ear Height(cm)

Sl. No.	Entry Name	Ambikapur	Banswara	Chitrakoot	Dahod	Godhra	Jagdapur	Jhabua	Kota	Raipur	Udaipur	Ujjain	Zone-V
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JKM 4222	83.5	57.5	57.1	77.1	58.3	59.1	16.0	103.7	91.4	66.7	107.1	70.7
2	KH-102	69.5	53.0	53.1	73.3	45.8	53.9	13.6	80.3	90.5	60.0	108.9	63.8
3	Bio9682(Filler)	95.5	61.7	72.5	82.9	60.0	57.3	16.7	104.0	98.2	61.7	112.4	74.8
4	BIO605 (C)	96.0	63.3	65.0	78.1	54.2	59.7	17.8	93.0	95.7	78.3	112.8	74.0
5	DKC 7074 (C)	79.7	61.7	55.1	78.1	49.2	50.5	17.5	93.0	94.7	78.3	109.9	69.8
6	PMH5 (C)	72.6	54.0	56.1	75.3	55.8	52.8	15.4	92.7	93.0	64.0	100.9	66.6
7	Prakash (C)	72.3	59.2	55.3	78.5	46.7	47.1	15.3	100.7	90.3	73.3	105.7	67.7
	Location Mean	81.3	58.6	59.2	77.6	52.9	54.4	16.0	95.3	93.4	68.9	108.2	70.1
	CV (%)	8.3	12.2	8.4	8.1	15.7	6.0	7.0	13.4	5.9	18.2	10.6	11.5
	F (Prob)	0.00	0.51	0.00	0.67	0.53	0.00	0.01	0.34	0.55	0.40	0.87	0.00
	CD (5%)	12.0	12.7	8.8	11.2	16.5	5.8	2.0	22.7	9.8	22.3	20.4	4.0
	CD (1%)	16.8	17.8	12.4	15.7	25.1	8.1	2.8	31.8	13.8	31.2	28.6	5.3

TABLE No. 16: Trial QPM-I-II-III Yield(kg/ha)																					
Sl. No.	Entry Name	Zone-I(NHZ)	Zone**	Zone-I(NHZ)								Zone-II(NWPZ)									
				Almora		Bajaura		Kangra		Zone1		Delhi		Karnal		Ludhiana		Pantnagar		Zone2	
				Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	APH-1	QPM-I	All	6359	40	13324	9	5154	35	8294	22	6730	5	7367	25	7860	7	6633	16	7078	5
2	APH27	QPM-II	I,III	7125	24	12154	20	4562	44	8195	27	5410	39	6639	41	5713	44	4397	45	5816	45
3	APQH-5	QPM-II	All	6401	38	12983	11	4705	42	8172	29	6932	3	8235	4	5626	45	6825	10	7065	6
4	APQH-7	QPM-II	IV	6862	30	12129	21	7184	2	8910	9	6088	19	7571	15	7731	9	6131	30	6941	14
5	BQPMH 16	QPMII	IV	7868	12	11277	32	6214	17	8189	28	5722	29	7092	32	7028	26	6450	21	6622	28
6	DQH 111	QPMI	All	7992	10	12184	18	4821	40	8225	25	5860	24	7509	17	6511	39	7018	6	6765	21
7	DQH 112	QPMI	All	7335	17	14142	6	5233	33	8959	8	6277	13	7320	28	6710	35	6565	18	6739	24
8	EHQ 64	QPM	All	7077	26	13096	10	6540	9	8835	10	6185	16	7301	29	7897	6	6696	11	7026	8
9	FQH 106	QPMIII	IV,V	6365	39	9747	44	6307	14	7571	40	5892	23	6955	36	6888	30	5337	41	6231	42
10	IIMRQPMH 1508	QPMI	II	6955	28	11339	31	7407	1	8550	15	6855	4	7321	27	6460	40	7535	3	6985	11
11	IIMRQPMH 1601	QPMI	II,III,IV,V	8078	7	13984	7	5802	20	9352	4	6271	14	7486	20	8028	3	6939	7	7127	4
12	IIMRQPMH 1602	QPMI	III,IV	7119	25	11164	33	5639	24	7886	36	5717	30	6635	42	6759	34	6162	28	6469	33
13	IIMRQPMH 1603	QPMI	I,II,III,V	6476	36	11522	27	6849	5	8357	19	5238	43	6812	39	6238	42	6645	13	6335	38
14	IIMRQPMH 1605	QPMI	II,IV	7359	15	11140	34	5242	32	8307	21	5547	33	7346	26	7578	12	6644	14	6878	17
15	IIMRQPMH 1606	QPMI	IV	5974	44	10999	35	5309	31	7381	43	5997	21	5959	45	7645	10	6301	25	6408	35
16	IIMRQPMH 1608	QPMI	III	6603	32	10626	37	5141	36	7506	41	6528	6	7048	34	7627	11	5913	32	6786	20
17	IIMRQPMH 1609	QPMI	III	7773	14	11807	26	6234	16	8697	12	6348	10	7486	21	7249	22	6514	20	6763	22
18	IIMRQPMH 1610	QPMI	III	8738	2	12072	22	5054	38	8613	14	7167	1	8120	5	6845	33	5047	43	6921	16
19	IIMRQPMH 1701	QPM	All	8718	3	12396	15	5534	27	8493	17	5728	28	7702	12	8235	2	6530	19	7010	10
20	IIMRQPMH 1702	QPM	All	7296	19	9087	45	4784	41	7318	44	5844	27	7381	24	7110	24	6225	26	6817	18
21	IIMRQPMH 1703	QPM	All	7280	20	9776	43	5077	37	7655	37	4865	45	7618	14	7344	19	5847	33	6492	31
22	IIMRQPMH 1704	QPM	All	6353	41	11366	30	5716	21	7957	35	6347	11	6971	35	7960	5	6686	12	6761	23
23	IIMRQPMH 1705	QPM	All	7982	11	12552	14	5325	30	8634	13	5424	38	7509	18	6857	32	5669	37	6321	39
24	IIMRQPMH 1706	QPM	All	6541	35	12311	17	4989	39	8069	31	6428	8	7537	16	7460	15	5687	35	6608	29
25	IIMRQPMH 1707	QPM	All	6579	34	10419	39	5690	22	7316	45	6198	15	7063	33	6559	38	5397	40	6268	41
26	IIMRQPMH 1708	QPM	All	5874	45	11512	28	6739	7	8041	32	5855	25	6898	37	7355	18	7782	2	7031	7
27	IIMRQPMH 1709	QPM	All	7193	21	12041	23	5621	25	8331	20	5240	42	6502	43	8022	4	6169	27	6680	26
28	IIMRQPMH 1710	QPM	All	7336	16	11904	25	5945	18	8253	24	5850	26	6323	44	7422	16	6111	31	6351	37
29	IIMRQPMH 1711	QPM	All	7307	18	12156	19	7135	3	8525	16	6399	9	7493	19	7550	13	6149	29	6809	19

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TABLE No. 16: (Contd.)

Yield(kg/ha)

Sl. No.	Entry Name	Zone-III(NEPZ)																								Zone-IV(PZ)											
		Baharaich		Bhubaneswar		Dholi		Ranchi		Sabour		Varanasi		Zone3		Coimbatore		Dharwad		Hyderabad		Karimnaga		Kolhapur		Mandya		Rahuri		Zone4							
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R				
1	APH-1	7844	3	5386	34	4771	1	2019	37	3972	5	5204	25	5259	16	7424	25	9219	5	7414	3	2983	39	3645	35	5925	34	9536	1	7266	8						
2	APH27	6059	25	5234	37	4203	38	1584	43	1993	41	3148	45	4388	44	5820	43	6569	44	4062	45	5349	15	3799	32	6814	18	6419	43	5530	45						
3	APQH-5	7184	6	5806	16	4488	14	2052	36	3330	16	6284	11	5466	11	8650	5	9883	1	6890	8	3717	34	3909	29	7443	11	8979	8	7604	4						
4	APQH-7	7371	5	6230	2	4541	6	3685	9	3643	10	6878	5	5700	4	7501	24	8627	19	6312	16	4306	24	4557	8	8410	1	8120	28	7263	9						
5	BQPMH 16	6683	12	5915	10	4326	30	3424	11	2993	28	5509	19	5140	20	7619	21	9565	3	6227	18	4301	25	4142	21	5782	38	8897	9	7049	15						
6	DQH 111	6910	7	6114	4	4448	18	4105	6	3319	17	6355	10	5529	8	8010	13	8698	16	5473	31	2552	42	3981	25	6399	24	8812	11	6909	17						
7	DQH 112	6093	22	5674	22	4201	39	618	44	4413	2	7289	2	5533	7	7133	30	9073	8	6719	12	4386	23	3633	36	6940	17	9298	4	7246	10						
8	EHQ 64	5904	29	5984	8	4500	10	2157	34	3722	7	5111	28	5322	14	7259	28	8553	22	5440	32	2195	44	4324	16	7699	8	7561	38	6725	26						
9	FQH 106	4671	43	5146	40	4416	21	1979	39	3230	20	5575	16	4976	31	6957	33	7140	40	5503	30	7489	4	3849	31	5743	40	6032	44	5882	43						
10	IIMRQPMH 1508	5703	33	5681	21	4612	5	4501	4	3649	9	4854	33	5076	24	8088	12	8012	27	5660	26	4839	21	4447	12	6514	22	7918	33	6699	27						
11	IIMRQPMH 1601	6308	17	5138	43	4637	4	1840	41	2339	39	4621	37	4718	41	6533	39	8205	26	5600	28	6470	10	3951	26	7706	7	8222	25	6697	28						
12	IIMRQPMH 1602	6303	18	5135	44	4144	43	9105	1	3270	18	5933	12	4917	33	7707	19	7687	34	5889	24	2681	41	3518	39	6495	23	7619	36	6492	34						
13	IIMRQPMH 1603	5620	36	5146	41	4410	22	2624	26	2460	38	4925	31	4899	34	7594	23	7861	29	6737	11	7066	6	4322	17	6682	19	8380	21	6909	18						
14	IIMRQPMH 1605	5645	34	5578	27	4538	8	1881	40	2635	37	5527	18	5176	19	7357	27	7730	32	7126	5	6422	11	4920	6	7205	14	6561	42	6730	25						
15	IIMRQPMH 1606	6831	9	5628	25	4395	24	2995	19	2936	29	5562	17	5073	25	6503	40	9000	10	6342	15	7725	3	4258	18	6117	32	8554	16	6904	20						
16	IIMRQPMH 1608	6567	14	5490	30	4267	34	2313	32	3182	21	5102	29	4980	30	6940	35	8774	14	6137	19	4189	29	4130	23	5655	42	8643	13	6862	21						
17	IIMRQPMH 1609	5711	32	5731	18	4231	36	3109	16	3414	14	5932	13	5498	10	7884	15	8208	25	5409	34	5373	14	2815	44	7475	10	8601	14	6739	24						
18	IIMRQPMH 1610	6016	26	5436	32	4197	40	3025	18	1730	43	5176	26	5107	23	6954	34	7801	31	4948	38	6891	8	3946	27	8103	3	8317	22	6669	30						
19	IIMRQPMH 1701	5929	28	5719	19	4224	37	2627	25	2935	30	5311	23	5132	22	7070	31	8789	13	5669	25	8155	1	2604	45	6318	25	8231	24	6537	33						
20	IIMRQPMH 1702	5431	39	5553	28	4364	27	418	45	3148	23	4578	38	4740	40	6906	37	7633	35	4259	43	1199	45	4228	19	6189	28	8403	20	6262	36						
21	IIMRQPMH 1703	5588	37	5184	38	4443	20	2145	35	1635	44	4007	41	4579	43	6918	36	7328	39	6058	21	3907	33	4441	13	8371	2	6681	41	6572	32						
22	IIMRQPMH 1704	6336	16	5847	14	4444	19	1801	42	2794	33	5577	15	5197	18	7008	32	8625	20	6282	17	4168	30	3445	41	5838	37	8143	27	6588	31						
23	IIMRQPMH 1705	6121	21	5377	35	4231	35	4507	3	3486	12	6441	8	5372	13	9070	3	9085	7	6845	9	7738	2	4093	24	7036	15	8179	26	7366	6						
24	IIMRQPMH 1706	5878	30	6036	5	4114	44	3070	17	3814	6	4851	34	5025	28	7906	14	8476	23	6821	10	4975	20	4548	9	6268	27	8298	23	7104	14						
25	IIMRQPMH 1707	4840	42	5388	33	4299	32	3180	14	3166	22	5155	27	4862	37	5781	44	7541	36	5440	33	2363	43	3047	43	5884	36	7965	31	5965	42						
26	IIMRQPMH 1708	4448	44	5925	9	4102	45	2638	24	2640	36	6855	6	5595	5	8113	10	8876	12	6573	14	4192	28	5096	3	7214	13	7957	32	7301	7						
27	IIMRQPMH 1709	5383	40	5862	13	4289	33	2720	22	3566	11	3968	43	4795	39	8882	4	8651	18	4681	42	4028	31	3877	30	6999	16	7791	34	6768	23						
28	IIMRQPMH 1710	6344	15	5548	29	4497	11	3490	10	3103	25	5287	24	5134	21	8368	9	8577	21	5643	27	3597	35	4430	14	5780	39	8452	18	6907	19						
29	IIMRQPMH 1711	6889	8	5990	7	4370	26	2678	23	3096	26	4016	40	4919	32	8434	7	7831	30	5915	23	5658	13	4206	20	5444	43	9249	5	6824	22						

TABLE No. 16: (Contd.)		Yield(kg/ha)													
Sl. No.	Entry Name	Zone-V(CWZ)												All India	
		Ambikapur		Banswara		Chindwara		Godhra		Udaipur		Zone5		Mean	R
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R		
1	APH-1	9385	11	4805	9	5708	31	4035	23	3025	36	5232	23	6621	12
2	APH27	5439	45	4737	10	3883	43	3103	38	2675	42	4004	45	5420	45
3	APQH-5	8911	14	3780	33	6838	16	5058	11	2963	37	5418	18	6747	8
4	APQH-7	7949	26	3730	34	7829	5	3653	30	3451	16	5453	16	6770	7
5	BQPMH 16	9841	8	5116	7	6533	20	3587	32	3908	3	5762	10	6556	14
6	DQH 111	8247	23	5289	5	7509	10	6189	4	3119	29	5938	7	6644	11
7	DQH 112	9954	5	4089	23	4755	37	4471	18	4090	2	5222	24	6677	10
8	EHQ 64	8551	20	4602	14	5372	33	3850	29	3338	19	5253	22	6527	16
9	FQH 106	7435	36	3306	41	2831	45	4784	14	3648	8	4768	34	5786	43
10	IIMRQPMH 1508	7599	31	4655	13	6193	27	2974	39	3831	5	5310	20	6447	21
11	IIMRQPMH 1601	7696	29	4518	17	5058	35	4826	13	3299	20	4868	31	6444	22
12	IIMRQPMH 1602	8751	17	3961	27	6425	23	6596	3	3468	14	5612	13	6252	33
13	IIMRQPMH 1603	6507	39	4597	15	6264	24	4307	21	3763	6	5125	26	6289	31
14	IIMRQPMH 1605	9835	9	5317	4	5680	32	3882	28	3859	4	5809	9	6517	18
15	IIMRQPMH 1606	9556	10	3925	28	7600	8	4653	16	2719	41	5595	14	6317	30
16	IIMRQPMH 1608	10640	2	3392	40	6714	17	4518	17	3031	35	5449	17	6351	27
17	IIMRQPMH 1609	7537	32	5375	2	4130	41	3986	27	3488	12	4899	30	6414	25
18	IIMRQPMH 1610	5854	41	3002	42	6143	28	2079	42	2179	45	4167	43	6168	34
19	IIMRQPMH 1701	7476	35	4235	22	6607	18	2782	41	3191	26	4935	29	6343	28
20	IIMRQPMH 1702	7505	34	3639	36	5793	30	3653	31	3345	18	4523	39	5875	39
21	IIMRQPMH 1703	5771	42	4052	24	5345	34	3481	35	2740	39	4497	41	5913	35
22	IIMRQPMH 1704	10048	4	3446	39	7226	13	5825	7	3199	25	5955	6	6473	20
23	IIMRQPMH 1705	9899	6	4711	11	6907	15	6078	5	4113	1	6310	2	6812	5
24	IIMRQPMH 1706	7746	27	3541	38	7493	11	2809	40	3480	13	5160	25	6392	26
25	IIMRQPMH 1707	8047	25	3885	31	6500	21	5744	8	3075	31	5110	27	5870	40
26	IIMRQPMH 1708	6298	40	2661	43	6260	25	4441	19	3105	30	4786	33	6506	19
27	IIMRQPMH 1709	7517	33	3860	32	6218	26	4714	15	3275	21	4962	28	6256	32
28	IIMRQPMH 1710	8623	19	5341	3	8060	3	5103	10	3042	32	5924	8	6518	17
29	IIMRQPMH 1711	8354	21	3996	25	8420	2	1686	44	2933	38	5306	21	6440	23

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TABLE No. 16: Trial QPM-I-II-III Yield(kg/ha)																					
Sl. No.	Entry Name	Zone-I(NHZ)	Zone**	Zone-I(NHZ)								Zone-II(NWPZ)									
				Almora		Bajaura		Kangra		Zone1		Delhi		Karnal		Ludhiana		Pantnagar		Zone2	
				Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
30	IIMRQPMH 1712	QPM	All	6586	33	10987	36	5415	29	7591	38	5500	36	6785	40	7239	23	5458	39	6215	43
31	IIMRQPMH 1713	QPM	All	8445	6	10278	41	4661	43	8093	30	5989	22	8915	1	6916	29	5275	42	6689	25
32	IMHQPM 1530	QPM-II	I,III,	8636	4	12317	16	6934	4	9341	5	5676	31	7947	8	6647	37	5676	36	6315	40
33	LQPMH 415	QPMII	I	6694	31	11445	29	6406	11	8026	34	5224	44	8088	6	6930	28	5769	34	6474	32
34	OPQMH 15-1	QPMI	All	7129	23	14420	2	6241	15	9145	6	5512	35	7227	30	7329	20	6411	23	6603	30
35	OQPMH-14191	QPM	All	6951	29	11944	24	6572	8	8437	18	6185	17	7763	11	7479	14	6862	9	6974	12
36	QPM MH 27	QPMI	II,IV,V	8533	5	14237	3	6382	12	9501	3	5490	37	8046	7	7370	17	7882	1	7163	2
37	QPM MH 30	QPM	All	6230	43	10620	38	5908	19	7588	39	5558	32	7154	31	6271	41	6600	17	6415	34
38	VEQH-16-1	QPM	II,III,IV,V	8076	8	14891	1	6791	6	9798	1	6050	20	8305	2	6051	43	7356	4	7132	3
39	HQPM 1 (C)	QPM-I	All	6234	42	12554	13	5580	26	8197	26	6278	12	7831	10	6683	36	7071	5	7016	9
40	HQPM 4 (C)	QPM-I	All	9289	1	14200	4	6349	13	9522	2	5354	40	7837	9	7786	8	6634	15	6956	13
41	HQPM 5 (C)	QPM-I	All	6411	37	14188	5	5418	28	8823	11	7109	2	7684	13	7090	25	6379	24	6922	15
42	HQPM 7 (C)	QPM-I	All	8016	9	13598	8	6497	10	9108	7	5531	34	7441	22	6959	27	6904	8	6632	27
43	Vivek Hybrid-27-C	QPM-II	I	6999	27	9778	42	5217	34	7456	42	6147	18	7422	23	7308	21	4979	44	6396	36
44	APQH-9-C	QPM-II	All	7178	22	12913	12	4461	45	8266	23	6518	7	8247	3	8689	1	6426	22	7374	1
45	Vivek QPM 9 (C)	QPM-I	All	7843	13	10361	40	5652	23	8029	33	5270	41	6871	38	6873	31	5562	38	6179	44
	Location Mean			7248	.	11999	.	5787	.	8664	.	5963	.	7395	.	7153	.	6294	.	6701	.
	CV (%)			15.6	.	8.3	.	12.4	.	11.7	.	9.7	.	8.6	.	13.0	.	15.0	.	11.8	.
	F (Prob)			0.30	.	0.00	.	0.11	.	1.00	.	0.00	.	0.01	.	0.30	.	0.09	.	1.00	.
	CD (5%)			1845	.	1633	.	1204	.	1053	.	946	.	1041	.	1512	.	1537	.	657	.
	CD (1%)			2453	.	2170	.	1624	.	1390	.	1257	.	1383	.	2010	.	2043	.	866	.

Note: **In rest of the zones, the test entry has been replaced with filler to constitute uniform trials across country

TABLE No. 16: (Contd.)

Yield(kg/ha)

Sl. No.	Entry Name	Zone-III(NEPZ)														Zone-IV(PZ)															
		Baharaich		Bhubanesw		Dholi		Ranchi		Sabour		Varanasi		Zone3		Coimbatore		Dharwad		Hyderabad		Karimnaga		Kolhapur		Mandya		Rahuri		Zone4	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
30	IIMRQPMH 1712	5638	35	5655	24	4300	31	2472	29	1756	42	4006	42	4636	42	7710	18	7458	38	7044	6	5014	18	3720	33	6150	29	7041	40	6435	35
31	IIMRQPMH 1713	6182	20	5297	36	4358	28	3738	8	2693	35	4892	32	4986	29	6785	38	6545	45	5168	36	5159	17	3932	28	6133	31	7723	35	6064	39
32	IMHQPM 1530	6084	23	5700	20	4147	42	1979	38	3451	13	5816	14	5320	15	7152	29	6843	42	5000	37	6801	9	4474	11	6065	33	8115	29	6221	37
33	LQPMH 415	6261	19	4696	45	4539	7	2365	30	4831	1	5097	30	4890	35	7403	26	6839	43	4833	39	3122	38	3578	37	5885	35	7223	39	6022	40
34	OPQMH 15-1	6683	13	5797	17	4395	25	3187	13	3008	27	6371	9	5543	6	8369	8	8422	24	6708	13	2940	40	5028	4	6288	26	8708	12	7212	11
35	OQPMH-14191	2202	45	6232	1	4404	23	3133	15	3411	15	5319	22	5240	17	7836	16	9020	9	7006	7	3423	37	5111	2	7222	12	9033	7	7433	5
36	QPM MH 27	8377	1	6136	3	4690	2	3346	12	2876	31	5444	21	5505	9	7635	20	9192	6	6074	20	7465	5	5313	1	5676	41	9208	6	7118	13
37	QPM MH 30	7427	4	5459	31	4493	12	2196	33	1589	45	5450	20	5060	27	5780	45	7138	41	4690	41	4225	27	4819	7	6677	20	7589	37	6162	38
38	VEQH-16-1	5212	41	5844	15	4329	29	2852	20	3668	8	7461	1	5870	2	7784	17	9715	2	7724	2	3908	32	4930	5	7627	9	9426	2	7736	1
39	HQPM 1 (C)	6762	11	5612	26	4479	16	2322	31	4071	4	6478	7	5400	12	8105	11	8957	11	5964	22	5993	12	3185	42	6666	21	8561	15	6958	16
40	HQPM 4 (C)	5956	27	5888	11	4523	9	5406	2	4389	3	7167	4	5738	3	9095	2	8769	15	7944	1	5222	16	4524	10	8091	4	8017	30	7671	3
41	HQPM 5 (C)	8056	2	5882	12	4487	15	2773	21	3252	19	4671	36	5061	26	7601	22	8671	17	5580	29	4288	26	4352	15	4937	45	8828	10	6672	29
42	HQPM 7 (C)	6792	10	6031	6	4489	13	4247	5	2779	34	7281	3	5958	1	8529	6	9295	4	7230	4	5000	19	3699	34	8040	5	9341	3	7718	2
43	Vivek Hybrid-27-C	5865	31	5171	39	4463	17	2505	28	3122	24	3926	44	4370	45	6304	41	7504	37	4827	40	4711	22	3501	40	6138	30	5247	45	5681	44
44	APQH-9-C	6083	24	5141	42	4182	41	3948	7	2794	32	4675	35	4811	38	9696	1	7907	28	5192	35	7026	7	3563	38	7759	6	8431	19	7123	12
45	Vivek QPM 9 (C)	5544	38	5658	23	4667	3	2550	27	2177	40	4324	39	4884	36	6223	42	7690	33	4108	44	3485	36	4131	22	5425	44	8504	17	6001	41
	Location Mean	6138	.	5624	.	4392	.	2911	.	3100	.	5409	.	5108	.	7520	.	8266	.	5937	.	4815	.	4089	.	6650	.	8151	.	6769	.
	CV (%)	28.4	.	9.0	.	7.2	.	62.9	.	32.7	.	13.3	.	9.7	.	8.4	.	12.2	.	12.6	.	31.6	.	19.5	.	14.9	.	9.5	.	12.4	.
	F (Prob)	0.75	.	0.39	.	0.96	.	0.24	.	0.35	.	0.00	.	1.00	.	0.00	.	0.04	.	0.00	.	0.00	.	0.14	.	0.01	.	0.00	.	1.00	.
	CD (5%)	2842	.	825	.	514	.	2987	.	1653	.	1203	.	524	.	1032	.	1640	.	1220	.	2481	.	1298	.	1616	.	1263	.	584	.
	CD (1%)	3778	.	1096	.	683	.	3971	.	2196	.	1623	.	692	.	1371	.	2180	.	1621	.	3297	.	1725	.	2148	.	1678	.	768	.

Note: **In rest of th

TABLE No. 16: (Contd.)		Yield(kg/ha)													
Sl. No.	Entry Name	Zone-V(CWZ)												All India	
		Ambikapur		Banswara		Chindwara		Godhra		Udaipur		Zone5		Mean	R
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R		
30	IIMRQPMH 1712	7311	38	4405	19	3809	44	4273	22	3040	33	4707	35	5881	38
31	IIMRQPMH 1713	5725	44	4488	18	4187	40	3490	34	2532	43	4140	44	5858	41
32	IMHQPM 1530	8885	15	4324	21	7665	6	4007	25	3675	7	5691	12	6431	24
33	LQPMH 415	8668	18	2549	45	5004	36	3561	33	2331	44	4507	40	5882	37
34	OPQMH 15-1	9330	12	5035	8	6063	29	5857	6	3181	27	5692	11	6777	6
35	OQPMH-14191	9844	7	5466	1	6497	22	5058	12	3462	15	6107	3	6853	4
36	QPM MH 27	9076	13	3902	29	8051	4	-968	45	3225	23	4799	32	6685	9
37	QPM MH 30	8079	24	2606	44	4560	39	4016	24	2731	40	4639	37	5891	36
38	VEQH-16-1	10069	3	5203	6	7372	12	7159	1	3553	10	6422	1	7325	1
39	HQPM 1 (C)	7402	37	3582	37	7660	7	5167	9	3226	22	5339	19	6538	15
40	HQPM 4 (C)	8797	16	4678	12	6949	14	6896	2	3493	11	6040	4	7138	2
41	HQPM 5 (C)	5735	43	3898	30	6604	19	4348	20	3036	34	4645	36	6318	29
42	HQPM 7 (C)	10730	1	3980	26	8657	1	1846	43	3393	17	6023	5	7063	3
43	Vivek Hybrid-27-C	8300	22	3685	35	3989	42	3168	37	3138	28	4355	42	5575	44
44	APQH-9-C	7621	30	4338	20	7598	9	3988	26	3610	9	5475	15	6619	13
45	Vivek QPM 9 (C)	7735	28	4578	16	4647	38	3255	36	3224	24	4536	38	5814	42
	Location Mean	8228	.	4184	.	6213	.	4178	.	3249	.	5284	.	6440	.
	CV (%)	14.4	.	22.5	.	17.5	.	27.4	.	14.0	.	18.7	.	13.3	.
	F (Prob)	0.00	.	0.09	.	0.00	.	0.05	.	0.00	.	1.00	.	1.00	.
	CD (5%)	1928	.	1535	.	1774	.	1911	.	743	.	778	.	325	.
	CD (1%)	2563	.	2040	.	2357	.	2577	.	988	.	1025	.	427	.

Note: **In rest of th

try

TABLE No. 16: (Contd.)

Plant Stand('000/ha)

Sl. No.	Entry Name	Zone-I(NHZ)				Zone-II(NWPZ)					Zone-III(NEPZ)						
		Almora	Bajaura	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH-1	59.7	79.6	81.5	73.2	50.7	62.4	77.2	62.6	62.2	64.0	73.5	62.6	56.0	79.3	61.3	66.8
2	APH27	59.0	77.9	78.0	71.5	47.8	63.1	69.0	54.8	59.0	62.9	74.1	58.1	70.6	70.5	55.7	66.2
3	APQH-5	62.0	75.0	79.6	72.5	48.0	61.8	77.1	58.9	61.9	64.0	72.7	63.7	73.4	72.3	68.5	68.2
4	APQH-7	63.5	77.7	78.1	73.5	51.3	62.0	79.7	59.0	62.9	64.7	74.9	61.8	75.0	73.5	66.9	68.3
5	BQPMH 16	55.9	70.8	81.7	69.6	49.1	61.5	79.2	57.1	61.8	64.7	73.3	59.4	66.7	60.0	57.2	63.9
6	DQH 111	64.2	72.2	81.3	71.7	52.4	63.3	68.2	64.5	62.0	66.3	75.3	62.2	63.7	72.9	63.8	66.3
7	DQH 112	58.8	77.3	81.0	73.0	50.2	61.8	79.5	59.5	62.6	61.5	73.4	61.1	68.4	80.1	64.4	68.2
8	EHQ 64	62.6	75.6	81.5	73.0	52.6	63.4	76.5	60.3	63.1	68.0	76.8	60.6	65.1	71.1	56.7	66.9
9	FQH 106	60.1	81.9	75.4	73.0	49.2	62.5	75.9	60.5	62.3	65.0	74.6	58.9	74.5	81.1	70.1	69.8
10	IIMRQPMH 1508	63.7	75.0	79.0	72.9	52.2	62.3	77.1	59.0	63.0	65.8	73.6	62.8	71.0	75.6	63.0	69.0
11	IIMRQPMH 1601	62.9	81.6	77.4	73.8	51.0	62.2	77.4	63.8	63.7	65.0	71.5	62.7	59.8	72.1	59.4	65.3
12	IIMRQPMH 1602	58.4	76.6	83.7	72.7	53.1	61.9	85.1	56.8	64.2	63.5	75.2	57.4	63.1	72.8	62.3	65.8
13	IIMRQPMH 1603	55.9	77.2	78.4	70.3	51.4	63.5	69.3	59.2	61.5	63.4	74.7	63.8	67.7	64.3	56.9	65.7
14	IIMRQPMH 1605	63.5	82.9	79.4	75.7	53.9	63.9	78.4	61.1	64.1	66.7	74.6	63.4	81.1	71.3	59.9	68.1
15	IIMRQPMH 1606	59.8	72.8	80.7	71.4	53.2	62.7	67.0	62.3	61.3	62.5	75.9	64.4	62.5	70.9	63.5	66.8
16	IIMRQPMH 1608	59.5	79.8	79.3	72.9	50.2	62.1	72.1	58.7	60.5	63.4	75.6	61.0	60.0	73.3	69.2	66.3
17	IIMRQPMH 1609	63.8	77.8	79.4	73.3	50.2	62.8	73.6	56.0	60.6	66.1	75.9	60.7	66.6	74.0	62.5	68.8
18	IIMRQPMH 1610	63.7	72.3	79.0	71.6	50.6	63.8	70.1	46.1	58.0	65.3	72.5	58.2	65.0	50.6	57.6	62.0
19	IIMRQPMH 1701	59.7	77.6	76.6	71.2	55.8	61.7	78.8	62.5	64.1	66.9	71.4	61.0	65.6	73.4	60.8	66.5
20	IIMRQPMH 1702	61.0	77.9	81.7	73.8	51.4	61.9	72.1	59.9	61.3	64.2	72.5	58.0	62.1	77.9	63.4	66.2
21	IIMRQPMH 1703	59.0	76.8	79.3	72.2	51.4	62.5	76.9	56.7	62.2	64.9	75.6	61.5	61.3	63.1	62.1	64.8
22	IIMRQPMH 1704	64.0	79.0	81.7	75.0	51.6	62.9	83.6	58.6	62.9	65.3	76.0	63.0	74.4	78.3	65.5	68.9
23	IIMRQPMH 1705	60.3	82.7	80.6	74.9	50.4	62.1	81.6	60.4	63.6	62.3	77.4	61.9	69.9	76.3	65.0	69.2
24	IIMRQPMH 1706	60.1	73.7	80.5	72.2	48.8	62.6	74.6	58.5	61.3	63.3	75.2	60.6	69.0	78.6	62.9	68.4
25	IIMRQPMH 1707	60.0	79.1	80.9	72.3	51.7	61.9	84.5	59.7	64.1	62.1	76.4	59.8	74.5	83.1	63.5	69.5
26	IIMRQPMH 1708	55.9	76.0	77.6	70.0	49.5	61.6	72.3	63.0	61.9	64.8	76.0	62.4	69.6	63.6	69.7	66.6
27	IIMRQPMH 1709	61.7	79.7	78.1	73.0	49.6	62.7	80.8	60.0	64.3	64.2	75.5	60.8	60.5	72.4	57.0	65.8
28	IIMRQPMH 1710	60.2	79.5	82.4	74.2	54.5	62.4	78.9	58.7	63.1	64.6	72.0	62.0	59.9	72.1	64.0	66.2
29	IIMRQPMH 1711	62.1	83.2	74.9	73.3	51.1	63.5	76.3	59.2	63.1	63.4	74.1	60.1	69.7	72.4	63.2	67.8

TABLE No. 16: (Contd.)

Plant Stand('000/ha)

Sl. No.	Entry Name	Zone-I(NHZ)				Zone-II(NWPZ)					Zone-III(NEPZ)						
		Almora	Bajaura	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IIMRQPMH 1712	60.6	71.8	80.0	71.4	49.3	62.0	81.7	52.4	61.9	65.4	77.4	61.6	72.1	63.9	62.2	67.3
31	IIMRQPMH 1713	63.2	65.2	82.3	70.9	52.5	62.0	83.2	56.4	63.3	65.5	76.9	61.7	61.0	64.3	64.5	66.3
32	IMHQPM 1530	61.1	73.5	78.1	71.1	52.2	61.9	76.3	56.4	61.5	67.7	75.2	59.8	52.4	68.0	61.8	64.8
33	LQPMH 415	58.7	77.8	80.7	72.3	51.3	62.8	83.5	57.9	63.3	66.4	74.5	57.1	70.0	85.2	61.0	69.5
34	OPQMH 15-1	62.0	82.7	82.6	74.9	51.8	63.7	74.8	59.2	63.1	62.8	73.0	60.2	71.8	72.0	63.7	68.6
35	OQPMH-14191	61.2	83.0	80.3	74.2	51.1	62.9	78.0	63.5	63.3	65.5	74.3	62.2	71.7	72.7	64.0	67.3
36	QPM MH 27	66.0	76.2	77.5	72.6	46.0	63.2	75.5	60.2	61.1	61.1	77.2	63.6	70.4	66.9	60.6	66.1
37	QPM MH 30	60.8	73.6	82.1	72.5	50.3	62.7	75.2	61.9	63.0	63.2	77.8	61.2	64.4	66.0	66.5	66.8
38	VEQH-16-1	62.0	86.1	80.9	75.8	48.4	62.6	80.5	64.3	64.5	62.7	75.2	60.1	74.6	70.7	64.4	68.4
39	HQPM 1 (C)	62.4	76.1	82.9	73.8	50.9	63.2	70.4	60.4	61.5	61.7	74.6	61.1	61.6	75.7	63.7	65.9
40	HQPM 4 (C)	61.9	80.6	81.9	74.2	51.7	61.9	84.2	61.8	64.2	66.3	75.9	61.3	74.9	74.0	62.4	68.4
41	HQPM 5 (C)	61.4	79.6	80.7	74.1	45.8	63.1	75.2	53.4	58.5	64.7	76.2	62.1	65.6	69.4	61.2	66.9
42	HQPM 7 (C)	61.1	84.0	77.6	73.8	48.1	62.7	75.5	60.9	62.1	64.1	75.7	63.9	64.6	76.6	66.6	68.7
43	Vivek Hybrid-27-C	65.1	79.9	81.1	75.3	50.9	61.6	84.3	58.2	63.0	65.7	75.6	60.5	72.2	69.6	62.7	66.6
44	APQH-9-C	59.0	75.8	77.8	71.2	49.4	62.4	80.0	58.4	63.1	64.2	75.6	60.9	70.4	62.3	63.9	66.4
45	Vivek QPM 9 (C)	59.6	73.8	79.8	71.0	49.1	62.8	77.3	61.9	63.1	65.6	73.8	64.7	69.8	69.3	58.9	67.5
	Location Mean	61.1	77.5	79.9	71.9	50.7	62.5	77.1	59.2	62.4	64.5	74.9	61.2	67.4	71.6	62.8	67.3
	CV (%)	5.7	6.2	2.8	5.4	5.1	1.6	8.3	6.2	6.3	4.1	2.9	4.8	14.4	10.8	5.2	8.3
	F (Prob)	0.53	0.03	0.54	1.00	0.08	0.66	0.25	0.02	1.00	0.74	0.32	0.61	0.73	0.06	0.23	1.00
	CD (5%)	5.7	7.9	3.7	4.1	4.2	1.6	10.4	6.0	3.3	4.3	3.5	4.8	15.9	12.6	5.5	3.8
	CD (1%)	7.6	10.4	5.0	5.4	5.6	2.1	13.8	8.0	4.3	5.7	4.7	6.3	21.1	16.8	7.4	5.0

TABLE No. 16: (Contd.)

Plant Stand('000/ha)

Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	APH-1	63.6	67.0	61.4	66.6	48.2	67.0	66.7	63.1	77.8	59.9	68.0	55.1	60.1	61.3	64.7
2	APH27	63.9	59.1	55.3	67.8	49.8	68.1	58.4	59.5	49.9	62.6	58.6	54.2	49.3	55.1	61.4
3	APQH-5	63.4	66.2	60.6	68.9	49.5	71.8	59.2	63.5	70.2	58.1	63.1	56.4	46.2	59.2	64.7
4	APQH-7	62.8	61.2	59.1	66.5	50.5	70.1	64.6	61.7	65.1	58.3	59.2	50.5	61.0	60.7	64.7
5	BQPMH 16	62.1	65.2	54.1	65.8	52.2	68.1	59.1	61.0	72.7	62.1	54.7	65.6	54.1	62.1	63.1
6	DQH 111	64.3	57.3	55.3	67.7	50.5	64.9	64.6	60.2	67.3	61.2	60.4	60.3	59.3	61.3	63.5
7	DQH 112	60.4	72.4	56.8	68.8	49.0	66.6	65.9	63.9	80.7	59.8	55.9	68.3	63.5	65.0	66.2
8	EHQ 64	61.1	65.1	58.7	66.9	52.9	72.0	63.4	62.1	69.3	62.1	67.7	58.4	51.1	60.1	64.2
9	FQH 106	63.4	66.7	56.7	70.9	50.3	71.7	57.0	62.3	66.8	57.0	54.4	52.6	64.3	60.3	65.0
10	IIMRQPMH 1508	62.7	56.5	68.0	67.0	52.0	68.2	62.9	62.3	64.4	61.4	67.7	56.2	56.2	61.1	65.1
11	IIMRQPMH 1601	62.4	51.4	55.9	66.5	49.3	69.2	59.5	59.4	60.5	54.7	63.7	58.6	62.0	61.0	63.6
12	IIMRQPMH 1602	61.1	60.2	69.4	67.1	49.2	66.2	61.4	62.6	67.8	57.0	66.1	63.8	60.2	63.1	65.0
13	IIMRQPMH 1603	63.4	58.8	68.8	66.7	48.5	68.2	59.9	62.0	56.2	59.4	51.7	65.1	59.2	60.1	63.3
14	IIMRQPMH 1605	64.3	68.5	69.6	68.2	52.4	76.7	62.8	65.5	76.1	66.7	58.8	56.8	59.8	65.3	67.1
15	IIMRQPMH 1606	63.5	70.8	58.6	66.2	50.4	75.5	67.2	64.5	73.4	60.6	60.9	58.9	53.3	62.2	64.9
16	IIMRQPMH 1608	63.6	69.6	62.9	64.5	49.1	68.1	63.1	63.6	81.2	60.8	59.9	58.2	60.8	64.2	65.1
17	IIMRQPMH 1609	62.9	64.1	61.6	67.0	45.9	72.3	63.0	61.9	64.4	61.0	56.1	58.7	59.7	59.4	64.1
18	IIMRQPMH 1610	63.5	50.5	46.7	67.2	46.6	63.1	52.5	55.6	55.0	59.0	51.4	56.2	36.0	52.5	58.7
19	IIMRQPMH 1701	63.6	68.7	48.9	65.9	42.6	65.5	62.0	60.4	62.0	61.5	63.8	54.6	59.0	59.0	63.6
20	IIMRQPMH 1702	62.0	63.8	58.9	67.8	48.0	75.8	63.7	63.3	67.8	57.8	67.1	41.0	64.3	57.8	63.9
21	IIMRQPMH 1703	62.1	59.1	66.5	67.9	52.5	66.7	65.8	62.3	51.7	60.2	67.6	55.4	48.6	58.0	63.2
22	IIMRQPMH 1704	61.8	71.7	67.4	71.0	48.5	72.2	67.0	65.9	78.0	56.3	66.0	77.2	64.0	68.1	67.8
23	IIMRQPMH 1705	63.6	73.4	51.5	69.1	52.5	74.7	66.5	64.2	75.3	53.9	67.0	58.1	64.2	64.4	66.6
24	IIMRQPMH 1706	64.5	68.2	59.0	68.8	54.3	70.1	57.3	63.6	64.2	55.6	62.2	57.1	63.2	61.3	65.0
25	IIMRQPMH 1707	62.6	65.7	55.3	66.4	47.5	70.2	67.5	61.9	66.0	52.4	60.8	53.0	55.6	57.8	64.5
26	IIMRQPMH 1708	62.2	64.5	55.6	67.0	52.7	64.6	59.9	60.5	56.1	52.8	58.9	55.2	55.5	57.1	62.6
27	IIMRQPMH 1709	65.3	67.7	56.0	66.8	49.2	77.0	60.5	63.2	67.4	61.4	62.5	64.7	62.9	64.4	65.4
28	IIMRQPMH 1710	63.0	63.8	63.1	69.1	51.6	73.1	60.5	63.9	67.9	59.8	65.3	58.4	58.1	60.9	65.0
29	IIMRQPMH 1711	61.2	64.5	58.7	66.0	49.2	68.8	60.8	61.8	67.4	59.2	65.4	59.7	55.2	61.4	64.8

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TABLE No. 16: (Contd.)		Plant Stand('000/ha)														
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
30	IIMRQPMH 1712	61.6	59.1	68.3	68.6	45.3	71.1	58.6	61.7	61.3	62.9	59.9	61.6	55.3	60.3	64.0
31	IIMRQPMH 1713	61.5	54.3	60.7	65.9	47.8	65.0	64.4	60.0	52.0	62.5	55.7	56.1	48.5	53.9	62.1
32	IMHQPM 1530	63.9	48.2	54.4	68.8	50.5	68.7	57.7	58.6	71.5	56.0	62.1	60.7	57.3	60.0	62.3
33	LQPMH 415	64.2	62.4	56.2	67.9	47.7	69.0	59.7	61.1	69.6	57.7	61.3	58.2	59.9	60.6	64.7
34	OPQMH 15-1	62.7	66.2	58.0	68.2	52.6	71.1	62.2	62.7	74.7	58.7	55.1	63.4	52.0	61.0	65.1
35	OQPMH-14191	63.4	70.4	68.6	69.9	53.7	66.3	63.5	64.7	79.8	60.4	57.9	63.3	56.4	61.6	65.6
36	QPM MH 27	61.2	56.7	53.6	67.1	55.1	66.9	64.3	60.9	71.9	59.8	61.5	55.7	59.5	60.0	63.5
37	QPM MH 30	61.7	66.5	60.9	66.7	50.0	69.3	65.2	62.4	69.5	55.1	63.7	51.8	54.9	60.8	64.4
38	VEQH-16-1	63.9	64.5	60.7	72.3	52.8	70.7	65.8	64.2	79.1	61.6	59.7	63.0	58.4	64.2	66.6
39	HQPM 1 (C)	64.0	62.0	54.1	67.5	46.4	65.0	61.1	60.8	66.5	59.7	64.8	50.3	53.1	59.1	63.5
40	HQPM 4 (C)	64.2	67.7	63.0	68.5	52.8	76.6	65.4	65.1	67.8	61.5	65.1	60.4	59.4	62.3	66.3
41	HQPM 5 (C)	62.4	50.7	44.4	67.3	52.1	67.7	57.2	57.3	56.0	59.8	58.8	62.2	44.9	54.1	61.2
42	HQPM 7 (C)	64.0	72.7	62.2	69.3	47.6	74.0	63.4	64.5	82.6	64.9	57.5	58.9	56.4	65.1	66.3
43	Vivek Hybrid-27-C	63.0	66.1	60.4	65.3	48.4	73.1	63.0	62.7	71.4	58.4	67.7	41.7	60.2	60.8	64.8
44	APQH-9-C	64.6	63.5	60.0	64.4	46.5	67.3	56.1	60.9	61.9	58.0	58.5	55.6	53.8	59.1	63.5
45	Vivek QPM 9 (C)	61.3	67.5	60.3	67.5	52.1	75.1	63.9	64.3	67.6	61.2	60.7	48.9	64.2	59.4	64.7
	Location Mean	62.9	63.6	59.2	67.6	49.9	69.9	62.1	62.2	67.7	59.3	61.2	57.8	56.9	60.8	64.2
	CV (%)	2.7	9.2	11.0	3.1	7.4	5.5	8.3	7.2	10.5	7.2	12.5	9.3	11.7	10.6	7.9
	F (Prob)	0.28	0.00	0.00	0.14	0.20	0.00	0.45	1.00	0.00	0.24	0.68	0.01	0.01	1.00	1.00
	CD (5%)	2.8	9.6	10.6	3.4	6.0	6.3	8.4	2.8	11.6	6.9	12.4	9.0	10.8	4.9	1.7
	CD (1%)	3.7	12.7	14.1	4.5	8.0	8.3	11.2	3.7	15.4	9.2	16.5	12.1	14.4	6.5	2.3

TABLE No. 16: (Contd.)

Shelling (%)

Sl. No.	Entry Name	Zone-I(NHZ)				Zone-II(NWPZ)					Zone-III(NEPZ)						
		Almora	Bajaura	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH-1	84.6	80.8	75.8	80.4	76.8	79.6	83.2	79.4	79.8	77.8	78.8	79.6	78.4	75.6	73.2	77.5
2	APH27	83.4	80.9	75.4	79.9	73.1	81.1	78.8	77.3	78.1	77.9	80.0	76.5	81.1	76.7	70.7	77.4
3	APQH-5	81.3	80.0	76.9	79.4	77.9	79.9	79.9	81.1	80.2	76.0	78.5	78.6	79.3	80.5	69.9	77.6
4	APQH-7	84.9	81.1	77.8	81.3	74.4	80.7	83.9	78.7	79.2	82.5	78.9	78.0	80.7	76.4	77.0	78.0
5	BQPMH 16	85.4	82.1	77.2	81.3	73.8	79.0	79.5	83.0	79.8	78.3	80.0	77.5	82.8	77.1	79.1	78.9
6	DQH 111	82.2	80.3	75.2	79.3	75.7	79.7	83.0	81.5	79.5	76.9	79.5	78.4	81.0	81.9	72.4	78.7
7	DQH 112	83.3	80.8	77.1	80.0	71.5	78.8	80.4	78.3	77.6	76.4	79.0	79.6	82.1	78.5	71.5	77.8
8	EHQ 64	84.1	81.7	78.6	81.9	71.3	80.8	81.2	80.0	78.0	76.0	78.8	76.5	83.4	81.7	76.9	79.3
9	FQH 106	85.7	81.6	78.4	82.0	83.1	79.5	83.2	82.8	81.4	79.2	80.5	76.7	82.1	75.7	82.4	79.0
10	IIMRQPMH 1508	80.5	79.8	75.9	78.8	78.2	80.3	80.7	79.3	79.5	77.3	79.7	77.0	81.3	75.7	71.0	77.3
11	IIMRQPMH 1601	85.3	81.8	78.9	82.4	73.5	81.3	84.0	82.5	80.2	81.3	80.3	78.5	83.9	79.2	81.2	79.9
12	IIMRQPMH 1602	81.1	80.9	77.6	79.3	78.0	80.3	78.6	78.0	79.3	75.9	77.5	77.0	79.4	78.2	73.3	76.7
13	IIMRQPMH 1603	82.9	80.6	75.2	79.7	71.4	80.7	83.1	82.4	79.0	77.5	78.7	76.0	81.8	83.5	76.5	78.9
14	IIMRQPMH 1605	83.9	80.9	76.3	80.3	76.8	81.4	82.4	82.5	80.4	75.9	79.2	78.4	79.4	77.7	76.7	78.0
15	IIMRQPMH 1606	86.1	81.6	79.5	82.2	72.0	79.8	82.9	81.0	78.9	77.9	80.1	76.1	82.4	80.0	80.4	79.7
16	IIMRQPMH 1608	85.0	81.6	78.3	81.6	76.6	80.6	81.0	81.4	80.3	74.4	81.1	76.9	81.6	76.8	76.5	78.9
17	IIMRQPMH 1609	83.4	81.5	77.1	81.2	72.8	80.1	82.9	84.0	79.6	77.0	80.5	75.8	82.6	76.2	79.3	78.9
18	IIMRQPMH 1610	84.9	81.7	77.0	81.0	76.0	80.9	84.0	80.5	80.7	77.3	80.2	78.5	82.9	76.4	77.0	79.0
19	IIMRQPMH 1701	84.6	81.1	75.8	80.1	71.9	81.3	80.5	80.9	79.4	76.0	80.8	77.5	80.6	77.1	79.7	78.7
20	IIMRQPMH 1702	86.8	81.8	80.4	82.4	70.4	80.9	81.2	81.6	79.2	76.5	80.5	76.8	82.0	81.1	74.7	78.5
21	IIMRQPMH 1703	85.2	81.6	76.3	80.7	74.3	80.9	84.1	83.1	80.4	79.9	80.6	74.2	82.3	78.5	81.0	79.4
22	IIMRQPMH 1704	83.8	81.9	76.2	80.3	78.1	80.4	82.0	80.0	79.5	76.7	79.7	74.8	82.3	77.2	79.0	77.9
23	IIMRQPMH 1705	85.9	81.6	78.6	81.8	73.5	80.9	83.8	81.5	79.8	77.4	79.9	76.5	84.7	76.0	80.6	78.9
24	IIMRQPMH 1706	83.0	80.5	75.6	79.8	76.4	80.5	84.1	76.7	79.0	76.3	80.1	77.7	79.4	80.4	77.8	78.6
25	IIMRQPMH 1707	84.3	81.1	80.6	82.0	74.7	79.9	79.5	82.3	79.3	76.4	78.9	79.6	82.2	74.0	81.4	79.4
26	IIMRQPMH 1708	83.3	80.7	76.0	80.3	73.0	80.2	83.8	82.7	79.5	61.7	78.7	75.6	77.3	78.4	72.0	74.0
27	IIMRQPMH 1709	82.8	80.1	75.8	80.1	73.9	80.1	82.5	84.9	81.5	76.9	79.7	77.1	78.3	80.8	72.7	77.4
28	IIMRQPMH 1710	82.5	79.4	77.4	79.5	69.5	80.5	80.4	78.6	77.4	77.4	79.4	76.4	78.6	78.8	76.9	77.9
29	IIMRQPMH 1711	83.9	81.0	77.0	80.8	69.0	81.0	82.1	81.7	78.5	77.5	81.2	81.1	80.7	73.4	73.9	78.3

TABLE No. 16: (Contd.)

Shelling (%)

Sl. No.	Entry Name	Zone-I(NHZ)				Zone-II(NWPZ)					Zone-III(NEPZ)						
		Almora	Bajaura	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IIMRQPMH 1712	82.2	80.8	78.6	80.9	73.4	80.7	78.5	81.3	78.4	76.0	80.4	79.1	83.1	81.2	74.8	79.6
31	IIMRQPMH 1713	86.4	81.1	78.3	81.8	71.7	81.4	84.0	80.8	79.2	78.0	79.1	75.7	83.7	80.2	80.1	79.6
32	IMHQPM 1530	84.1	82.3	79.0	81.9	71.4	79.3	81.9	85.2	79.2	76.2	79.5	78.0	83.3	77.0	73.4	78.5
33	LQPMH 415	85.1	82.2	78.1	81.7	71.3	80.9	83.2	80.7	79.2	76.8	80.0	77.8	82.4	79.5	78.0	79.0
34	OPQMH 15-1	81.9	80.8	77.5	80.8	71.3	80.0	84.4	79.4	78.7	80.7	78.8	76.3	81.4	81.6	75.6	78.5
35	OQPMH-14191	85.1	81.7	77.2	81.2	72.4	80.7	83.6	80.0	78.7	78.3	78.4	75.4	83.0	79.6	78.0	78.9
36	QPM MH 27	83.1	81.3	76.0	80.1	75.3	81.2	82.3	82.8	80.6	77.3	78.9	76.9	80.5	76.2	72.6	77.4
37	QPM MH 30	84.5	81.4	77.4	81.3	73.6	81.5	84.9	81.7	79.6	82.4	79.6	77.2	82.8	82.4	78.8	79.6
38	VEQH-16-1	82.3	81.4	79.5	81.5	77.9	80.6	81.2	82.8	81.1	64.9	78.6	80.1	83.3	77.1	82.1	77.4
39	HQPM 1 (C)	84.2	81.8	78.3	81.2	78.6	79.1	82.2	81.6	80.1	77.3	80.4	76.7	83.1	78.5	75.5	78.1
40	HQPM 4 (C)	83.8	81.2	77.6	80.5	71.0	81.3	78.2	77.6	77.4	76.0	78.9	81.2	78.0	76.5	72.7	77.1
41	HQPM 5 (C)	83.3	80.4	78.5	80.2	77.2	79.3	85.2	82.0	80.7	77.5	78.7	78.5	82.0	75.9	75.2	77.9
42	HQPM 7 (C)	84.0	81.4	77.4	81.3	71.5	79.0	83.4	82.1	78.7	81.7	81.0	78.2	82.8	77.8	71.8	78.8
43	Vivek Hybrid-27-C	85.2	81.1	77.0	80.9	75.9	80.0	81.3	78.3	78.7	76.7	80.8	78.5	80.5	78.1	77.5	78.8
44	APQH-9-C	83.5	81.0	75.1	80.2	75.1	80.6	85.3	81.8	80.6	75.5	79.7	77.7	80.2	76.3	76.2	78.0
45	Vivek QPM 9 (C)	84.4	81.3	78.7	81.8	74.6	79.4	81.0	80.9	79.3	78.8	79.4	76.9	83.5	79.5	75.7	78.6
	Location Mean	83.9	81.1	77.4	81.2	74.2	80.4	82.2	81.0	79.4	76.9	79.6	77.5	81.5	78.2	76.3	78.5
	CV (%)	2.5	1.4	1.4	1.9	4.8	1.4	2.6	3.5	3.2	7.8	1.4	3.0	2.8	4.6	4.5	4.4
	F (Prob)	0.34	0.77	0.01	1.00	0.10	0.48	0.05	0.25	1.00	0.76	0.14	0.45	0.06	0.58	0.12	1.00
	CD (5%)	3.4	1.9	1.8	1.5	5.8	1.8	3.5	4.6	2.1	9.8	1.8	3.8	3.7	5.9	5.7	2.3
	CD (1%)	4.6	2.5	2.4	2.0	7.7	2.4	4.6	6.1	2.7	13.0	2.5	5.1	4.9	7.9	7.7	3.1

TABLE No. 16: (Contd.)

Shelling (%)

Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	APH-1	79.7	82.6	74.1	80.1	81.0	79.9	84.0	80.1	80.1	74.7	79.3	83.3	79.8	79.3	79.3
2	APH27	79.8	81.7	74.3	80.4	78.7	80.3	79.4	79.2	79.0	76.7	79.8	81.2	81.2	79.4	78.7
3	APQH-5	77.9	81.4	75.6	80.1	76.2	78.4	78.4	78.3	77.3	74.3	79.3	73.3	81.0	77.8	78.5
4	APQH-7	80.8	82.0	72.7	79.4	80.0	78.8	79.4	78.9	77.6	73.7	79.4	81.8	80.6	78.4	78.9
5	BQPMH 16	80.3	84.6	76.3	82.1	80.3	81.6	86.0	81.1	77.4	74.9	83.6	80.5	80.7	79.8	80.2
6	DQH 111	80.4	82.3	73.1	79.0	77.8	79.3	82.2	79.1	80.2	80.4	80.8	84.0	79.9	80.6	79.3
7	DQH 112	80.7	81.1	73.0	79.7	76.6	78.9	82.1	78.6	79.8	73.7	79.9	78.2	79.6	78.5	78.4
8	EHQ 64	79.6	84.5	77.6	82.0	80.2	80.5	79.4	80.7	78.3	78.9	83.7	82.4	80.6	80.6	80.0
9	FQH 106	80.7	85.0	81.8	81.3	79.2	80.0	85.9	81.7	80.1	74.7	84.0	84.8	80.6	80.7	80.8
10	IIMRQPMH 1508	80.8	81.1	74.5	81.1	79.0	79.6	79.9	79.2	79.5	75.0	81.1	81.1	80.6	79.1	78.7
11	IIMRQPMH 1601	80.3	85.1	78.0	80.7	80.9	81.0	84.7	81.9	77.2	74.4	85.2	83.8	79.8	79.6	80.7
12	IIMRQPMH 1602	79.8	80.9	73.4	79.5	78.1	79.9	77.3	78.4	78.9	75.4	76.2	76.9	79.2	77.5	78.1
13	IIMRQPMH 1603	80.3	82.6	74.1	80.0	84.2	79.1	79.9	80.2	78.1	74.3	84.1	81.0	80.4	79.2	79.4
14	IIMRQPMH 1605	79.6	81.8	74.9	80.6	80.4	79.4	81.2	79.7	77.7	78.0	79.1	82.3	81.5	79.5	79.5
15	IIMRQPMH 1606	81.3	84.5	80.9	81.0	77.9	80.1	84.5	81.5	78.0	76.1	86.1	71.5	79.9	78.2	80.0
16	IIMRQPMH 1608	81.0	84.4	75.1	81.1	79.0	80.5	84.7	81.1	77.9	73.1	83.9	68.0	80.7	76.8	79.6
17	IIMRQPMH 1609	80.6	83.8	75.3	81.3	77.7	80.3	82.8	80.6	77.5	75.9	81.3	79.9	80.5	79.4	79.9
18	IIMRQPMH 1610	81.4	84.0	77.3	79.8	80.3	81.5	84.3	81.2	78.1	69.4	80.5	83.8	80.0	78.4	80.0
19	IIMRQPMH 1701	80.5	83.3	75.8	81.5	79.0	79.6	81.8	80.1	77.0	74.1	79.4	82.6	79.3	78.7	79.4
20	IIMRQPMH 1702	80.9	84.1	79.6	81.4	79.4	81.6	86.6	81.5	78.1	74.9	86.3	83.9	81.0	80.8	80.4
21	IIMRQPMH 1703	81.7	83.9	78.1	81.8	82.2	81.8	79.7	81.1	79.0	72.9	84.2	84.8	79.8	79.8	80.2
22	IIMRQPMH 1704	80.0	83.1	77.0	80.9	80.5	79.5	84.7	80.6	78.7	75.2	82.1	83.2	80.1	79.7	79.6
23	IIMRQPMH 1705	82.1	83.6	75.5	81.4	79.4	81.3	82.6	81.2	77.7	77.9	83.3	80.3	80.5	80.4	80.4
24	IIMRQPMH 1706	80.6	81.3	78.3	81.3	78.4	79.1	79.6	79.9	77.5	74.9	77.8	78.9	80.5	78.7	79.3
25	IIMRQPMH 1707	80.8	83.7	77.2	80.1	77.9	80.4	85.1	81.0	78.1	72.1	84.5	86.1	80.4	79.9	80.1
26	IIMRQPMH 1708	80.1	83.4	77.1	81.1	81.8	79.0	82.0	80.7	78.6	73.4	78.7	73.6	79.8	77.4	78.3
27	IIMRQPMH 1709	78.6	81.2	70.1	79.2	79.5	79.3	78.7	78.2	77.3	74.4	79.2	70.2	80.4	76.6	78.4
28	IIMRQPMH 1710	78.4	80.2	69.5	77.7	76.4	80.8	76.8	77.1	78.8	78.9	83.3	79.7	80.1	80.1	78.2
29	IIMRQPMH 1711	79.8	83.9	76.7	81.2	80.6	79.3	81.6	80.8	79.1	72.5	83.6	82.7	80.8	79.5	79.6

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TABLE No. 16: (Contd.)		Shelling (%)														
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
30	IIMRQPMH 1712	79.4	83.1	77.1	81.4	81.7	80.8	80.8	80.6	78.7	74.6	80.1	77.9	80.9	78.6	79.6
31	IIMRQPMH 1713	82.6	82.9	73.9	80.8	81.1	80.6	84.8	81.0	77.6	77.8	84.4	79.4	79.3	80.0	80.3
32	IMHQPM 1530	78.8	84.1	76.3	80.7	80.6	81.6	86.8	81.3	81.2	78.4	86.2	83.1	80.4	81.5	80.4
33	LQPMH 415	80.9	84.2	81.4	80.2	79.1	81.4	86.4	81.9	78.2	76.0	81.3	84.1	80.7	80.3	80.5
34	OPQMH 15-1	80.1	81.3	78.3	78.7	81.3	79.8	81.8	80.3	79.7	77.6	83.7	80.2	80.0	79.9	79.6
35	OQPMH-14191	80.8	82.4	76.9	81.8	80.1	81.2	88.5	81.1	79.2	80.1	82.2	82.4	80.4	80.5	80.0
36	QPM MH 27	80.3	84.4	75.8	80.4	78.3	80.7	81.8	80.0	78.9	73.9	80.8	82.9	80.6	79.5	79.4
37	QPM MH 30	81.9	83.2	79.6	79.9	78.6	80.5	83.1	81.0	77.9	74.1	84.8	81.4	80.6	79.7	80.2
38	VEQH-16-1	79.5	83.8	76.9	80.5	82.1	80.4	86.0	81.6	79.2	75.6	85.9	82.7	80.7	80.7	80.3
39	HQPM 1 (C)	81.6	84.0	76.7	80.4	80.2	78.9	85.6	81.0	77.8	78.5	81.7	80.8	81.2	80.2	80.0
40	HQPM 4 (C)	80.4	81.2	71.7	79.1	77.9	80.0	78.7	78.3	78.1	77.3	79.7	77.4	80.1	78.7	78.3
41	HQPM 5 (C)	79.7	82.1	75.2	78.9	80.2	80.6	79.4	79.2	79.3	76.3	79.8	81.2	80.9	79.3	79.2
42	HQPM 7 (C)	81.0	81.8	74.7	79.6	80.9	78.8	79.6	79.6	78.1	70.6	78.6	81.3	80.3	77.9	79.1
43	Vivek Hybrid-27-C	81.7	82.9	78.6	82.2	79.5	80.1	84.8	81.5	78.6	75.6	83.1	85.3	80.2	80.1	80.0
44	APQH-9-C	80.3	83.6	71.9	81.6	77.3	80.7	83.1	80.4	77.8	74.2	84.2	75.2	80.7	79.3	79.7
45	Vivek QPM 9 (C)	80.5	85.1	78.3	81.8	81.0	79.5	87.8	81.9	81.5	78.2	87.5	84.0	80.4	81.8	80.6
	Location Mean	80.4	83.0	76.0	80.6	79.6	80.1	82.5	80.3	78.5	75.4	82.1	80.5	80.4	79.3	79.6
	CV (%)	1.4	1.8	3.4	1.4	3.4	1.6	3.0	2.4	1.8	3.9	3.1	4.7	0.8	2.9	3.2
	F (Prob)	0.04	0.00	0.00	0.00	0.64	0.29	0.00	1.00	0.23	0.12	0.00	0.21	0.03	1.00	1.00
	CD (5%)	1.8	2.4	4.2	1.8	4.5	2.1	4.0	1.2	2.3	4.9	4.2	6.3	1.0	1.9	0.9
	CD (1%)	2.4	3.2	5.6	2.4	5.9	2.8	5.3	1.6	3.0	6.4	5.6	8.5	1.3	2.4	1.1

TABLE No. 16: (Contd.)

Moisture(%)

Sl. No.	Entry Name	Zone-I(NHZ)				Zone-II(NWPZ)					Zone-III(NEPZ)						
		Almora	Bajaura	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH-1	24.6	22.4	35.3	27.3	23.6	20.5	19.6	26.2	22.6	8.7	17.8	23.4	28.2	31.6	21.7	24.3
2	APH27	20.8	21.9	30.7	24.4	23.8	20.3	17.5	22.7	21.1	23.4	17.5	22.9	26.8	28.7	20.4	23.3
3	APQH-5	25.8	22.4	35.8	27.9	24.6	22.7	17.8	25.6	22.4	23.2	17.5	24.6	26.6	32.4	26.1	25.7
4	APQH-7	26.2	21.8	37.4	27.8	26.7	21.8	17.4	25.4	22.9	24.8	17.3	22.9	27.7	31.2	23.6	23.9
5	BQPMH 16	25.7	22.2	35.3	27.3	25.0	19.2	18.5	25.8	21.9	24.2	17.7	25.8	26.1	31.0	19.9	24.3
6	DQH 111	26.0	21.8	35.4	27.8	24.6	21.3	17.4	26.3	22.5	34.5	17.8	24.0	27.1	30.8	23.2	24.8
7	DQH 112	25.5	22.3	34.8	26.7	27.8	20.1	17.9	25.5	22.8	21.9	17.2	25.4	26.5	32.3	25.8	25.5
8	EHQ 64	22.1	21.9	31.4	25.4	25.0	21.2	18.1	25.2	22.4	32.2	17.9	20.5	26.8	30.3	20.0	23.3
9	FQH 106	21.3	20.7	28.0	22.8	22.5	20.9	19.7	21.1	21.0	30.2	17.1	19.8	23.1	25.5	20.1	21.6
10	IIMRQPMH 1508	23.1	21.4	35.2	26.8	25.1	21.2	19.7	24.7	22.6	32.3	17.9	22.0	26.4	32.0	23.4	23.8
11	IIMRQPMH 1601	24.2	22.1	33.2	26.4	26.1	22.5	19.5	26.4	23.7	22.9	17.2	23.9	27.9	29.3	25.0	24.5
12	IIMRQPMH 1602	21.0	22.3	33.5	25.9	26.2	20.4	19.7	25.4	22.9	24.0	17.7	23.9	26.5	34.1	23.0	24.9
13	IIMRQPMH 1603	22.4	21.5	35.8	26.3	26.3	22.2	16.6	27.0	22.9	26.3	17.8	24.7	26.7	30.1	22.7	24.7
14	IIMRQPMH 1605	23.2	21.6	34.6	26.1	25.1	21.5	19.6	24.7	22.6	20.0	17.1	23.9	29.1	27.2	21.9	23.4
15	IIMRQPMH 1606	25.5	21.8	36.7	27.7	26.7	22.2	19.7	26.0	23.7	24.7	17.3	26.2	26.1	31.2	27.3	25.3
16	IIMRQPMH 1608	23.5	22.0	31.6	25.7	26.4	22.6	20.3	25.9	23.8	23.9	17.3	23.7	26.7	31.6	23.6	24.4
17	IIMRQPMH 1609	24.0	21.8	28.6	24.9	25.3	20.3	18.0	24.7	22.5	22.8	18.0	22.6	26.8	27.6	20.3	23.3
18	IIMRQPMH 1610	21.6	22.3	32.4	25.7	22.0	21.0	19.5	26.2	22.4	22.5	17.7	22.5	27.1	27.1	21.5	22.7
19	IIMRQPMH 1701	23.6	21.9	29.0	24.8	26.6	20.6	17.9	25.3	22.3	20.8	17.2	23.8	26.7	30.4	19.3	23.5
20	IIMRQPMH 1702	23.4	21.9	32.5	25.5	24.7	20.0	18.7	23.9	21.5	21.0	17.5	21.9	27.3	26.1	19.1	22.3
21	IIMRQPMH 1703	21.1	21.2	34.4	25.6	23.0	21.8	19.4	23.6	21.5	30.5	17.0	20.0	26.6	26.5	20.8	21.9
22	IIMRQPMH 1704	22.1	22.5	34.8	26.0	25.8	20.9	19.8	25.3	23.0	6.8	17.3	24.6	42.7	28.2	25.3	27.6
23	IIMRQPMH 1705	22.4	21.8	31.9	26.2	23.8	21.0	18.8	24.5	22.1	25.3	17.4	24.0	26.6	30.3	23.9	24.4
24	IIMRQPMH 1706	26.8	22.6	34.3	27.5	23.9	20.0	19.0	25.8	22.6	21.7	18.0	26.6	22.5	27.2	22.3	24.1
25	IIMRQPMH 1707	23.5	21.9	30.2	25.8	24.1	21.0	16.9	26.9	22.3	23.9	17.5	24.9	26.6	31.2	24.5	24.8
26	IIMRQPMH 1708	25.5	21.9	36.2	27.9	26.4	23.0	19.1	26.7	23.9	34.4	17.4	24.6	26.9	30.0	26.0	25.2
27	IIMRQPMH 1709	23.8	22.3	35.4	27.8	23.4	21.2	19.2	26.2	22.6	24.0	17.7	22.9	27.5	28.6	26.6	24.8
28	IIMRQPMH 1710	26.5	21.6	36.8	28.0	29.1	20.9	18.6	28.3	23.6	23.4	17.7	25.3	26.4	31.7	22.6	25.0
29	IIMRQPMH 1711	25.9	21.8	33.6	27.3	26.3	22.9	17.8	27.7	23.7	23.3	17.6	26.3	26.7	32.2	27.8	26.0

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TABLE No. 16: (Contd.)		Moisture(%)															
Sl. No.	Entry Name	Zone-I(NHZ)				Zone-II(NWPZ)					Zone-III(NEPZ)						
		Almora	Bajaura	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IIMRQPMH 1712	24.2	21.9	35.7	27.1	23.3	21.1	19.9	26.0	22.8	23.3	17.4	25.7	26.8	29.8	24.9	24.9
31	IIMRQPMH 1713	22.3	22.0	32.3	25.6	25.1	20.4	17.8	23.0	21.8	21.8	18.2	22.4	27.0	30.4	18.4	23.0
32	IMHQPM 1530	23.3	22.3	33.7	26.5	24.9	20.3	17.7	24.4	21.7	22.4	17.4	21.7	27.6	28.3	26.8	24.2
33	LQPMH 415	24.7	22.0	31.2	25.6	25.2	19.2	17.5	23.5	21.1	22.1	17.9	22.5	23.1	26.7	16.8	22.5
34	OPQM 15-1	24.2	21.8	33.1	26.7	27.5	21.7	17.1	25.0	23.1	26.2	17.1	24.8	26.3	32.1	25.5	25.4
35	OQPMH-14191	22.0	22.6	35.1	26.9	25.4	22.9	19.3	27.5	23.7	102.2	17.7	21.3	28.0	32.5	23.7	24.4
36	QPM MH 27	21.8	22.4	32.9	26.1	24.4	21.9	16.9	24.5	22.1	7.1	17.5	23.0	28.0	32.0	23.9	24.4
37	QPM MH 30	25.5	22.0	32.2	26.3	25.3	20.3	16.7	26.8	22.3	25.5	17.1	22.2	26.4	30.4	24.3	24.0
38	VEQH-16-1	22.7	21.8	32.8	26.8	23.7	21.7	19.9	25.4	22.8	23.0	17.0	22.4	27.5	26.7	21.2	23.1
39	HQPM 1 (C)	25.3	21.8	33.3	26.1	27.7	22.7	19.4	25.5	23.8	24.0	17.5	22.9	23.4	30.5	24.9	24.8
40	HQPM 4 (C)	23.6	21.6	32.4	26.5	27.5	22.2	19.1	26.8	23.5	34.3	17.7	25.4	26.7	29.9	23.0	25.0
41	HQPM 5 (C)	23.6	22.0	34.1	26.7	24.2	21.9	18.3	26.7	22.6	6.9	17.6	24.1	29.6	34.1	24.4	25.4
42	HQPM 7 (C)	22.9	22.2	31.8	25.6	24.3	21.4	18.6	27.4	23.2	23.9	17.3	24.0	26.7	31.9	22.7	24.3
43	Vivek Hybrid-27-C	21.4	21.3	27.3	23.0	22.0	21.7	19.6	19.9	21.0	23.0	17.5	21.5	28.2	27.4	21.2	22.3
44	APQH-9-C	25.9	21.8	32.6	27.0	26.1	23.8	20.5	27.4	24.5	25.4	17.8	23.5	26.8	28.0	23.1	24.2
45	Vivek QPM 9 (C)	20.6	21.2	28.5	23.7	24.5	19.4	18.6	24.7	21.7	29.6	17.3	20.0	26.9	28.6	21.3	22.6
	Location Mean	23.7	21.9	33.2	25.4	25.1	21.3	18.6	25.4	22.6	25.3	17.5	23.4	27.1	29.9	23.0	24.3
	CV (%)	8.7	2.3	7.6	6.8	8.8	6.0	9.2	7.3	7.9	78.9	3.1	7.5	16.2	9.2	6.8	10.8
	F (Prob)	0.07	0.08	0.12	1.00	0.27	0.07	0.60	0.01	1.00	0.47	0.97	0.00	0.60	0.07	0.00	1.00
	CD (5%)	3.3	0.8	4.2	1.8	3.6	2.1	2.8	3.0	1.5	32.5	0.9	2.9	7.1	4.5	2.6	2.0
	CD (1%)	4.4	1.1	5.7	2.4	4.8	2.8	3.7	4.0	2.0	43.2	1.2	3.8	9.5	6.0	3.5	2.6

TABLE No. 16: (Contd.)

Moisture(%)

Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	APH-1	19.2	17.2	22.4	17.8	15.2	16.7	16.5	17.9	16.1	18.1	18.4	0.5	17.6	17.3	21.4
2	APH27	16.2	15.5	20.1	18.1	15.4	16.7	14.9	16.7	13.6	18.2	13.1	17.2	16.3	16.3	20.0
3	APQH-5	20.7	15.9	22.3	16.7	16.8	17.5	15.9	18.2	16.9	17.9	20.2	18.1	17.5	17.4	21.9
4	APQH-7	17.2	16.5	21.6	17.0	15.6	17.1	16.7	17.4	15.2	17.6	17.2	18.6	16.8	16.8	21.2
5	BQPMH 16	17.1	16.5	20.1	17.3	15.4	17.2	14.8	16.9	16.5	18.0	9.2	22.5	16.6	17.1	20.9
6	DQH 111	19.1	16.4	20.3	17.4	15.3	16.7	16.8	17.2	16.1	18.4	17.1	20.1	16.9	17.1	21.3
7	DQH 112	17.4	17.8	20.5	16.0	16.0	16.7	15.6	17.4	16.9	18.1	11.7	20.7	17.5	17.4	21.5
8	EHQ 64	18.2	17.6	19.7	17.8	15.2	16.7	15.1	17.1	15.3	17.9	18.2	16.8	17.3	16.8	20.6
9	FQH 106	14.1	15.4	21.8	18.2	14.8	15.2	13.2	16.2	15.6	18.0	10.4	17.5	17.5	17.0	19.3
10	IIMRQPMH 1508	18.6	16.1	19.9	17.6	15.3	16.5	16.2	17.4	15.3	18.3	19.2	19.0	17.0	16.7	21.0
11	IIMRQPMH 1601	22.3	18.2	22.3	17.1	15.1	17.5	16.8	18.5	14.4	18.1	18.9	15.3	17.9	16.7	21.6
12	IIMRQPMH 1602	19.5	16.3	20.5	17.4	14.7	16.8	15.2	17.5	16.5	18.3	18.7	18.6	17.6	17.4	21.3
13	IIMRQPMH 1603	19.8	18.4	20.2	16.7	16.1	17.2	14.9	17.5	13.6	18.0	17.1	20.9	17.7	16.5	21.2
14	IIMRQPMH 1605	19.4	16.5	19.3	17.2	14.8	16.3	14.9	16.9	16.0	18.4	18.2	17.7	17.5	17.4	20.7
15	IIMRQPMH 1606	18.6	17.7	21.8	16.4	16.1	16.5	16.4	17.6	16.4	18.1	14.6	20.7	16.8	17.2	21.8
16	IIMRQPMH 1608	18.8	16.9	22.2	17.5	16.0	17.4	16.5	18.0	16.9	17.8	16.6	18.4	17.0	17.2	21.4
17	IIMRQPMH 1609	18.5	17.6	19.9	17.5	15.0	16.5	15.6	17.3	16.4	18.2	15.5	14.9	17.2	17.3	20.6
18	IIMRQPMH 1610	19.5	16.7	21.5	18.0	15.8	16.9	15.5	17.6	14.7	18.0	15.8	34.7	17.7	16.8	20.7
19	IIMRQPMH 1701	15.8	15.2	20.0	17.3	15.2	16.9	15.6	16.5	15.7	18.4	13.0	35.1	17.5	17.1	20.3
20	IIMRQPMH 1702	16.3	14.9	20.4	16.6	14.2	15.8	16.6	16.7	14.9	18.1	13.5	14.8	16.6	16.7	20.0
21	IIMRQPMH 1703	16.2	15.6	19.3	17.1	15.8	15.8	14.6	16.3	14.7	18.0	12.5	18.4	18.6	17.1	19.9
22	IIMRQPMH 1704	17.5	16.7	22.0	17.1	15.0	16.8	15.7	17.2	16.5	18.1	18.8	1.4	17.2	17.3	21.8
23	IIMRQPMH 1705	19.4	17.6	20.7	17.7	15.6	16.6	15.0	17.6	16.4	18.4	14.9	18.4	17.2	17.3	21.1
24	IIMRQPMH 1706	17.8	16.4	21.8	17.0	16.1	17.0	16.9	17.6	15.4	17.9	13.3	18.9	17.0	16.8	21.2
25	IIMRQPMH 1707	17.1	17.8	19.5	17.5	15.2	16.0	15.9	17.0	15.7	18.0	14.6	18.2	17.6	17.0	20.9
26	IIMRQPMH 1708	20.4	17.2	23.4	16.9	16.1	17.5	16.1	18.1	15.1	17.4	20.2	21.0	17.4	16.7	21.9
27	IIMRQPMH 1709	19.7	17.1	22.5	17.6	16.5	17.2	14.6	18.0	15.1	17.9	19.7	17.5	17.1	16.7	21.5
28	IIMRQPMH 1710	21.4	15.6	22.9	16.6	15.7	16.9	14.0	17.5	16.2	18.1	17.5	17.1	17.6	17.4	21.7
29	IIMRQPMH 1711	20.5	17.8	22.8	17.1	15.7	16.9	16.3	18.1	15.8	17.9	21.4	34.5	18.3	17.2	22.0

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TABLE No. 16: (Contd.)		Moisture(%)														
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
30	IIMRQPMH 1712	19.6	18.1	21.4	16.9	15.6	16.9	15.8	17.8	14.3	18.4	39.9	22.3	18.2	16.9	21.5
31	IIMRQPMH 1713	16.6	16.9	21.4	16.1	15.1	17.2	14.0	16.9	15.3	18.5	14.2	13.6	17.5	17.2	20.4
32	IMHQPM 1530	18.7	15.0	19.6	17.1	14.7	17.0	13.5	16.6	16.4	17.9	13.6	15.6	17.3	17.2	20.7
33	LQPMH 415	15.7	16.1	21.7	17.0	15.0	16.1	15.6	16.7	16.1	17.9	14.1	17.1	16.6	17.0	20.0
34	OPQMH 15-1	21.5	17.2	19.9	17.6	15.6	16.6	15.1	17.6	15.4	18.5	18.0	20.0	17.2	16.9	21.5
35	OQPMH-14191	20.1	16.1	21.6	17.8	15.1	16.2	15.7	17.3	16.5	18.1	17.7	2.7	16.9	17.1	21.4
36	QPM MH 27	19.8	17.1	20.8	17.1	15.4	16.2	16.7	17.4	16.2	18.1	19.8	96.1	17.5	17.2	21.0
37	QPM MH 30	18.3	16.7	20.7	16.1	16.0	16.7	15.3	17.1	15.8	17.9	17.0	22.1	17.0	17.0	20.8
38	VEQH-16-1	18.6	16.0	20.9	17.1	16.0	16.8	13.7	17.1	16.5	18.3	15.9	17.8	17.3	17.2	20.8
39	HQPM 1 (C)	18.7	16.9	21.3	18.5	15.3	17.0	17.2	17.9	14.4	18.5	18.4	18.7	17.8	16.8	21.5
40	HQPM 4 (C)	20.3	18.7	21.3	18.4	16.6	16.5	14.4	17.8	16.6	18.0	17.3	20.6	17.8	17.5	21.6
41	HQPM 5 (C)	19.5	16.7	21.7	16.2	15.2	16.9	17.5	17.6	14.0	18.3	18.2	0.1	17.5	16.7	21.4
42	HQPM 7 (C)	19.5	16.6	20.3	17.2	15.6	17.1	16.3	17.4	17.5	18.3	18.6	35.0	17.1	17.6	21.2
43	Vivek Hybrid-27-C	16.4	15.4	21.4	17.5	15.4	16.8	15.4	16.9	16.1	17.9	12.3	14.9	16.5	16.9	19.7
44	APQH-9-C	19.5	17.6	21.1	17.1	16.1	17.4	14.9	17.7	15.1	17.8	17.7	18.2	17.5	16.7	21.6
45	Vivek QPM 9 (C)	15.2	14.8	20.7	17.4	14.9	16.3	13.9	16.4	15.9	18.0	13.0	15.2	17.4	16.8	19.8
	Location Mean	18.5	16.7	21.1	17.2	15.5	16.7	15.5	17.3	15.7	18.1	16.8	20.0	17.3	17.0	20.8
	CV (%)	8.8	8.8	5.5	5.3	4.1	3.4	7.6	6.6	6.7	2.0	33.0	82.7	3.6	4.3	8.3
	F (Prob)	0.00	0.44	0.01	0.62	0.04	0.04	0.01	1.00	0.03	0.44	0.05	0.51	0.19	1.00	1.00
	CD (5%)	2.7	2.4	1.9	1.5	1.0	0.9	1.9	0.7	1.7	0.6	9.0	27.6	1.0	0.7	0.6
	CD (1%)	3.6	3.2	2.5	2.0	1.4	1.2	2.6	0.9	2.3	0.8	12.0	37.2	1.4	0.9	0.8

TABLE No. 16: (Contd.)

Days to 50% Pollen Shed

Sl. No.	Entry Name	Zone-I(NHZ)				Zone-II(NWPZ)					Zone-III(NEPZ)						
		Almora	Bajaura	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH-1	57.3	51.4	53.5	54.2	49.2	48.5	50.0	51.9	50.1	51.6	48.7	49.6	53.3	49.9	52.1	50.6
2	APH27	54.7	47.9	48.7	50.1	48.3	48.6	49.9	52.7	49.7	49.7	48.2	48.6	49.4	49.6	51.4	49.3
3	APQH-5	61.8	53.8	53.6	55.6	49.5	50.8	50.1	53.5	51.0	52.2	48.8	50.8	55.7	51.5	53.0	52.4
4	APQH-7	60.9	51.3	49.8	53.9	49.5	49.9	47.8	52.3	49.9	52.1	50.9	50.0	53.6	53.6	51.3	52.0
5	BQPMH 16	59.2	51.5	52.5	54.7	48.2	47.4	52.0	51.8	49.5	50.2	47.8	48.0	53.3	50.0	51.8	50.3
6	DQH 111	60.3	54.7	53.2	55.6	49.8	49.9	49.6	52.6	50.8	53.2	49.2	47.6	53.9	52.7	51.8	51.3
7	DQH 112	60.2	51.7	55.0	55.8	49.5	51.7	49.6	51.9	50.5	52.7	45.0	50.1	52.3	50.4	52.2	50.9
8	EHQ 64	57.7	48.2	48.4	51.1	48.8	48.3	48.7	51.7	49.5	48.4	48.1	47.5	51.7	50.3	49.9	49.0
9	FQH 106	53.8	43.2	48.3	47.8	45.7	52.8	49.7	49.2	49.3	49.2	47.2	45.7	48.6	45.4	45.2	47.0
10	IIMRQPMH 1508	61.8	53.6	53.2	55.8	48.9	50.1	51.2	52.3	50.6	50.9	50.7	48.4	54.7	51.9	55.1	51.8
11	IIMRQPMH 1601	58.4	47.8	49.1	52.2	49.8	49.7	49.7	52.0	49.9	50.1	48.2	49.4	52.5	50.8	48.5	50.0
12	IIMRQPMH 1602	58.1	50.7	51.7	53.3	49.1	49.2	51.6	52.7	50.8	52.1	49.4	48.9	52.8	51.1	52.2	51.3
13	IIMRQPMH 1603	60.4	50.2	51.8	54.1	50.2	52.2	47.9	53.6	50.8	55.3	49.4	51.0	52.8	53.9	54.2	52.6
14	IIMRQPMH 1605	58.2	48.1	48.4	51.8	49.5	50.3	49.9	53.2	50.5	52.5	45.8	48.4	51.9	50.0	51.1	50.2
15	IIMRQPMH 1606	61.1	52.9	53.4	56.2	51.4	50.0	50.3	51.8	51.1	54.1	49.2	50.8	56.7	52.0	54.9	53.1
16	IIMRQPMH 1608	61.2	53.0	53.9	55.9	50.2	51.4	51.3	52.5	51.3	51.8	49.9	49.1	52.8	50.2	52.7	51.2
17	IIMRQPMH 1609	56.1	48.8	48.9	51.4	49.3	50.2	49.6	49.5	49.8	50.4	48.0	49.2	52.6	47.2	52.2	49.6
18	IIMRQPMH 1610	59.3	52.1	52.1	54.7	50.0	50.9	48.7	52.6	50.8	52.7	48.6	48.0	53.8	53.9	50.4	51.2
19	IIMRQPMH 1701	57.2	51.0	48.6	53.1	49.8	52.0	49.5	51.5	50.7	52.1	48.4	48.3	51.9	50.6	52.0	50.6
20	IIMRQPMH 1702	55.1	46.5	45.2	48.7	47.8	48.2	50.1	51.5	49.1	47.2	48.7	47.4	49.4	45.7	44.6	47.4
21	IIMRQPMH 1703	53.9	48.0	51.9	51.4	46.8	50.3	50.0	54.2	50.4	47.2	46.3	49.2	52.2	48.5	51.1	49.2
22	IIMRQPMH 1704	57.9	50.6	50.8	53.6	49.1	48.2	51.7	51.9	50.3	51.6	47.7	48.8	53.7	50.1	53.4	50.8
23	IIMRQPMH 1705	56.9	51.2	52.4	54.2	49.3	48.7	49.0	49.1	49.4	51.5	48.9	47.2	53.3	50.4	52.6	50.6
24	IIMRQPMH 1706	55.4	47.5	51.7	51.9	49.7	48.7	50.7	52.0	50.1	53.2	46.0	50.8	51.7	48.5	49.6	50.0
25	IIMRQPMH 1707	59.9	51.5	49.0	53.5	46.6	51.6	51.6	54.1	51.0	52.1	48.7	49.6	52.7	50.0	52.3	51.0
26	IIMRQPMH 1708	60.4	53.9	53.4	55.2	50.8	49.5	50.0	52.4	50.9	53.5	48.1	51.9	54.5	53.6	55.2	52.8
27	IIMRQPMH 1709	59.4	53.6	51.2	54.0	47.3	49.2	49.8	54.2	49.9	53.5	50.9	50.8	55.6	52.4	54.4	53.0
28	IIMRQPMH 1710	59.6	53.1	52.2	55.8	51.4	48.7	50.9	55.9	51.1	53.8	49.4	51.5	54.6	53.0	55.6	52.8
29	IIMRQPMH 1711	60.4	54.5	52.4	56.1	51.7	50.7	49.3	56.2	52.0	53.6	52.7	49.5	57.0	52.3	53.9	52.9

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TABLE No. 16: (Contd.)

Days to 50% Pollen Shed

Sl. No.	Entry Name	Zone-I(NHZ)				Zone-II(NWPZ)					Zone-III(NEPZ)						
		Almora	Bajaura	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IIMRQPMH 1712	59.0	52.2	51.2	53.9	47.0	49.9	51.8	55.8	51.0	52.6	50.3	48.6	55.7	50.0	52.7	51.7
31	IIMRQPMH 1713	54.2	51.4	51.9	53.0	49.7	50.5	47.4	53.2	50.0	51.6	48.1	49.9	53.3	52.9	51.4	51.0
32	IMHQPM 1530	55.1	48.0	45.4	49.6	47.8	48.6	48.3	51.2	48.7	51.0	49.1	49.0	49.9	47.7	47.6	48.9
33	LQPMH 415	54.3	44.7	47.2	48.9	47.1	48.7	47.9	51.0	48.6	48.0	48.5	46.5	47.6	43.2	48.9	46.9
34	OPQMH 15-1	62.8	51.6	52.5	55.0	53.3	48.6	48.4	52.6	50.8	53.4	49.1	49.4	52.4	51.1	51.1	51.0
35	OQPMH-14191	56.7	52.6	53.8	54.0	49.5	48.9	50.3	51.1	50.1	50.0	48.2	49.7	53.3	52.0	52.9	50.9
36	QPM MH 27	61.0	52.3	53.5	55.6	45.2	49.6	48.9	51.7	49.3	53.2	46.6	50.0	53.8	51.1	53.2	51.2
37	QPM MH 30	58.1	49.6	49.6	52.1	49.8	50.4	47.3	49.6	49.9	50.7	47.4	48.5	52.3	50.8	51.3	50.1
38	VEQH-16-1	59.3	49.5	51.8	53.0	47.5	51.0	52.0	51.9	50.5	49.7	45.6	47.9	52.2	50.6	47.6	49.1
39	HQPM 1 (C)	62.5	51.2	52.8	54.9	49.3	49.5	51.5	53.8	51.2	54.3	48.4	48.5	52.9	52.6	53.2	51.9
40	HQPM 4 (C)	57.6	53.5	53.7	55.2	49.1	49.0	48.9	54.8	50.4	54.6	47.7	52.0	54.9	53.8	54.2	52.9
41	HQPM 5 (C)	60.0	54.0	54.0	56.6	51.8	50.5	47.4	57.2	52.0	53.7	52.1	51.2	57.7	53.1	53.3	53.4
42	HQPM 7 (C)	60.1	52.2	50.5	54.2	47.6	50.0	49.8	52.8	50.4	53.7	51.2	47.3	53.5	52.5	51.6	51.6
43	Vivek Hybrid-27-C	55.5	48.4	44.3	49.8	48.6	49.9	49.2	50.7	49.6	49.4	49.2	47.8	46.7	45.4	48.7	47.9
44	APQH-9-C	57.8	50.2	53.2	54.0	49.1	51.8	50.7	54.3	51.3	54.1	50.0	49.4	53.5	52.4	52.9	51.9
45	Vivek QPM 9 (C)	54.2	42.6	48.1	48.0	47.2	51.9	48.7	51.4	49.5	47.7	44.6	46.5	46.4	48.2	48.5	47.2
	Location Mean	58.3	50.6	51.1	53.6	49.0	49.9	49.8	52.5	50.3	51.7	48.6	49.1	52.8	50.6	51.6	50.7
	CV (%)	4.6	2.3	2.2	3.6	3.5	4.6	4.4	2.9	3.9	3.0	3.8	2.9	1.8	3.9	3.1	3.1
	F (Prob)	0.01	0.00	0.00	1.00	0.00	0.91	0.68	0.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	1.00
	CD (5%)	4.4	1.9	1.8	2.0	2.8	3.8	3.5	2.5	1.6	2.5	3.0	2.4	1.5	3.2	2.7	1.1
	CD (1%)	5.8	2.5	2.5	2.6	3.7	5.0	4.7	3.3	2.2	3.4	4.0	3.1	2.0	4.3	3.7	1.5

TABLE No. 16: (Contd.)

Days to 50% Pollen Shed

Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	APH-1	51.5	62.7	50.9	49.7	54.8	53.3	52.5	53.7	51.0	47.8	54.4	51.7	55.0	51.9	52.1
2	APH27	50.6	61.8	51.2	52.1	51.9	48.5	51.3	52.8	48.5	48.0	55.7	55.4	52.9	51.8	51.0
3	APQH-5	52.0	61.6	54.4	54.2	57.5	55.2	54.9	55.3	52.3	48.5	55.4	49.6	59.0	52.8	53.5
4	APQH-7	52.8	64.2	58.1	48.9	54.0	53.8	55.0	55.4	51.0	48.7	54.6	50.0	56.2	52.5	52.9
5	BQPMH 16	48.7	60.5	50.1	50.4	52.7	49.5	51.2	52.5	47.3	48.8	54.7	50.0	53.1	51.0	51.4
6	DQH 111	52.1	64.5	54.8	55.8	54.7	53.6	53.3	55.3	51.0	48.1	56.1	50.0	56.3	52.3	53.1
7	DQH 112	51.9	63.5	50.7	53.0	53.6	51.1	53.0	53.8	49.5	48.9	55.6	50.8	54.6	51.9	52.4
8	EHQ 64	50.5	60.5	50.8	51.8	55.0	50.0	51.7	52.8	50.0	47.5	54.2	51.8	49.2	50.6	50.7
9	FQH 106	46.3	56.3	53.3	54.8	53.7	47.1	47.5	50.9	46.9	48.9	54.2	55.0	51.0	51.3	49.4
10	IIMRQPMH 1508	52.9	64.5	53.9	52.6	54.2	53.0	54.3	55.0	51.0	48.8	54.4	47.2	56.1	51.6	53.0
11	IIMRQPMH 1601	48.5	60.6	53.6	56.3	53.6	51.2	50.7	53.5	49.1	48.3	54.5	50.7	54.1	51.2	51.4
12	IIMRQPMH 1602	51.3	62.4	52.8	54.2	54.9	52.2	52.5	54.3	49.8	47.6	54.3	53.6	57.0	52.2	52.5
13	IIMRQPMH 1603	52.2	63.3	54.7	55.9	55.2	54.3	54.9	55.8	52.8	48.6	55.4	53.9	56.3	53.3	53.5
14	IIMRQPMH 1605	50.4	60.7	52.1	53.1	53.6	50.5	51.9	53.0	49.2	48.9	55.1	52.4	55.3	52.2	51.6
15	IIMRQPMH 1606	53.2	62.7	55.7	53.3	54.8	54.0	54.8	55.6	53.2	48.2	55.6	49.1	58.2	53.0	53.8
16	IIMRQPMH 1608	52.8	64.9	53.2	54.1	56.2	54.2	53.8	55.5	52.0	47.4	55.2	53.0	56.7	52.8	53.3
17	IIMRQPMH 1609	50.8	61.6	50.0	50.4	55.1	50.4	51.9	53.1	48.6	47.0	55.2	54.9	54.4	51.9	51.3
18	IIMRQPMH 1610	49.8	63.7	56.3	53.0	53.6	52.8	53.4	54.7	52.7	49.9	56.2	52.3	57.3	53.4	53.0
19	IIMRQPMH 1701	50.7	63.0	45.6	52.1	55.1	50.8	54.9	53.5	50.1	48.8	54.2	48.2	53.9	50.9	51.8
20	IIMRQPMH 1702	46.2	61.3	51.0	52.5	51.8	47.3	50.5	51.6	47.0	48.9	53.3	49.7	50.0	49.8	49.5
21	IIMRQPMH 1703	50.4	60.8	52.0	51.6	53.9	50.4	51.6	52.9	48.4	48.2	57.2	49.9	55.6	51.6	51.2
22	IIMRQPMH 1704	52.5	63.7	57.7	55.5	55.5	52.5	53.6	55.7	50.9	49.0	55.7	51.8	56.2	53.0	52.8
23	IIMRQPMH 1705	50.1	63.0	52.0	51.5	54.1	53.6	52.1	54.0	53.0	48.9	54.4	54.4	57.0	53.5	52.4
24	IIMRQPMH 1706	48.9	62.6	42.9	51.4	53.5	50.9	52.1	51.7	49.5	49.0	55.2	51.1	51.6	51.5	51.0
25	IIMRQPMH 1707	51.9	61.4	50.6	53.8	54.8	51.3	53.4	54.0	50.2	48.2	55.4	47.0	55.8	51.2	52.2
26	IIMRQPMH 1708	52.4	64.5	54.3	51.2	56.9	54.5	54.8	55.0	51.7	48.5	56.2	48.5	57.9	52.7	53.4
27	IIMRQPMH 1709	52.9	65.1	56.4	52.0	70.2	53.7	56.9	58.4	53.1	48.4	59.0	52.6	56.8	53.8	54.3
28	IIMRQPMH 1710	52.8	65.5	56.3	56.3	56.2	54.4	56.1	57.0	53.3	48.2	58.5	48.4	58.5	53.5	54.2
29	IIMRQPMH 1711	52.8	63.1	59.2	54.0	56.3	53.7	54.8	56.4	52.9	49.4	54.6	50.2	58.8	53.3	54.2

TABLE No. 16: (Contd.)

Days to 50% Pollen Shed

Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
30	IIMRQPMH 1712	52.0	63.8	53.7	53.1	55.4	53.6	53.7	55.0	50.3	49.2	54.5	45.9	56.9	51.8	52.8
31	IIMRQPMH 1713	49.5	63.9	50.2	53.8	54.8	52.2	51.5	53.7	51.1	49.1	56.0	53.0	58.6	53.6	52.3
32	IMHQPM 1530	48.4	59.1	50.2	52.5	54.7	47.0	50.1	51.8	47.6	48.9	54.1	49.4	54.0	51.1	50.2
33	LQPMH 415	46.1	57.8	50.9	51.4	52.6	45.5	47.4	50.4	46.6	49.8	54.3	52.3	50.1	50.6	49.1
34	OPQMH 15-1	52.2	63.0	50.8	55.9	57.1	51.8	53.6	55.0	51.4	48.9	55.0	51.1	57.9	52.7	53.0
35	OQPMH-14191	52.2	63.4	54.0	51.5	55.3	51.0	52.0	53.8	50.6	46.9	55.3	52.7	55.0	52.1	52.2
36	QPM MH 27	51.8	62.6	54.8	52.8	55.4	52.7	53.3	54.6	50.0	48.2	56.5	54.1	57.0	53.2	52.8
37	QPM MH 30	51.8	61.2	52.2	52.7	53.8	50.8	51.8	53.5	48.0	49.4	54.7	53.0	53.0	51.9	51.7
38	VEQH-16-1	48.8	61.8	52.5	52.5	54.5	50.9	51.4	53.1	49.8	47.9	55.0	55.7	56.1	52.7	51.7
39	HQPM 1 (C)	52.8	64.9	57.4	55.2	56.1	54.1	53.4	56.0	52.3	48.7	55.7	51.1	56.8	52.9	53.5
40	HQPM 4 (C)	52.9	64.3	54.0	52.5	57.2	53.9	56.2	55.9	52.1	47.3	56.9	52.8	60.1	53.8	53.8
41	HQPM 5 (C)	53.9	63.7	55.0	53.6	55.6	55.9	54.5	56.1	53.6	48.2	56.4	53.9	58.6	54.3	54.5
42	HQPM 7 (C)	52.0	64.7	54.9	53.1	55.1	53.8	54.7	55.5	53.2	48.5	54.7	50.4	57.8	53.0	53.1
43	Vivek Hybrid-27-C	46.4	60.3	50.0	55.2	53.3	47.5	49.4	51.7	46.1	48.2	54.8	50.5	50.7	50.1	49.9
44	APQH-9-C	51.5	63.2	57.5	52.4	57.2	54.8	54.5	55.8	51.4	48.9	57.2	56.4	57.5	54.2	53.6
45	Vivek QPM 9 (C)	46.7	56.3	48.7	51.4	54.6	46.1	47.1	50.0	44.0	48.5	54.8	49.1	49.2	48.8	48.8
	Location Mean	50.9	62.4	52.9	53.0	55.1	51.8	52.8	54.1	50.3	48.5	55.3	51.4	55.4	52.3	52.3
	CV (%)	1.7	3.2	6.3	5.3	6.8	1.7	1.8	4.4	2.3	2.6	1.7	5.4	1.8	2.6	3.7
	F (Prob)	0.00	0.00	0.00	0.77	0.26	0.00	0.00	1.00	0.00	0.94	0.00	0.41	0.00	1.00	1.00
	CD (5%)	1.4	3.2	5.4	4.6	6.1	1.4	1.6	1.5	1.9	2.0	1.6	4.6	1.6	1.1	0.7
	CD (1%)	1.8	4.3	7.2	6.1	8.2	1.9	2.1	2.0	2.5	2.7	2.1	6.3	2.1	1.4	0.9

TABLE No. 16: (Contd.)

Days to 75% Dry Husk

Sl. No.	Entry Name	Zone-I(NHZ)				Zone-II(NWPZ)				Zone-III(NEPZ)						
		Almora	Bajaura	Kangra	Zone1	Delhi	Karnal	Ludhiana	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH-1	104.4	98.2	97.8	100.0	95.8	87.1	91.4	91.4	84.3	87.3	85.2	99.5	82.9	88.2	86.8
2	APH27	97.3	89.4	92.6	92.5	85.2	86.5	89.4	86.9	83.3	88.4	83.4	94.6	82.8	86.5	85.7
3	APQH-5	113.0	100.2	97.8	102.5	94.0	90.1	90.1	91.1	83.9	89.2	88.6	96.3	84.2	94.6	89.7
4	APQH-7	111.1	105.1	93.9	103.1	94.0	90.0	86.5	91.0	86.2	89.9	88.9	95.8	89.2	93.7	90.3
5	BQPMH 16	102.0	91.3	96.6	96.8	88.5	87.1	90.6	88.4	85.3	87.0	82.7	96.1	84.8	85.5	86.9
6	DQH 111	105.1	98.1	96.0	99.3	89.8	89.0	88.3	89.3	84.3	87.7	81.5	94.3	85.7	90.5	87.5
7	DQH 112	103.3	95.6	98.7	99.1	94.1	89.4	87.8	90.0	84.7	86.7	80.3	103.7	85.6	89.1	88.4
8	EHQ 64	98.6	91.9	93.0	94.1	97.1	87.0	87.3	91.0	82.4	88.1	80.6	105.1	83.1	84.5	87.1
9	FQH 106	95.3	85.0	93.1	90.3	87.8	89.4	90.2	90.1	81.7	86.1	76.8	102.4	76.0	91.7	85.6
10	IIMRQPMH 1508	104.1	94.1	98.2	98.8	96.1	87.8	86.8	91.2	85.1	90.7	82.5	95.9	83.2	88.7	87.7
11	IIMRQPMH 1601	107.9	95.3	93.0	99.1	100.6	88.9	87.7	91.5	84.5	86.6	81.5	94.4	84.8	87.6	86.4
12	IIMRQPMH 1602	103.3	93.8	95.0	97.4	96.4	87.3	78.3	87.9	83.1	89.3	84.0	91.8	87.2	90.5	88.2
13	IIMRQPMH 1603	113.4	100.3	95.9	103.1	99.4	91.3	88.8	92.5	85.4	88.5	88.4	97.0	91.0	94.6	90.9
14	IIMRQPMH 1605	107.6	91.9	92.6	96.9	94.2	90.2	91.5	91.7	84.8	86.5	83.9	98.8	82.4	89.6	87.7
15	IIMRQPMH 1606	108.7	101.4	97.1	102.9	96.4	89.8	89.9	91.7	84.9	89.0	87.0	96.7	90.1	95.7	90.7
16	IIMRQPMH 1608	106.5	104.1	98.7	102.8	97.4	89.9	91.4	92.4	81.7	89.5	84.2	94.6	86.3	92.7	88.2
17	IIMRQPMH 1609	97.3	93.2	92.9	95.3	97.5	89.1	88.2	91.8	80.5	87.5	81.7	96.0	78.0	85.6	84.7
18	IIMRQPMH 1610	101.9	96.2	95.9	98.3	94.7	90.0	88.6	91.4	80.5	87.6	82.7	96.1	85.4	93.6	87.4
19	IIMRQPMH 1701	99.0	91.3	92.4	94.9	91.7	90.4	87.3	89.3	82.8	87.6	81.7	94.4	82.6	84.7	86.0
20	IIMRQPMH 1702	95.8	86.9	89.0	90.4	94.8	85.8	89.3	89.2	80.7	88.8	76.3	90.4	78.9	86.3	83.4
21	IIMRQPMH 1703	96.5	89.9	95.3	94.0	93.0	89.3	87.5	89.8	80.7	86.9	79.0	96.4	77.3	84.6	84.0
22	IIMRQPMH 1704	101.7	98.1	93.7	97.6	95.6	87.6	92.0	91.6	83.1	88.2	81.6	100.6	83.4	90.3	86.9
23	IIMRQPMH 1705	99.6	95.3	96.1	98.4	96.0	87.1	87.9	90.9	84.8	88.3	80.4	90.9	82.7	85.9	86.2
24	IIMRQPMH 1706	100.4	90.4	95.3	95.8	95.3	87.8	89.5	90.9	84.3	87.0	84.3	96.5	85.9	84.0	86.8
25	IIMRQPMH 1707	102.3	91.5	92.9	95.7	95.7	89.4	88.9	91.6	83.8	87.7	82.8	91.1	84.5	91.6	87.9
26	IIMRQPMH 1708	108.7	103.3	98.5	102.6	97.8	89.0	91.0	93.5	85.1	88.1	89.0	95.0	89.8	96.4	90.5
27	IIMRQPMH 1709	108.0	100.4	97.1	101.0	86.9	88.4	92.1	88.9	83.6	91.1	92.0	97.2	87.7	95.8	90.8
28	IIMRQPMH 1710	107.7	101.6	95.5	102.6	100.5	88.7	90.9	91.6	84.7	88.4	91.3	94.4	88.3	90.2	89.9
29	IIMRQPMH 1711	108.5	102.6	97.2	103.1	99.0	90.0	86.7	91.8	87.2	92.7	93.0	96.3	89.1	98.1	93.1

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TABLE No. 16: (Contd.)

Days to 75% Dry Husk

Sl. No.	Entry Name	Zone-I(NHZ)				Zone-II(NWPZ)				Zone-III(NEPZ)						
		Almora	Bajaura	Kangra	Zone1	Delhi	Karnal	Ludhiana	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IIMRQPMH 1712	109.1	99.9	95.4	101.0	90.4	90.3	90.8	90.9	81.8	91.8	87.4	96.6	77.4	96.4	89.0
31	IIMRQPMH 1713	93.8	95.8	96.1	96.8	97.1	88.1	85.5	90.1	81.4	88.8	80.1	93.9	84.6	80.6	84.7
32	IMHQPM 1530	103.2	89.5	90.3	94.7	94.9	86.9	86.8	89.1	84.2	89.9	81.6	93.4	80.1	90.6	87.2
33	LQPMH 415	99.7	91.9	91.7	94.3	90.4	87.9	87.5	87.9	81.2	86.3	78.5	102.9	75.9	81.1	84.1
34	OPQMH 15-1	107.2	96.7	96.3	99.8	104.4	89.2	89.4	94.3	83.9	88.7	83.3	95.6	84.8	88.6	87.8
35	OQPMH-14191	100.0	99.2	97.5	98.4	93.1	88.2	88.7	90.8	86.3	88.4	83.6	97.7	89.0	94.3	89.0
36	QPM MH 27	109.0	102.2	96.5	102.2	85.9	88.5	88.0	87.9	87.4	87.7	86.2	98.2	83.0	95.3	89.1
37	QPM MH 30	102.8	97.3	94.7	98.3	95.0	90.2	86.4	91.3	85.4	86.0	84.8	92.6	82.6	92.7	87.7
38	VEQH-16-1	108.0	98.4	95.3	100.1	90.0	89.5	91.0	90.5	85.8	87.3	79.5	102.6	83.5	85.8	88.2
39	HQPM 1 (C)	113.8	104.5	97.1	104.2	94.9	88.3	91.6	91.3	83.7	86.9	91.2	97.0	92.7	96.9	91.5
40	HQPM 4 (C)	108.2	101.4	96.9	102.4	92.8	88.2	86.8	89.5	86.9	86.7	88.9	92.7	88.5	92.9	90.3
41	HQPM 5 (C)	107.8	102.7	97.6	103.4	97.4	89.3	88.3	91.0	86.4	91.5	87.7	97.8	89.3	94.7	90.7
42	HQPM 7 (C)	109.6	103.7	95.2	102.8	90.4	89.7	89.6	90.8	86.1	88.9	91.0	94.2	87.1	95.1	90.8
43	Vivek Hybrid-27-C	97.1	83.0	88.1	89.9	94.3	88.8	90.0	91.1	82.3	87.9	75.4	99.5	75.2	87.0	84.3
44	APQH-9-C	109.6	101.2	97.4	103.4	92.9	91.1	89.0	90.6	84.9	91.1	90.7	96.4	90.7	94.9	91.4
45	Vivek QPM 9 (C)	99.3	91.0	91.7	93.8	89.4	89.4	85.8	88.2	81.6	86.3	82.4	92.9	81.3	88.2	85.2
	Location Mean	104.2	96.3	95.1	99.0	94.2	88.8	88.7	90.6	83.9	88.3	84.2	96.4	84.4	90.3	87.8
	CV (%)	4.2	3.0	1.2	3.3	4.5	2.2	3.8	3.7	2.1	2.0	2.8	6.3	5.5	4.1	4.2
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.71	0.26	0.00	0.00	0.01	0.00	0.89	0.00	0.03	0.00
	CD (5%)	7.2	4.7	1.9	3.3	6.9	3.2	5.5	3.2	2.9	2.9	3.8	9.9	7.6	6.2	2.5
	CD (1%)	9.6	6.2	2.6	4.3	9.1	4.3	7.3	4.2	3.9	3.8	5.1	13.2	10.1	8.3	3.3

TABLE No. 16: (Contd.)

Days to 75% Dry Husk

Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	APH-1	94.9	105.7	104.4	88.7	97.6	88.4	92.4	95.9	90.9	74.5	92.1	86.9	87.3	86.3	91.9
2	APH27	92.5	103.4	90.9	94.8	96.8	87.4	88.8	93.5	87.3	74.4	89.6	71.3	84.3	83.8	88.9
3	APQH-5	95.1	110.9	104.6	94.5	98.8	89.4	98.5	98.5	91.5	76.3	96.5	169.7	90.2	88.6	94.0
4	APQH-7	94.7	112.4	102.2	87.8	99.5	88.7	95.5	97.6	92.1	74.9	98.5	52.4	90.4	89.1	94.1
5	BQPMH 16	92.0	103.7	100.5	90.3	98.4	88.2	92.0	95.0	86.0	74.3	91.3	110.5	86.0	84.5	90.5
6	DQH 111	93.5	106.0	101.0	97.0	97.1	87.9	92.6	96.4	89.1	74.2	99.6	-2.3	86.6	87.5	91.9
7	DQH 112	94.3	104.6	101.0	94.5	96.3	89.1	94.1	95.9	86.1	75.3	90.3	181.3	86.1	84.2	91.5
8	EHQ 64	93.1	104.3	99.7	92.1	97.9	88.5	89.3	94.8	86.5	73.6	93.7	93.7	79.8	83.4	90.2
9	FQH 106	89.3	105.9	91.9	94.8	96.3	90.6	86.0	93.5	84.8	75.2	80.8	57.5	81.6	80.8	88.4
10	IIMRQPMH 1508	95.1	108.1	100.3	91.9	96.5	88.0	91.0	96.1	89.6	75.0	94.8	78.2	86.2	86.6	92.0
11	IIMRQPMH 1601	90.9	106.0	103.0	99.3	95.1	87.2	93.6	96.7	89.6	74.8	90.1	57.0	83.7	84.6	91.6
12	IIMRQPMH 1602	93.6	110.8	101.4	94.2	97.4	89.5	93.7	97.1	89.2	74.6	94.9	177.6	89.7	86.9	91.8
13	IIMRQPMH 1603	95.1	115.3	100.4	100.2	97.3	91.2	97.2	99.6	91.9	74.9	98.4	-8.7	88.8	88.4	94.9
14	IIMRQPMH 1605	92.1	109.0	98.3	94.8	96.4	88.3	89.9	95.5	89.7	75.1	96.2	58.6	87.6	87.2	91.7
15	IIMRQPMH 1606	96.8	109.1	103.1	94.9	97.6	90.5	94.0	98.2	90.8	74.6	96.2	92.2	91.9	88.2	94.3
16	IIMRQPMH 1608	96.2	108.1	103.5	93.7	97.2	90.5	94.7	97.7	90.0	74.2	93.5	84.6	90.1	86.9	93.3
17	IIMRQPMH 1609	92.3	103.7	99.9	89.8	98.0	90.4	91.2	94.9	88.2	73.7	91.9	105.6	87.4	85.1	90.1
18	IIMRQPMH 1610	92.5	107.3	103.6	93.0	95.8	89.2	90.8	96.3	88.9	75.3	96.2	60.5	83.8	85.6	91.8
19	IIMRQPMH 1701	93.4	106.1	99.7	93.3	97.8	88.9	94.2	96.2	87.4	73.9	91.6	86.7	86.6	84.7	90.5
20	IIMRQPMH 1702	88.9	104.3	94.0	93.9	97.3	87.4	92.3	93.7	84.3	75.3	87.3	182.4	82.5	82.4	88.0
21	IIMRQPMH 1703	92.4	104.3	96.5	90.6	96.5	88.1	90.8	94.2	86.3	74.2	90.7	53.2	87.4	84.8	89.3
22	IIMRQPMH 1704	95.0	107.5	102.9	96.6	98.4	88.8	93.3	97.5	89.3	75.6	93.0	74.2	89.9	87.1	92.2
23	IIMRQPMH 1705	92.7	103.3	101.5	92.3	96.5	92.0	89.7	95.4	89.2	75.1	91.3	115.9	89.7	86.4	91.2
24	IIMRQPMH 1706	91.4	106.0	103.2	94.1	96.3	91.1	92.9	96.1	88.5	75.4	95.6	117.1	84.1	85.8	91.1
25	IIMRQPMH 1707	94.7	107.1	99.6	95.2	97.1	87.9	92.0	96.3	89.9	74.6	92.8	88.5	89.9	86.6	91.7
26	IIMRQPMH 1708	94.7	113.2	105.1	91.0	98.3	88.0	97.3	98.1	91.7	75.5	97.0	73.0	88.7	88.2	94.4
27	IIMRQPMH 1709	96.6	110.1	105.1	91.3	99.7	89.1	96.3	98.5	90.8	75.7	99.1	81.1	88.7	88.7	94.0
28	IIMRQPMH 1710	96.9	116.5	99.8	99.9	99.2	90.6	97.8	99.9	90.6	74.8	101.0	119.5	90.9	89.5	94.7
29	IIMRQPMH 1711	96.3	111.2	104.2	93.6	98.8	91.3	99.3	99.5	89.7	75.3	102.6	83.9	90.8	89.4	95.6

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TABLE No. 16: (Contd.)		Days to 75% Dry Husk														
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
30	IIMRQPMH 1712	95.5	112.8	102.9	94.0	98.1	89.0	96.8	98.4	90.0	74.8	99.8	104.7	89.6	88.6	93.6
31	IIMRQPMH 1713	91.7	103.8	99.8	97.3	97.4	91.9	89.3	95.7	87.3	75.5	88.8	121.2	91.3	85.7	90.5
32	IMHQPM 1530	91.8	104.5	98.2	93.7	97.5	88.8	91.3	95.0	87.1	75.1	89.9	110.8	89.8	85.4	90.4
33	LQPMH 415	90.3	103.5	90.6	94.0	95.9	87.3	87.7	92.6	85.5	75.6	91.3	97.5	79.2	82.8	88.3
34	OPQMH 15-1	94.5	107.1	100.0	99.4	98.5	86.8	93.3	97.4	89.2	75.6	92.7	-5.8	89.3	86.6	93.0
35	OQPMH-14191	94.9	108.1	103.7	92.0	97.6	89.0	92.6	96.5	89.3	74.4	93.0	76.8	88.3	86.8	92.4
36	QPM MH 27	96.0	109.0	101.4	94.2	97.9	87.9	95.3	97.5	89.0	75.0	96.8	81.6	89.8	87.8	93.1
37	QPM MH 30	93.8	108.6	100.7	93.0	96.5	88.2	92.2	96.6	89.1	75.5	91.6	-9.4	84.7	85.2	91.9
38	VEQH-16-1	91.9	107.7	99.7	93.7	95.7	87.7	93.8	95.8	88.6	74.5	92.9	88.0	88.1	86.3	92.0
39	HQPM 1 (C)	96.2	109.6	103.0	99.5	98.8	90.3	99.9	99.4	92.5	76.3	101.7	479.4	90.1	90.0	95.3
40	HQPM 4 (C)	96.1	111.1	99.8	98.6	99.8	90.0	96.9	98.6	91.6	73.9	98.8	111.8	91.7	89.1	94.0
41	HQPM 5 (C)	96.0	112.0	101.8	94.9	98.5	91.5	94.7	98.4	92.1	75.5	97.5	107.4	90.7	89.2	94.5
42	HQPM 7 (C)	94.6	113.2	99.8	91.9	97.8	91.2	96.9	98.2	92.4	74.9	101.4	60.3	91.3	89.5	94.5
43	Vivek Hybrid-27-C	89.7	104.4	89.2	96.4	96.5	85.7	83.6	92.6	83.5	74.7	87.1	64.0	81.3	81.5	88.0
44	APQH-9-C	94.3	112.0	102.8	93.8	98.3	80.6	102.3	97.6	91.3	75.0	101.4	113.5	88.7	89.2	94.3
45	Vivek QPM 9 (C)	90.2	106.2	93.2	91.9	94.6	88.7	86.2	93.0	85.1	74.9	90.9	60.6	78.7	82.8	88.7
	Location Mean	93.6	107.9	100.2	94.1	97.4	88.9	93.2	96.5	89.0	74.9	94.3	94.8	87.4	86.4	92.0
	CV (%)	1.2	2.2	2.6	4.1	1.1	3.6	2.6	2.6	1.5	1.4	2.3	87.1	2.4	2.0	3.2
	F (Prob)	0.00	0.00	0.00	0.25	0.00	0.52	0.00	0.00	0.00	0.90	0.00	0.48	0.00	0.00	0.00
	CD (5%)	1.8	3.8	4.3	6.3	1.7	5.2	3.9	1.6	2.2	1.8	3.6	138.0	3.4	1.4	1.0
	CD (1%)	2.5	5.1	5.7	8.3	2.2	7.0	5.2	2.1	2.9	2.3	4.7	186.2	4.5	1.9	1.4

TABLE No. 16: (Contd.)

Plant Height(cm)

Sl. No.	Entry Name	Zone-I(NHZ)				Zone-II(NWPZ)					Zone-III(NEPZ)						
		Almora	Bajaura	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH-1	221.2	238.8	188.1	216.3	186.9	191.4	218.0	248.0	208.8	164.0	171.3	170.4	146.4	164.8	150.6	161.3
2	APH27	193.8	226.4	196.2	205.5	187.3	176.3	215.1	243.4	204.6	163.3	172.0	166.1	130.7	150.0	156.9	154.2
3	APQH-5	223.4	255.6	204.5	225.8	201.5	181.7	179.3	257.1	208.1	188.9	174.4	195.6	155.1	172.6	154.6	171.2
4	APQH-7	225.7	231.9	190.9	217.4	194.8	169.6	205.0	248.2	206.5	176.9	181.4	190.2	159.4	168.5	176.7	173.3
5	BQPMH 16	250.0	233.1	194.5	225.2	202.9	174.4	219.0	241.0	209.9	162.6	179.8	180.6	157.6	164.5	164.1	169.9
6	DQH 111	229.9	236.5	193.1	224.0	202.5	177.4	213.7	270.6	218.2	163.2	166.0	161.6	150.4	145.8	156.5	158.1
7	DQH 112	244.6	247.8	198.8	225.6	203.7	203.7	197.6	245.6	212.6	189.1	180.0	181.0	143.2	184.7	160.0	169.7
8	EHQ 64	213.3	253.1	205.3	229.6	199.4	187.6	221.8	266.6	219.5	80.0	183.9	176.5	154.1	172.9	166.9	171.5
9	FQH 106	199.7	197.4	187.3	197.6	176.7	179.6	202.4	209.1	192.9	128.1	172.7	146.2	116.6	150.0	142.5	144.8
10	IIMRQPMH 1508	251.0	272.3	214.4	245.8	200.6	166.5	217.6	276.6	213.5	92.4	179.6	180.1	165.8	173.9	149.0	168.7
11	IIMRQPMH 1601	202.5	221.6	189.3	204.0	186.5	173.8	205.5	227.3	199.1	173.1	186.7	158.5	122.7	140.0	134.9	146.1
12	IIMRQPMH 1602	236.0	226.6	198.7	216.4	186.6	161.4	227.0	240.2	204.5	176.4	178.1	160.9	138.5	163.7	149.3	157.7
13	IIMRQPMH 1603	224.1	233.8	190.1	215.5	188.9	190.8	212.2	253.1	210.9	167.4	177.5	169.7	134.3	157.5	161.9	159.7
14	IIMRQPMH 1605	208.9	227.0	198.9	212.0	190.6	170.5	220.6	243.2	206.9	162.1	173.3	163.5	140.1	149.1	157.1	154.8
15	IIMRQPMH 1606	219.2	236.4	190.2	213.1	199.1	185.8	240.5	229.4	210.2	165.3	173.2	163.4	138.4	146.6	141.6	153.8
16	IIMRQPMH 1608	232.3	251.6	184.9	218.8	199.8	196.0	198.5	251.0	210.8	173.8	183.6	163.8	143.3	156.1	150.0	161.0
17	IIMRQPMH 1609	239.0	232.6	192.5	222.5	202.8	168.7	201.0	258.9	205.6	210.0	180.9	164.0	141.9	165.3	146.5	159.6
18	IIMRQPMH 1610	211.1	243.2	191.8	211.9	177.6	198.1	200.8	246.7	204.5	155.5	173.0	152.8	135.7	149.5	153.2	152.4
19	IIMRQPMH 1701	242.8	246.0	199.2	225.6	196.0	191.0	212.3	251.7	212.6	169.1	175.5	174.5	157.0	162.1	147.8	163.7
20	IIMRQPMH 1702	223.3	223.8	193.2	211.4	186.8	191.3	192.2	236.3	203.3	218.0	190.7	176.1	128.7	160.1	143.3	158.9
21	IIMRQPMH 1703	203.1	228.1	187.7	204.7	184.0	171.8	216.4	216.8	193.1	155.4	169.2	153.1	123.6	141.9	137.9	143.3
22	IIMRQPMH 1704	201.3	230.0	193.3	211.3	177.8	174.6	215.3	210.5	194.6	154.6	168.1	147.2	145.6	151.6	142.0	150.7
23	IIMRQPMH 1705	255.8	239.4	195.8	228.4	191.2	178.5	212.6	251.2	206.5	191.9	180.6	170.3	139.3	164.6	153.3	162.0
24	IIMRQPMH 1706	218.8	236.3	189.9	215.7	189.0	182.6	219.4	234.4	206.8	154.8	176.9	162.4	134.8	168.5	146.5	159.3
25	IIMRQPMH 1707	239.1	246.1	194.0	225.5	194.7	187.4	234.1	251.4	215.2	213.0	180.0	163.7	152.3	161.3	152.2	162.2
26	IIMRQPMH 1708	217.0	246.1	208.4	227.6	185.7	157.0	229.4	245.8	208.1	166.8	176.6	187.0	154.8	155.9	156.3	167.3
27	IIMRQPMH 1709	253.4	244.3	186.2	226.6	199.7	171.9	197.7	244.5	206.0	169.3	187.7	181.0	139.7	161.1	138.1	161.7
28	IIMRQPMH 1710	228.1	259.0	203.9	229.8	189.0	183.7	218.4	251.7	210.3	225.5	180.5	180.5	155.8	170.1	149.9	167.0
29	IIMRQPMH 1711	240.4	261.5	204.0	234.5	213.5	200.0	205.6	252.6	217.7	82.2	174.5	174.7	143.4	170.9	159.4	164.2

TABLE No. 16: (Contd.)		Plant Height(cm)															
Sl. No.	Entry Name	Zone-I(NHZ)				Zone-II(NWPZ)					Zone-III(NEPZ)						
		Almora	Bajaura	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
30	IIMRQPMH 1712	251.0	251.1	194.3	233.8	189.9	178.0	216.8	230.9	204.6	59.8	184.1	170.6	134.1	154.8	155.7	160.7
31	IIMRQPMH 1713	238.3	224.4	199.8	219.4	201.6	189.5	207.1	223.4	204.5	217.5	180.8	158.3	144.0	144.7	133.6	152.6
32	IMHQPM 1530	236.5	232.8	198.2	223.9	196.6	169.5	183.8	226.6	192.0	610.6	181.2	168.4	127.1	156.9	145.2	155.2
33	LQPMH 415	192.4	197.0	191.1	195.6	181.4	187.2	206.2	212.5	196.7	142.6	167.1	133.6	123.0	160.9	129.0	143.6
34	OPQMH 15-1	221.2	248.4	196.4	223.2	203.7	188.1	214.8	266.2	218.4	214.6	182.8	177.5	145.3	163.4	164.7	166.5
35	OQPMH-14191	210.6	250.0	196.6	224.9	205.7	215.9	191.9	259.8	218.6	186.9	174.3	163.8	155.0	170.8	154.0	163.7
36	QPM MH 27	256.5	261.7	211.2	244.6	200.9	196.1	193.7	255.9	212.7	181.3	167.6	185.8	159.9	185.9	175.7	176.1
37	QPM MH 30	230.7	251.9	190.1	225.2	193.8	193.0	196.0	243.6	206.0	172.8	181.3	170.5	138.4	158.6	151.6	160.4
38	VEQH-16-1	248.9	240.7	194.9	228.5	198.9	182.7	207.8	247.2	212.0	166.7	175.4	161.1	146.6	151.8	154.1	157.6
39	HQPM 1 (C)	214.6	239.2	189.2	214.5	191.9	182.6	213.8	229.5	207.0	168.3	176.5	166.8	139.8	158.4	139.9	157.0
40	HQPM 4 (C)	241.6	247.0	200.9	232.8	193.8	191.6	217.4	259.5	218.0	200.2	185.7	169.1	171.8	178.1	174.7	176.8
41	HQPM 5 (C)	235.0	244.7	215.4	232.4	196.4	193.7	188.0	250.7	203.6	237.6	176.5	187.8	155.8	160.7	146.5	165.9
42	HQPM 7 (C)	253.3	256.2	201.4	237.2	180.5	181.1	203.2	259.1	205.8	211.7	169.0	172.9	159.8	162.7	159.2	164.1
43	Vivek Hybrid-27-C	200.0	209.8	191.0	198.4	192.4	192.9	233.8	207.8	205.5	161.7	176.5	154.9	127.2	152.2	127.9	147.2
44	APQH-9-C	244.8	237.6	187.6	221.5	200.2	178.7	201.0	235.9	204.6	148.8	180.6	168.1	137.2	159.4	134.9	156.9
45	Vivek QPM 9 (C)	232.6	224.7	190.6	213.9	194.2	178.5	189.2	234.6	198.6	160.4	181.5	158.4	140.7	153.7	143.2	153.8
	Location Mean	227.9	238.7	195.9	224.0	193.7	183.2	209.2	243.0	207.2	178.5	177.5	168.5	143.4	160.4	150.9	160.8
	CV (%)	8.2	4.3	2.7	6.2	6.2	10.8	8.0	5.8	7.7	66.2	4.3	7.4	5.8	5.7	5.6	5.8
	F (Prob)	0.01	0.00	0.00	1.00	0.31	0.71	0.06	0.00	1.00	0.58	0.21	0.00	0.00	0.00	0.00	1.00
	CD (5%)	30.6	16.9	8.9	14.2	19.5	32.3	27.3	23.2	13.4	192.8	12.3	20.2	13.6	15.0	14.1	7.4
	CD (1%)	40.7	22.4	12.0	18.8	25.9	42.9	36.3	30.8	17.7	256.2	16.4	26.9	18.0	19.9	19.1	9.7

TABLE No. 16: (Contd.)		Plant Height(cm)														
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH-1	164.3	212.7	208.3	147.7	214.9	231.0	252.2	201.0	241.2	149.3	152.1	153.5	151.4	169.7	189.5
2	APH27	165.9	202.4	214.0	153.0	189.2	171.2	250.7	191.7	244.0	146.2	158.9	163.9	144.8	168.7	182.9
3	APQH-5	173.4	227.2	226.8	178.7	214.3	204.7	266.3	217.4	271.3	162.9	171.3	148.9	177.1	187.1	201.0
4	APQH-7	195.9	224.3	225.5	176.5	206.2	201.9	237.6	208.8	257.0	163.8	189.9	152.4	178.0	186.7	197.6
5	BQPMH 16	189.8	208.5	216.5	161.4	204.0	176.0	251.7	202.1	238.3	158.7	186.0	162.1	174.6	183.9	195.8
6	DQH 111	176.2	208.0	223.3	158.8	205.1	186.2	248.7	201.0	252.6	138.1	168.3	147.5	175.9	176.4	192.8
7	DQH 112	188.0	227.1	223.3	160.3	218.6	194.1	258.7	209.7	268.1	123.2	175.2	153.2	189.5	182.5	198.2
8	EHQ 64	171.7	220.1	220.5	160.5	218.4	221.9	252.4	209.3	266.0	165.4	177.2	152.5	165.6	185.0	200.6
9	FQH 106	142.8	166.0	179.7	149.3	187.2	198.0	220.6	178.9	204.1	139.9	142.5	161.6	135.9	156.7	171.8
10	IIMRQPMH 1508	187.5	242.9	229.1	171.3	229.9	192.2	276.0	217.7	284.6	147.6	195.6	156.2	180.1	191.3	204.7
11	IIMRQPMH 1601	140.2	190.3	185.6	149.6	174.2	174.9	219.8	176.2	217.9	135.9	152.5	158.7	138.1	161.1	174.1
12	IIMRQPMH 1602	184.1	211.0	213.3	152.7	208.1	180.7	247.6	199.2	245.3	149.9	162.6	148.5	173.2	176.2	188.9
13	IIMRQPMH 1603	192.2	215.8	227.2	169.2	168.4	223.0	272.5	209.8	260.7	148.1	162.0	158.4	160.6	177.5	193.5
14	IIMRQPMH 1605	175.2	199.9	213.5	166.0	199.1	172.6	258.0	197.3	243.5	149.7	165.3	152.5	167.7	171.9	186.6
15	IIMRQPMH 1606	172.2	206.9	203.4	160.4	201.9	184.8	246.9	195.4	242.7	138.7	164.7	154.8	166.1	172.1	186.5
16	IIMRQPMH 1608	172.5	211.4	214.7	167.1	197.3	173.5	252.7	199.5	253.5	143.6	171.6	155.8	157.1	177.4	191.2
17	IIMRQPMH 1609	153.7	199.5	223.4	167.8	207.6	189.6	264.7	199.9	251.6	139.4	162.9	154.2	179.4	177.8	190.6
18	IIMRQPMH 1610	160.5	209.4	210.3	164.2	196.2	196.5	258.4	197.3	247.7	140.3	183.3	156.3	152.1	173.1	186.0
19	IIMRQPMH 1701	182.8	221.2	200.9	168.5	226.4	215.8	255.3	209.1	251.7	141.9	175.4	155.9	152.6	175.8	195.4
20	IIMRQPMH 1702	165.9	204.9	214.4	158.8	190.4	152.8	258.9	195.6	252.0	147.9	161.3	145.6	137.6	169.7	185.8
21	IIMRQPMH 1703	173.6	197.4	209.8	152.5	186.3	170.6	243.3	187.6	235.2	125.0	158.1	155.9	137.1	157.4	175.0
22	IIMRQPMH 1704	170.9	201.2	200.9	142.4	208.6	176.4	245.6	190.3	233.1	144.8	156.6	153.0	163.2	170.6	181.4
23	IIMRQPMH 1705	187.6	205.2	216.6	167.9	207.5	227.9	244.2	204.9	254.3	146.0	177.1	154.8	167.9	179.2	193.9
24	IIMRQPMH 1706	170.7	207.4	203.5	158.1	229.1	187.5	253.4	202.3	249.9	152.9	177.5	158.6	145.7	178.4	190.8
25	IIMRQPMH 1707	162.8	207.4	221.2	159.0	227.3	177.5	256.5	200.3	261.8	147.1	166.2	150.2	166.1	178.8	193.5
26	IIMRQPMH 1708	186.7	227.5	224.3	172.9	210.5	227.5	258.9	217.3	249.2	145.2	179.6	152.2	179.1	181.8	199.3
27	IIMRQPMH 1709	189.6	208.3	210.7	158.9	198.8	173.1	251.8	201.0	246.4	145.2	173.7	148.5	160.4	176.4	191.8
28	IIMRQPMH 1710	194.6	225.2	218.7	169.5	218.6	210.5	263.1	218.6	261.0	143.5	187.8	151.2	171.2	185.2	200.7
29	IIMRQPMH 1711	199.1	219.0	220.9	180.5	221.3	186.1	262.4	212.5	261.2	149.9	196.8	159.0	158.8	185.9	200.5

TABLE No. 16: (Contd.)		Plant Height(cm)														
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
30	IIMRQPMH 1712	188.5	221.9	223.4	168.2	222.9	180.3	256.6	210.4	271.0	146.8	168.8	155.2	175.3	183.4	196.3
31	IIMRQPMH 1713	162.4	202.1	202.2	153.3	161.9	199.0	240.7	190.5	243.4	135.7	152.8	121.9	144.2	160.4	182.2
32	IMHQPM 1530	163.8	211.0	206.1	167.1	270.1	154.9	249.3	205.2	245.1	147.2	162.3	148.5	171.9	177.3	188.9
33	LQPMH 415	145.3	172.2	182.5	134.5	180.4	159.8	217.1	173.2	216.6	141.3	130.9	152.7	143.1	158.6	170.6
34	OPQMH 15-1	192.0	203.7	214.6	158.4	224.7	206.5	278.1	211.2	257.5	131.3	169.0	150.4	158.5	176.0	197.3
35	OQPMH-14191	183.7	242.8	232.1	182.1	219.1	215.1	263.4	216.3	267.2	150.4	191.5	153.0	176.2	185.3	200.4
36	QPM MH 27	195.6	213.9	223.3	181.7	223.0	138.9	264.2	203.9	270.0	151.4	186.3	154.2	180.2	187.4	201.4
37	QPM MH 30	168.2	199.7	216.0	158.1	216.9	184.0	224.4	194.5	253.0	144.2	157.0	149.1	168.9	174.7	189.0
38	VEQH-16-1	179.7	193.8	219.7	158.0	189.8	171.1	260.1	196.8	241.1	134.0	169.5	152.2	156.4	171.2	189.9
39	HQPM 1 (C)	181.6	205.5	218.9	153.4	221.4	166.9	264.7	204.6	248.5	132.6	154.2	158.3	157.0	172.9	189.8
40	HQPM 4 (C)	212.3	231.3	242.3	200.0	210.0	229.3	269.1	227.4	277.5	148.5	207.2	148.2	176.0	191.5	208.6
41	HQPM 5 (C)	193.5	235.7	236.2	170.1	218.3	233.8	279.9	222.5	246.5	141.2	186.2	144.5	154.7	174.9	198.8
42	HQPM 7 (C)	187.5	207.1	234.8	173.3	220.2	199.9	267.3	211.6	273.0	155.6	176.3	162.0	176.4	189.0	199.3
43	Vivek Hybrid-27-C	140.2	182.7	184.5	153.9	175.1	211.9	222.6	180.5	239.3	142.5	150.8	154.9	139.7	163.7	176.4
44	APQH-9-C	185.2	203.8	215.9	167.1	202.5	183.9	251.8	203.4	251.9	150.3	179.4	164.4	167.1	184.4	192.2
45	Vivek QPM 9 (C)	171.6	202.9	195.9	150.0	197.3	213.7	252.8	196.3	236.2	148.1	164.9	157.1	145.7	169.9	184.5
	Location Mean	176.5	209.7	214.4	163.0	207.1	191.7	253.1	202.2	250.7	145.1	170.2	153.4	162.2	178.0	192.3
	CV (%)	7.6	5.2	3.8	5.3	12.3	18.3	5.0	9.2	3.4	9.5	6.2	5.8	7.7	6.3	7.7
	F (Prob)	0.00	0.00	0.00	0.00	0.18	0.39	0.00	1.00	0.00	0.49	0.00	0.71	0.00	1.00	1.00
	CD (5%)	21.8	17.6	13.3	14.0	41.6	57.1	20.8	11.6	13.7	22.5	17.1	14.9	20.5	8.7	5.1
	CD (1%)	29.0	23.4	17.7	18.5	55.3	75.9	27.6	15.2	18.3	29.9	22.7	20.1	27.2	11.5	6.7

TABLE No. 16: (Contd.)

Ear Height(cm)

Sl. No.	Entry Name	Zone-I(NHZ)				Zone-II(NWPZ)					Zone-III(NEPZ)						
		Almora	Bajaura	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH-1	116.0	135.0	90.6	113.2	99.8	102.8	110.4	108.9	105.8	76.3	80.4	86.3	53.5	83.4	78.2	75.6
2	APH27	94.8	114.0	96.3	100.6	96.0	81.9	115.2	95.7	96.6	77.3	77.7	77.7	49.3	75.1	67.7	71.4
3	APQH-5	109.0	152.2	103.0	119.7	108.5	86.2	85.4	110.6	99.2	70.8	80.6	97.9	65.0	87.1	79.3	79.6
4	APQH-7	104.8	113.7	92.9	105.1	100.1	92.2	110.4	105.8	102.5	65.2	85.7	88.9	58.4	86.5	82.0	77.7
5	BQPMH 16	122.2	130.4	97.0	118.2	104.9	82.1	105.9	106.3	100.8	65.1	84.4	89.3	65.1	85.9	83.7	78.6
6	DQH 111	124.2	128.5	96.5	120.9	108.2	84.2	112.7	111.9	106.3	67.8	79.3	78.0	59.0	69.4	69.7	71.8
7	DQH 112	121.7	139.1	97.5	115.0	100.3	109.9	103.1	102.9	104.4	96.0	81.1	85.7	57.1	90.7	75.3	79.8
8	EHQ 64	108.2	132.3	103.2	118.9	106.5	89.9	116.1	104.0	106.6	72.8	89.2	75.7	59.0	81.5	80.6	77.5
9	FQH 106	96.6	88.1	90.8	92.9	72.8	82.4	97.0	67.7	83.1	51.0	79.5	60.6	45.3	58.9	64.1	59.6
10	IIMRQPMH 1508	126.8	152.4	105.5	129.1	107.4	96.3	107.0	116.8	106.8	86.4	83.0	86.1	68.5	98.3	75.6	83.2
11	IIMRQPMH 1601	93.9	115.2	91.9	98.0	92.6	78.9	109.7	93.8	93.1	75.1	82.3	77.3	51.8	64.4	66.5	67.2
12	IIMRQPMH 1602	114.6	128.3	96.7	109.8	95.9	79.7	125.0	105.2	101.1	69.7	79.0	82.0	49.4	78.9	73.7	71.6
13	IIMRQPMH 1603	105.1	122.6	93.5	104.2	86.1	93.2	106.6	98.5	95.0	73.4	77.2	74.6	43.1	67.5	72.6	68.0
14	IIMRQPMH 1605	91.8	117.0	96.1	101.3	95.9	84.6	124.9	94.1	99.0	60.7	82.7	71.8	48.0	68.9	66.7	66.2
15	IIMRQPMH 1606	107.2	132.0	90.6	110.4	100.7	86.2	123.4	87.6	97.1	63.8	76.9	66.4	53.7	65.4	67.3	66.9
16	IIMRQPMH 1608	103.4	132.0	92.6	106.7	96.6	96.1	102.1	104.7	99.1	66.4	86.0	74.6	53.7	70.0	67.6	69.7
17	IIMRQPMH 1609	117.2	130.2	90.3	112.3	109.1	101.0	90.6	109.2	99.5	63.0	82.3	78.2	53.8	78.0	62.2	70.2
18	IIMRQPMH 1610	100.4	131.6	92.7	104.8	91.7	99.1	103.2	97.1	94.8	60.5	81.8	75.3	46.9	66.2	69.8	68.1
19	IIMRQPMH 1701	113.3	145.7	98.1	115.7	104.1	95.3	107.9	104.8	103.1	78.8	80.9	93.9	63.2	72.7	79.5	76.9
20	IIMRQPMH 1702	88.2	106.0	94.3	95.2	94.6	89.5	101.7	90.3	94.6	61.6	85.3	74.0	43.0	60.6	64.0	64.5
21	IIMRQPMH 1703	102.3	122.1	94.0	104.7	94.0	79.2	113.0	88.4	93.3	82.7	75.1	72.1	52.5	63.3	66.3	68.8
22	IIMRQPMH 1704	106.4	127.0	93.5	111.1	88.0	84.1	117.9	87.9	94.8	65.8	76.1	61.1	56.9	71.7	64.7	65.1
23	IIMRQPMH 1705	129.9	121.5	94.7	113.9	93.8	89.2	99.7	103.5	95.3	78.2	83.4	90.3	59.2	89.1	73.2	79.2
24	IIMRQPMH 1706	112.3	126.6	85.6	108.0	95.7	91.6	109.5	91.4	97.1	60.0	81.6	66.3	50.9	75.9	63.6	66.9
25	IIMRQPMH 1707	112.2	140.5	94.7	116.3	101.4	112.4	125.6	110.7	109.1	67.8	81.9	84.0	66.2	78.6	78.2	76.4
26	IIMRQPMH 1708	102.0	133.1	106.4	117.7	102.5	82.5	118.0	101.1	104.9	72.5	84.6	88.4	60.2	72.4	74.5	77.0
27	IIMRQPMH 1709	124.1	140.5	89.9	117.7	104.6	97.4	97.5	96.8	100.5	72.8	82.9	84.5	59.4	79.1	60.3	72.7
28	IIMRQPMH 1710	107.7	156.4	100.8	121.3	96.8	79.2	116.3	98.9	97.8	84.0	85.7	90.2	67.1	84.0	74.9	80.0
29	IIMRQPMH 1711	123.3	161.8	102.2	126.8	109.2	99.9	103.1	97.0	100.1	70.6	80.1	85.2	59.1	88.4	72.8	75.7

TABLE No. 16: (Contd.)		Ear Height(cm)															
Sl. No.	Entry Name	Zone-I(NHZ)				Zone-II(NWPZ)					Zone-III(NEPZ)						
		Almora	Bajaura	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2	Baharaich	Bhubaneswar	Dholi	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IIMRQPMH 1712	124.2	150.2	96.5	126.2	106.6	95.1	121.7	96.8	105.1	84.2	84.9	93.4	57.8	87.1	74.5	81.2
31	IIMRQPMH 1713	111.0	120.5	96.3	108.9	110.0	91.0	96.3	84.3	93.5	69.1	80.0	70.0	58.5	67.0	64.7	69.8
32	IMHQPM 1530	109.5	122.4	95.8	111.6	105.1	101.7	92.8	82.5	92.5	52.1	84.7	80.3	46.9	78.3	71.9	70.3
33	LQPMH 415	97.4	116.7	94.7	103.3	93.3	76.4	111.5	90.1	94.8	83.3	75.2	75.7	50.0	81.4	67.3	71.5
34	OPQMH 15-1	123.7	146.6	97.8	123.2	107.8	94.6	107.4	110.9	104.1	75.3	85.9	90.0	56.3	76.1	94.9	79.6
35	OQPMH-14191	102.2	131.4	96.9	116.3	106.1	91.5	88.1	105.9	102.2	99.5	84.2	82.7	62.7	88.7	70.6	80.8
36	QPM MH 27	129.7	137.0	104.6	125.6	102.4	102.0	98.4	106.6	102.1	98.6	77.3	94.6	66.6	94.2	86.6	86.3
37	QPM MH 30	124.6	140.1	95.3	120.7	107.8	85.2	96.6	100.0	97.8	68.0	83.3	81.8	53.0	75.9	76.6	74.7
38	VEQH-16-1	123.8	114.3	97.5	111.9	103.2	90.9	115.3	98.3	103.6	65.5	74.5	80.0	53.2	68.4	75.9	68.5
39	HQPM 1 (C)	98.2	130.6	91.4	104.8	93.9	86.4	113.3	83.0	96.1	81.3	80.6	82.2	48.5	79.7	66.4	72.6
40	HQPM 4 (C)	121.1	137.2	94.1	121.2	98.9	95.0	102.7	116.7	107.3	87.5	85.6	114.3	67.4	95.5	92.0	89.8
41	HQPM 5 (C)	126.2	138.9	105.7	126.2	116.2	101.8	94.1	106.1	103.6	90.6	83.1	91.9	63.2	76.7	70.7	80.3
42	HQPM 7 (C)	119.8	143.4	99.0	120.6	95.8	105.1	108.4	107.1	101.4	58.6	79.5	84.3	57.1	78.3	68.9	72.1
43	Vivek Hybrid-27-C	92.6	114.1	94.1	100.2	106.5	97.9	127.4	88.2	102.0	61.3	80.6	67.4	45.7	70.2	58.8	64.4
44	APQH-9-C	121.2	127.7	91.6	110.6	105.2	85.1	108.7	91.8	96.7	57.0	82.4	76.2	50.1	82.7	70.1	69.4
45	Vivek QPM 9 (C)	116.9	120.6	92.3	107.2	99.2	78.4	80.3	91.2	89.6	79.6	89.0	68.0	55.4	70.7	58.7	67.9
	Location Mean	111.6	130.4	95.9	114.7	100.4	91.2	107.2	98.9	99.4	72.6	81.7	81.1	55.8	77.4	72.1	73.5
	CV (%)	15.9	7.6	3.7	11.0	9.4	16.7	14.6	8.2	12.6	15.1	6.8	10.0	8.6	11.3	10.2	10.7
	F (Prob)	0.60	0.00	0.00	1.00	0.07	0.83	0.26	0.00	1.00	0.00	0.54	0.00	0.00	0.00	0.04	1.00
	CD (5%)	29.0	16.1	5.9	12.7	15.5	24.8	25.5	13.2	10.4	17.9	9.1	13.2	7.8	14.3	12.2	5.4
	CD (1%)	38.5	21.4	7.9	16.8	20.5	33.0	33.8	17.5	13.7	23.7	12.0	17.6	10.4	18.9	16.5	7.2

TABLE No. 16: (Contd.)

Ear Height(cm)

Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	APH-1	82.2	111.1	86.6	69.2	109.8	104.4	133.8	98.9	86.4	63.2	74.6	54.2	62.0	70.0	90.2
2	APH27	81.2	92.6	80.1	65.4	84.7	106.0	127.7	90.2	81.3	51.2	63.9	64.4	69.0	64.8	82.7
3	APQH-5	85.1	114.9	92.4	84.1	110.7	124.1	150.7	109.3	105.8	76.2	78.7	47.0	73.8	76.3	95.4
4	APQH-7	96.0	112.0	91.5	82.6	95.4	125.0	134.2	105.4	86.0	77.2	80.8	53.6	75.7	73.3	91.8
5	BQPMH 16	86.3	112.8	94.7	72.5	108.6	118.3	136.5	104.7	91.8	63.7	74.8	59.5	82.5	76.0	93.6
6	DQH 111	91.9	100.3	86.2	70.2	84.9	114.4	140.3	98.8	89.4	60.7	78.5	46.8	67.8	70.1	90.2
7	DQH 112	86.8	122.8	95.8	72.7	119.9	126.3	139.5	108.5	98.0	59.6	63.6	52.1	78.5	72.2	94.5
8	EHQ 64	82.3	98.8	83.4	71.6	91.4	105.7	130.5	94.9	88.8	69.1	69.0	51.9	76.0	72.7	90.8
9	FQH 106	64.4	63.6	57.4	54.6	80.4	70.5	112.2	72.7	70.6	56.6	44.5	64.1	43.8	55.8	70.4
10	IIMRQPMH 1508	99.9	123.5	106.8	80.3	118.6	122.6	139.9	113.1	105.8	63.7	93.2	62.3	72.4	77.7	99.8
11	IIMRQPMH 1601	65.5	89.3	63.7	59.4	83.3	100.3	109.6	82.1	77.0	50.3	63.7	59.0	59.3	60.3	78.1
12	IIMRQPMH 1602	91.3	103.9	93.4	67.5	98.8	114.3	141.2	101.2	90.9	62.8	71.7	48.1	77.7	69.4	88.9
13	IIMRQPMH 1603	85.0	106.5	83.3	75.0	98.6	108.7	130.2	97.7	94.5	53.5	66.7	59.3	71.9	67.6	84.9
14	IIMRQPMH 1605	79.2	90.3	71.0	69.9	84.0	111.7	124.2	89.6	84.9	57.1	73.1	53.6	63.1	61.8	81.4
15	IIMRQPMH 1606	83.7	99.2	76.0	67.8	91.4	100.4	129.2	92.2	87.4	64.1	60.6	54.9	64.0	66.5	83.9
16	IIMRQPMH 1608	74.4	97.6	75.0	67.0	92.6	96.0	124.7	89.7	80.9	55.7	66.8	53.9	61.1	66.1	83.7
17	IIMRQPMH 1609	81.2	89.4	82.5	72.4	102.8	109.6	133.6	95.4	86.7	49.5	65.0	51.3	70.2	65.9	86.1
18	IIMRQPMH 1610	81.8	103.1	76.8	71.4	97.5	117.1	122.8	95.3	88.2	60.7	71.2	56.2	64.0	64.6	83.8
19	IIMRQPMH 1701	91.6	112.8	78.4	77.0	112.6	124.4	137.9	104.9	92.8	54.9	85.3	55.9	63.9	71.1	92.6
20	IIMRQPMH 1702	70.1	88.2	59.2	63.5	70.6	87.4	133.7	81.6	83.4	55.1	56.9	50.5	50.4	59.2	76.7
21	IIMRQPMH 1703	86.1	99.4	88.3	69.9	93.9	101.0	131.9	94.4	91.5	55.8	66.4	58.2	58.0	61.4	82.7
22	IIMRQPMH 1704	81.7	97.1	76.4	62.4	96.7	96.5	117.6	90.2	84.1	50.6	64.7	56.7	56.9	62.8	81.9
23	IIMRQPMH 1705	87.8	104.6	81.2	78.5	94.7	112.7	127.3	96.6	96.5	62.3	73.6	49.3	68.2	70.0	88.8
24	IIMRQPMH 1706	72.0	97.6	70.2	68.1	122.9	106.7	136.2	96.4	85.5	48.4	67.7	52.5	54.3	65.2	84.5
25	IIMRQPMH 1707	76.5	108.2	89.9	67.9	108.1	114.5	142.4	100.8	95.1	53.7	76.3	50.8	65.1	67.9	91.5
26	IIMRQPMH 1708	93.3	114.0	94.9	81.8	115.4	118.5	147.2	110.5	94.1	59.7	66.1	50.5	76.2	71.4	94.5
27	IIMRQPMH 1709	89.6	107.4	73.4	65.5	103.2	109.3	136.0	98.3	89.6	66.6	70.2	48.4	59.2	68.3	88.8
28	IIMRQPMH 1710	88.7	119.3	97.1	79.9	127.3	115.6	138.8	110.5	99.6	66.9	75.0	55.4	78.8	75.5	95.6
29	IIMRQPMH 1711	105.3	115.2	91.9	85.3	103.6	112.5	150.5	109.1	99.0	53.3	95.9	58.7	72.2	75.2	95.1

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TABLE No. 16: (Contd.)		Ear Height(cm)														
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IIMRQPMH 1712	95.0	118.1	101.4	80.9	124.2	132.8	146.4	114.2	104.8	73.0	85.7	50.6	85.2	80.3	99.3
31	IIMRQPMH 1713	73.0	98.5	79.9	64.6	89.7	106.8	124.2	90.9	85.9	63.7	63.3	45.9	63.6	65.0	83.2
32	IMHQPM 1530	71.8	99.8	72.9	71.8	85.5	95.4	121.8	88.3	80.7	56.1	71.5	56.9	73.6	67.8	83.3
33	LQPMH 415	80.2	86.2	66.8	58.0	90.9	89.4	115.2	84.9	78.0	48.1	61.8	52.5	50.4	60.7	80.8
34	OPQMH 15-1	96.4	99.0	86.1	71.0	97.4	108.9	135.5	99.4	96.0	50.0	84.8	51.4	72.8	71.3	92.6
35	OQPMH-14191	80.9	126.0	103.4	87.1	105.5	119.3	146.2	109.8	95.7	61.1	78.4	57.2	67.4	71.3	94.5
36	QPM MH 27	100.1	108.5	84.8	83.3	115.4	123.8	138.7	107.8	101.8	65.5	85.9	53.5	79.0	75.5	97.4
37	QPM MH 30	82.3	107.7	88.4	71.9	116.8	94.2	138.6	99.8	91.2	70.4	73.4	46.0	75.6	71.0	90.1
38	VEQH-16-1	83.2	87.6	75.3	68.9	78.3	95.3	134.2	89.0	87.4	48.9	69.9	52.0	62.5	63.2	84.1
39	HQPM 1 (C)	80.0	97.4	82.4	68.2	98.1	110.9	134.2	96.3	88.2	53.2	49.2	57.4	66.6	64.6	85.3
40	HQPM 4 (C)	112.3	130.4	111.3	98.3	105.5	131.0	143.6	119.4	103.6	69.3	90.4	52.1	71.0	78.3	102.3
41	HQPM 5 (C)	97.8	121.9	94.7	81.0	115.6	120.3	154.7	111.7	97.0	73.7	85.4	51.3	65.6	74.0	96.9
42	HQPM 7 (C)	93.8	99.7	96.9	75.8	106.3	125.7	145.9	106.6	95.6	66.6	77.1	61.3	71.4	73.3	92.6
43	Vivek Hybrid-27-C	56.4	96.9	69.5	67.0	79.3	98.3	126.7	85.4	81.8	67.9	71.8	56.2	51.3	63.9	80.6
44	APQH-9-C	84.7	95.9	76.1	73.6	102.5	109.3	128.2	95.9	91.4	56.7	69.9	54.8	76.1	72.0	86.7
45	Vivek QPM 9 (C)	77.5	86.5	68.0	60.3	98.8	90.1	124.3	86.1	79.2	59.7	65.3	58.7	50.5	62.2	80.2
	Location Mean	84.6	103.5	83.4	72.3	100.3	109.5	133.7	98.2	90.3	60.1	72.0	54.1	67.1	69.8	88.9
	CV (%)	9.3	8.6	6.4	8.3	14.6	5.8	8.3	9.3	6.1	18.8	12.5	13.4	16.4	13.4	11.3
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	0.00	0.34	0.00	0.97	0.03	1.00	1.00
	CD (5%)	12.8	14.5	8.8	9.8	23.9	10.4	18.2	5.9	9.0	18.4	14.6	12.1	18.0	7.2	3.4
	CD (1%)	17.0	19.2	11.7	13.0	31.8	13.8	24.1	7.7	12.0	24.5	19.5	16.3	23.9	9.4	4.5

TABLE No. 17: Trial BC-I-II-III																							
Green Ear Weight(kg/ha)																							
Sl. No.	Entry Name	Trial No.	Zone**	NHZ										NWPZ									
				Bajaura		Barapani		Imphal		Kangra		Zone1		Delhi		Karnal		Ludhiana		Pantnagar		Zone2	
				Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	AH-7043	BC II	I,III,IV	4439	8	2311	6	1719	9	2365	7	2709	8	5530	7	10061	7	2125	9	6528	6	5905	7
2	AHB 6005	BCI	All	3722	11	67	11	1780	8	1799	11	1842	11	2828	11	8775	11	1306	11	6178	7	4303	11
3	DMRHB 1305	BCIII	I,II,IV	5077	4	3188	2	1632	10	2593	5	3123	4	5660	6	9529	9	2281	5	5608	9	5823	9
4	GAYMH-1	BCIII	I,III,IV,V	4575	7	2091	7	2096	1	2132	9	2724	7	5132	9	11112	5	2188	8	5381	10	6144	6
5	IMHB 1529	BCIII	I,II,III,IV	5372	2	2623	4	1419	11	3457	3	3218	3	5790	5	10674	6	2302	4	8750	2	6255	5
6	IMHB 1532	BCIII	I,II,III,IV,V	5176	3	2484	5	2096	1	2683	4	3110	5	6165	3	11183	4	2743	2	6625	5	6697	4
7	IMHB 1538	BCIII	I,III,IV	4988	6	1641	9	1910	5	2250	8	2697	9	5524	8	9464	10	2590	3	7117	3	5859	8
8	IMHB 1539	BCIII	I	5074	5	3776	1	1901	6	3603	2	3588	2	5988	4	11939	3	2198	7	5958	8	6708	3
9	MBC 11-15	BCIII	IV	3992	10	1622	10	1927	4	2039	10	2395	10	4740	10	10053	8	2076	10	4622	11	5623	10
10	PAC 321	BCI	All	7880	1	1954	8	1866	7	5371	1	4268	1	6615	1	12141	2	2955	1	16117	1	7237	1
11	HM 4 (C)	BC		4354	9	2974	3	2010	3	2425	6	2941	6	6224	2	12145	1	2250	6	6783	4	6873	2
	Location Mean			4968	.	2248	.	1851	.	2792	.	2695	.	5472	.	10643	.	2274	.	7242	.	6130	.
	CV (%)			13.3	.	29.0	.	14.5	.	19.7	.	18.7	.	10.0	.	18.2	.	20.0	.	29.2	.	16	.
	F (Prob)			0.00	.	0.00	.	0.14	.	0.00	.	0.00	.	0.00	.	0.42	.	0.03	.	0.00	.	0	.
	CD (5%)			1128	.	1109	.	456	.	1000	.	481	.	934	.	3293	.	776	.	3606	.	1667	.
	CD (1%)			1539	.	1513	.	622	.	1422	.	638	.	1274	.	4492	.	1058	.	4918	.	2275	.
Note: **In rest of the zones, the test entry replaced with filler to constitute uniform trials across country Locations with CV above 25% in Zone 2,3,4 and above 30% in Zone 1 and 5 have been excluded from Zonal Mean																							

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TABLE No. 17: Trial BC-I-II-III (Contd.)		Green Ear Weight(kg/ha)																																	
Sl. No.	Entry Name	Trial No.	Zone**	NEPZ																PZ															
				Bhubaneswar		Dholi		Kalyani		Ranchi		Sabour		Varanasi		Zone3		Coimbatore		Dharwad		Hyderabad		Karimnagar		Kolhapur		Mandya		Rahuri		Zone4			
				Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R				
1	AH-7043	BC II	I,III,IV	2722	8	4528	6	10302	4	3413	10	4502	8	5035	6	5235	8	8080	3	5197	5	4726	3	2177	7	6117	7	4128	5	11215	1	5949	3		
2	AHB 6005	BCI	All	2367	10	4139	9	2227	11	1447	11	1270	11	631	11	1828	11	1859	11	3439	8	2169	11	1727	9	4128	11	3459	9	4573	11	3051	11		
3	DMRHB 1305	BCIII	I,II,IV	3873	2	4806	5	12395	2	5514	1	7565	1	10136	2	7337	1	7460	6	6781	1	3236	8	3155	2	5733	9	4656	2	10410	5	5919	4		
4	GAYMH-1	BCIII	I,III,IV,V	3115	4	4444	8	8406	9	4285	6	6048	2	5772	5	5464	5	8707	2	4990	6	3479	7	1720	10	7978	2	3935	6	9660	7	5781	6		
5	IMHB 1529	BCIII	I,II,III,IV	2729	7	3389	11	10446	3	5003	3	5466	6	8922	3	5911	3	8026	4	6036	3	4496	4	3051	3	6133	6	3851	8	11054	2	6092	2		
6	IMHB 1532	BCIII	I,II,III,IV,V	2319	11	4972	4	9051	7	4565	5	5613	5	4928	7	5387	6	7756	5	3991	7	3842	5	2254	5	7443	3	4321	3	10388	6	5713	7		
7	IMHB 1538	BCIII	I,III,IV	2942	6	3861	10	8514	8	4668	4	5739	4	6492	4	5466	4	7372	8	5348	4	4968	2	2891	4	5630	10	3910	7	10664	3	5826	5		
8	IMHB 1539	BCIII	I	2692	9	4472	7	9133	6	3672	8	3759	10	4757	9	4814	9	6517	10	2254	11	3558	6	2190	6	6382	4	4257	4	7549	9	4672	9		
9	MBC 11-15	BCIII	IV	3238	3	5528	2	5469	10	3453	9	4214	9	3932	10	4093	10	6992	9	3233	9	2788	10	1659	11	6358	5	3074	11	6447	10	4365	10		
10	PAC 321	BCI	All	3976	1	5250	3	13333	1	5387	2	5864	3	10710	1	7140	2	9553	1	6268	2	6496	1	3320	1	11061	1	7587	1	10593	4	7840	1		
11	HM 4 (C)	BC		3086	5	6639	1	9246	5	3715	7	5289	7	4815	8	5334	7	7387	7	2838	10	3206	9	1727	8	6028	8	3448	10	8532	8	4738	8		
	Location Mean			3005	.	4730	.	8957	.	4162	.	5030	.	6012	.	5288	.	7246	.	4579	.	3906	.	2352	.	6636	.	4239	.	9189	.	5450	.		
	CV (%)			16.9	.	29.1	.	13.8	.	23.5	.	18.2	.	14.3	.	18	.	16.8	.	16.5	.	17.7	.	24.2	.	15.8	.	15.7	.	17.0	.	18	.		
	F (Prob)			0.01	.	0.34	.	0.00	.	0.01	.	0.00	.	0.00	.	0	.	0.00	.	0.00	.	0.00	.	0.01	.	0.00	.	0.00	.	0.00	.	0	.		
	CD (5%)			867	.	2344	.	2110	.	1668	.	1557	.	1463	.	1550	.	2072	.	1290	.	1178	.	971	.	1788	.	1134	.	2657	.	1584	.		
	CD (1%)			1183	.	3197	.	2878	.	2280	.	2123	.	1995	.	2116	.	2826	.	1759	.	1607	.	1324	.	2439	.	1547	.	3625	.	2161	.		

TABLE No. 17: Trial BC-I-II-III (Contd.)															
Green Ear Weight(kg/ha)															
Sl. No.	Entry Name	Trial No.	Zone**	CWZ										All India	
				Ambikapur		Chindwara		Godhra		Udaipur		Zone5		Mean	R
				Mean	R	Mean	R	Mean	R	Mean	R	Mean	R		
1	AH-7043	BC II	I,III,IV	9993	3	13222	3	3641	4	2280	7	7284	3	5416	4
2	AHB 6005	BCI	All	5125	11	6097	11	2368	11	2438	6	4007	11	3006	11
3	DMRHB 1305	BCIII	I,II,IV	13958	1	13736	2	6005	1	4370	2	9517	2	6344	2
4	GAYMH-1	BCIII	I,III,IV,V	9757	5	10458	6	3094	10	2703	3	6503	5	5323	6
5	IMHB 1529	BCIII	I,II,III,IV	9990	4	11111	4	3305	7	2530	5	6734	4	5642	3
6	IMHB 1532	BCIII	I,II,III,IV,V	7785	9	10208	8	4249	3	1873	10	6029	7	5387	5
7	IMHB 1538	BCIII	I,III,IV	9344	6	10458	7	3455	6	2606	4	6466	6	5263	7
8	IMHB 1539	BCIII	I	8403	7	9181	9	3573	5	1780	11	5734	9	5103	9
9	MBC 11-15	BCIII	IV	7830	8	7569	10	3182	8	2003	9	5146	10	4324	10
10	PAC 321	BCI	All	13299	2	16903	1	5378	2	4698	1	10069	1	7311	1
11	HM 4 (C)	BC		7347	10	10542	5	3160	9	2132	8	5795	8	5136	8
	Location Mean			9348	.	10862	.	3765	.	2674	.	6662	.	5245	.
	CV (%)			18.3	.	10.0	.	27.4	.	26.6	.	17.9	.	18	.
	F (Prob)			0.00	.	0.00	.	0.01	.	0.00	.	0.00	.	0	.
	CD (5%)			2917	.	1858	.	1758	.	1211	.	969	.	1250	.
	CD (1%)			3979	.	2534	.	2398	.	1652	.	1285	.	1695	.

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TABLE No. 17: (Contd.)

Baby Corn Weight(kg/ha)

Sl. No.	Entry Name	NHZ										NWPZ										NEPZ													
		Bajaura		Barapani		Imphal		Kangra		Zone1		Delhi		Karnal		Ludhiana		Pantnagar		Zone2		Bhubaneswar		Dholi		Kalyani		Ranchi		Sabour		Varanasi		Zone3	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R		
1	AH-7043	1304	4	1623	2	608	7	1382	7	1098	7	1818	2	2788	7	681	7	2089	3	1844	4	639	9	1750	6	3486	1	136	2	1588	2	1563	5	1819	4
2	AHB 6005	751	11	264	11	577	10	1244	9	857	11	764	11	2323	10	417	11	1418	11	1230	11	605	11	1722	7	618	11	92	10	339	11	175	11	434	11
3	DMRHB 1305	1222	6	1595	3	595	8	1494	5	1104	6	1538	7	2962	6	726	6	1439	10	1666	8	1127	1	1639	8	3136	3	92	9	1161	7	1993	4	1854	3
4	GAYMH-1	1019	9	1334	7	664	4	1236	10	973	10	1328	10	3281	2	649	9	1708	7	1742	5	827	5	1611	9	2474	7	70	11	1378	5	1551	6	1558	6
5	IMHB 1529	1321	3	1361	6	495	11	1675	3	1163	5	1372	9	2783	8	788	3	2017	4	1740	6	699	7	1194	11	2581	5	119	5	1176	6	2325	1	1695	5
6	IMHB 1532	1399	2	1058	8	668	3	1565	4	1211	2	1884	1	3229	3	858	2	1989	5	1990	2	611	10	2417	2	2462	8	131	3	1392	3	1271	10	1434	8
7	IMHB 1538	1500	1	958	9	616	6	1456	6	1191	3	1519	8	2083	11	740	5	2210	2	1638	10	1072	3	1250	10	2762	4	128	4	1704	1	2059	3	1899	1
8	IMHB 1539	1268	5	1982	1	634	5	1769	2	1224	1	1615	6	2997	5	681	7	1639	8	1733	7	786	6	2000	4	2107	9	97	8	785	10	1528	7	1301	9
9	MBC 11-15	1158	8	1417	4	681	2	1171	11	1003	8	1745	5	2778	9	622	10	1469	9	1653	9	927	4	3778	1	1725	10	103	7	1070	8	1274	9	1249	10
10	PAC 321	1169	7	739	10	590	9	1794	1	1185	4	1762	4	3220	4	1031	1	3658	1	2418	1	1103	2	1806	5	3363	2	269	1	905	9	2153	2	1881	2
11	HM 4 (C)	953	10	1374	5	720	1	1292	8	988	9	1806	3	3454	1	760	4	1846	6	1966	3	661	8	2167	3	2483	6	103	6	1380	4	1410	8	1483	7
	Location Mean	1188	.	1246	.	623	.	1462	.	1091	.	1559	.	2900	.	723	.	1953	.	1784	.	823	.	1939	.	2472	.	123	.	1171	.	1573	.	1510	.
	CV (%)	14.5	.	42.3	.	19.2	.	13.9	.	14.8	.	7.5	.	22.6	.	24.2	.	23.0	.	19	.	23.5	.	34.4	.	19.0	.	96.9	.	21.2	.	15.4	.	20	.
	F (Prob)	0.00	.	0.05	.	0.64	.	0.10	.	0.00	.	0.00	.	0.35	.	0.06	.	0.00	.	0	.	0.01	.	0.01	.	0.00	.	0.81	.	0.00	.	0.00	.	0	.
	CD (5%)	292	.	897	.	203	.	370	.	158	.	198	.	1115	.	298	.	764	.	594	.	330	.	1137	.	801	.	204	.	423	.	413	.	492	.
	CD (1%)	399	.	1224	.	277	.	526	.	211	.	270	.	1520	.	406	.	1042	.	810	.	450	.	1550	.	1092	.	279	.	576	.	564	.	671	.

TABLE No. 17: (Contd.)		Baby Corn Weight(kg/ha)																							
Sl. No.	Entry Name	PZ														V								All India	
		Dharwad		Hyderabad		Karimnagar		Kolhapur		Mandya		Rahuri		Zone4		Ambikapur		Godhra		Udaipur		Zone5		Mean	R
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	AH-7043	1377	1	945	4	461	8	1744	3	1154	6	3225	1	1675	1	2927	1	805	8	833	5	1880	1	1663	2
2	AHB 6005	482	9	511	11	474	7	834	11	775	11	1173	11	735	11	1292	11	593	11	351	11	821	11	816	11
3	DMRHB 1305	1070	4	717	8	564	5	1714	4	1187	5	2257	6	1308	6	2385	3	1488	1	918	1	1652	2	1517	4
4	GAYMH-1	884	6	792	7	376	11	1947	1	897	9	2500	4	1268	7	2420	2	751	9	786	6	1603	3	1429	6
5	IMHB 1529	1151	2	963	3	718	1	1550	6	1077	7	2788	2	1495	4	2090	6	1071	4	870	3	1480	6	1515	5
6	IMHB 1532	968	5	829	5	488	6	1786	2	1363	2	2076	7	1309	5	1788	9	981	6	540	8	1164	8	1422	7
7	IMHB 1538	1095	3	1043	2	674	2	1439	9	1223	4	2756	3	1529	2	2344	4	861	7	856	4	1600	4	1571	3
8	IMHB 1539	384	11	802	6	613	3	1339	10	1292	3	1796	8	1069	8	1830	8	1069	5	464	10	1147	9	1295	8
9	MBC 11-15	646	8	654	10	385	10	1524	7	899	8	1717	10	979	9	1948	7	1157	3	618	7	1283	7	1234	10
10	PAC 321	775	7	1358	1	566	4	1689	5	1568	1	2289	5	1498	3	2257	5	1456	2	906	2	1582	5	1713	1
11	HM 4 (C)	449	10	692	9	457	9	1509	8	815	10	1785	9	935	10	1597	10	710	10	481	9	1039	10	1282	9
	Location Mean	844	.	846	.	525	.	1552	.	1114	.	2215	.	1255	.	2080	.	995	.	693	.	1386	.	1405	.
	CV (%)	18.3	.	20.7	.	34.5	.	30.7	.	19.0	.	22.4	.	20	.	18.4	.	31.4	.	18.7	.	20.6	.	19	.
	F (Prob)	0.00	.	0.00	.	0.38	.	0.38	.	0.00	.	0.00	.	0	.	0.00	.	0.03	.	0.00	.	0.00	.	0	.
	CD (5%)	263	.	299	.	309	.	813	.	361	.	844	.	442	.	653	.	533	.	220	.	334	.	404	.
	CD (1%)	359	.	407	.	421	.	1108	.	492	.	1151	.	602	.	891	.	727	.	300	.	447	.	548	.

TABLE No. 17: (Contd.)		Plant Stand('000/ha)																
Sl. No.	Entry Name	NHZ					II					NWPZ						
		Bajaura	Barapani	Imphal	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH-7043	104.4	58.7	73.3	70.1	76.6	67.7	100.7	30.9	81.4	70.2	96.5	53.3	82.3	106.9	69.8	88.5	82.9
2	AHB 6005	86.1	48.3	66.0	70.8	67.8	67.7	100.7	26.4	71.9	66.7	101.0	34.4	44.4	94.9	50.0	28.1	59.0
3	DMRHB 1305	94.4	56.9	67.0	74.3	73.2	58.3	98.6	30.2	65.3	63.1	100.0	53.6	86.8	127.8	74.0	85.8	88.0
4	GAYMH-1	104.4	55.2	75.0	72.9	76.9	66.7	100.0	30.6	93.6	72.7	100.4	53.9	86.5	118.8	79.2	83.7	87.1
5	IMHB 1529	100.6	57.3	66.0	73.6	74.4	69.4	98.3	28.5	70.3	66.6	97.6	48.6	71.9	100.0	68.4	86.1	78.8
6	IMHB 1532	97.8	57.6	76.0	74.3	76.4	67.7	101.0	30.9	67.2	66.7	100.4	48.3	86.1	91.7	60.4	90.3	79.5
7	IMHB 1538	104.4	52.8	76.7	72.9	76.7	68.8	102.4	29.5	81.9	70.7	99.3	54.2	79.9	98.6	77.8	93.1	83.8
8	IMHB 1539	104.4	62.9	76.4	72.2	79.0	60.1	102.1	28.5	68.3	64.7	99.7	45.3	66.3	74.3	57.3	84.4	71.2
9	MBC 11-15	105.6	58.3	81.9	70.8	79.2	65.3	101.0	30.2	73.6	67.5	103.8	47.8	66.7	128.5	67.0	79.9	82.3
10	PAC 321	105.6	59.0	72.2	73.6	77.6	67.7	99.3	31.3	77.8	69.0	101.0	60.3	89.6	115.3	72.2	85.4	87.3
11	HM 4 (C)	104.4	60.1	75.7	75.0	78.8	67.7	99.7	30.6	76.4	68.6	100.4	50.8	75.7	115.3	70.5	86.1	83.1
	Location Mean	101.1	57.0	73.3	72.8	76.1	66.1	100.4	29.8	75.3	67.9	100.0	50.1	76.0	107.0	67.9	81.0	80.3
	CV (%)	5.2	9.8	10.0	3.5	7.4	6.0	1.7	8.4	6.3	5.1	3.7	8.6	10.3	17.2	8.6	7.5	11.3
	F (Prob)	0.00	0.23	0.22	0.64	0.00	0.04	0.14	0.46	0.00	0.00	0.64	0.00	0.00	0.05	0.00	0.00	0.00
	CD (5%)	9.0	9.5	12.5	4.7	4.9	6.7	3.0	4.3	8.0	2.8	6.3	7.3	13.4	31.4	9.9	10.3	6.1
	CD (1%)	12.2	13.0	17.0	6.6	6.5	9.2	4.0	5.8	10.9	3.7	8.6	10.0	18.3	42.9	13.5	14.1	8.1

TABLE No. 17: (Contd.)		Plant Stand('000/ha)													
Sl. No.	Entry Name	PZ								CWZ					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH-7043	63.2	74.0	81.5	61.1	78.8	64.9	106.9	75.8	82.3	60.6	66.3	51.0	65.1	75.0
2	AHB 6005	51.4	69.4	83.3	54.9	77.4	71.9	108.8	73.9	61.1	59.7	39.9	47.6	52.1	64.7
3	DMRHB 1305	63.5	71.2	81.9	59.7	78.5	64.6	109.3	75.5	79.5	59.4	66.0	59.0	66.0	74.6
4	GAYMH-1	63.5	70.1	87.5	65.6	76.0	77.1	108.8	78.4	83.3	67.8	60.8	59.0	67.7	77.6
5	IMHB 1529	64.2	72.6	92.1	66.0	77.4	70.1	109.7	78.9	74.3	57.2	50.7	43.1	56.3	72.6
6	IMHB 1532	64.2	68.4	88.4	63.2	76.0	65.3	103.7	75.6	69.1	61.1	57.3	51.4	59.7	72.7
7	IMHB 1538	64.6	72.9	91.7	63.9	80.2	71.9	111.1	79.5	80.9	62.2	58.7	45.8	61.9	75.9
8	IMHB 1539	63.2	71.2	81.0	62.9	75.0	61.8	105.1	74.3	72.9	57.5	59.7	44.8	58.7	70.3
9	MBC 11-15	62.9	71.2	85.7	64.6	80.6	66.3	110.7	77.4	71.2	60.0	63.9	50.4	61.4	74.7
10	PAC 321	64.2	68.1	96.8	61.5	77.4	79.2	111.1	79.8	78.5	66.9	65.6	60.8	68.0	77.6
11	HM 4 (C)	63.9	69.8	96.3	61.1	71.5	62.2	110.2	76.4	69.1	65.0	63.2	50.0	61.8	74.8
	Location Mean	62.6	70.8	87.8	62.2	77.2	68.7	108.7	76.9	74.8	61.6	59.3	51.2	61.7	73.7
	CV (%)	2.0	5.0	12.8	8.1	5.1	8.0	2.2	7.3	6.9	5.7	10.7	15.4	9.6	8.7
	F (Prob)	0.00	0.61	0.65	0.36	0.33	0.01	0.01	0.00	0.00	0.01	0.00	0.13	0.00	0.00
	CD (5%)	2.1	6.1	19.2	8.6	6.8	9.3	4.1	3.4	8.8	5.9	10.8	13.4	4.8	2.1
	CD (1%)	2.9	8.3	26.2	11.7	9.2	12.7	5.6	4.5	12.0	8.1	14.8	18.3	6.4	2.8

TABLE No. 17: (Contd.)		Fodder Weight																
Sl. No.	Entry Name	NHZ				NWPZ					NEPZ							
		Bajaura	Imphal	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	AH-7043	26111	9657292	10139	18125	31424	23083	7604	25611	21930	15660	10556	1323	8264	13633	19965	8951	
2	AHB 6005	11889	6519444	5069	8479	23611	20114	5139	21722	17646	18750	4611	886	1111	7333	2813	6340	
3	DMRHB 1305	23889	7639236	11389	17639	28646	20692	7257	28917	21378	18993	10417	1260	11875	14827	19306	10636	
4	GAYMH-1	28222	11796875	11806	20014	32465	26199	7535	22139	22085	18056	11528	970	12292	20487	23958	10711	
5	IMHB 1529	25778	6080903	13819	19799	29861	23349	7014	24972	21299	17535	7500	1209	9583	12535	21944	8957	
6	IMHB 1532	29611	7960417	12569	21090	30035	25615	9028	24889	22392	19167	11333	1074	11111	14028	14861	10671	
7	IMHB 1538	26833	7061806	12639	19736	30382	22023	7708	24667	21195	17535	10222	1328	9861	16548	23542	9736	
8	IMHB 1539	27944	11584375	14792	21368	30729	24353	7569	22583	21309	16632	7222	1059	10486	12278	17083	8850	
9	MBC 11-15	23778	10612153	8403	16090	27257	21340	5868	25139	19901	20278	5861	985	8542	16661	16806	8916	
10	PAC 321	31111	9670486	15764	23438	30035	26438	9132	19944	21387	18403	11500	1327	11736	15018	23090	10741	
11	HM 4 (C)	31667	9340278	15972	23819	31250	25322	8993	27163	23141	18333	11861	1151	11458	17156	21319	10701	
	Location Mean	26076	8902115	12033	19054	29609	23502	7532	24240	21242	18122	9328	1143	9665	14591	18608	9565	
	CV (%)	8.7	33.8	23.3	11.5	7.9	12.2	12.1	11.8	11.2	11.7	15.8	15.6	18.5	23.4	20.2	16.5	
	F (Prob)	0.00	0.29	0.06	0.00	0.01	0.11	0.00	0.05	0.00	0.43	0.00	0.05	0.00	0.02	0.00	0.00	
	CD (5%)	3840	5126739	5090	3112	3980	4862	1549	4866	1923	3619	2508	303	3038	5819	6390	1278	
	CD (1%)	5238	6993082	7239	4191	5429	6632	2113	6652	2550	4936	3421	413	4144	7937	8716	1694	

TABLE No. 17: (Contd.)		Fodder Weight											
Sl. No.	Entry Name	PZ								CWZ			All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH-7043	23576	37750	28704	13090	18271	19201	41025	24223	3507	11545	7526	16982
2	AHB 6005	4299	25646	23611	13125	4337	11181	15545	11037	2431	5858	4144	10334
3	DMRHB 1305	18681	27993	23148	13229	20063	15000	39201	21528	3576	13490	8533	16657
4	GAYMH-1	23247	42514	25926	14340	18347	20833	39068	24372	3819	15139	9479	17979
5	IMHB 1529	17049	31667	29630	14271	22069	16910	30245	19618	3403	10451	6927	15809
6	IMHB 1532	25226	47222	26852	14375	20417	22361	35637	24400	4132	15139	9635	18206
7	IMHB 1538	17396	47292	26389	12431	17639	20660	29802	20072	4063	11649	7856	16200
8	IMHB 1539	21267	37938	25000	14167	14455	20833	39876	24036	3507	10035	6771	17066
9	MBC 11-15	17830	33813	26389	14549	16288	16667	29265	19577	2813	9635	6224	14888
10	PAC 321	24455	40132	31019	12431	16125	23299	44271	26114	4028	13229	8628	18569
11	HM 4 (C)	28115	48802	33333	14236	16906	26076	41721	27537	4201	13976	9089	19458
	Location Mean	20104	38252	27273	13658	16811	19366	35060	22047	3589	11831	7710	16635
	CV (%)	12.9	23.6	22.1	12.8	33.4	17.8	12.7	14.6	19.4	9.0	11.6	14.0
	F (Prob)	0.00	0.05	0.63	0.76	0.08	0.00	0.00	0.00	0.10	0.00	0.00	0.00
	CD (5%)	4425	15366	10264	2972	9574	5866	7589	2617	1184	1806	1046	952
	CD (1%)	6036	20960	14001	4053	13059	8002	10352	3470	1615	2463	1400	1254

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TABLE No. 17: (Contd.) Diameter of baby corn(cm)

Sl. No.	Entry Name	NHZ		NWPZ					NEPZ				PZ						CWZ		All India		
		Imphal	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2	Dholi	Ranchi	Sabour	Zone3	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4		Godhra	Zone5
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		Mean	Mean
1	AH-7043	1.5	5.1	3.3	1.3	1.2	4.1	1.7	2.1	4.8	6.1	1.2	4.0	1.4	1.3	0.6	3.9	1.6	5.0	2.6	3.9	3.9	2.9
2	AHB 6005	1.5	4.6	3.0	1.4	1.4	4.1	1.3	2.1	5.3	2.9	1.2	3.1	1.3	1.1	0.6	3.6	1.6	4.4	2.4	3.9	3.9	2.6
3	DMRHB 1305	1.5	5.1	3.3	1.3	1.5	4.2	1.5	2.1	5.2	5.1	0.9	3.7	1.3	1.3	0.7	3.4	1.4	4.6	2.4	3.9	3.9	2.8
4	GAYMH-1	1.4	5.1	3.3	1.2	1.3	4.1	1.4	2.0	4.7	4.8	1.1	3.5	1.3	1.2	0.7	3.3	1.3	4.8	2.4	3.9	3.9	2.7
5	IMHB 1529	1.3	5.0	3.1	1.4	1.4	4.1	1.4	2.1	5.2	5.7	1.2	4.0	1.4	1.2	0.7	3.6	1.3	4.8	2.5	4.2	4.2	2.9
6	IMHB 1532	1.4	5.1	3.2	1.3	1.4	4.2	1.5	2.1	5.3	5.7	1.1	4.0	1.3	1.2	0.6	3.4	1.6	4.6	2.4	3.8	3.8	2.9
7	IMHB 1538	1.4	5.0	3.2	1.3	1.4	4.1	1.7	2.1	5.4	5.8	1.2	4.1	1.2	1.3	0.9	3.4	1.4	4.1	2.3	3.9	3.9	2.8
8	IMHB 1539	1.4	4.8	3.1	1.3	1.3	4.2	1.6	2.1	5.2	5.5	1.2	4.0	1.3	1.3	0.4	2.8	1.4	4.1	2.2	3.7	3.7	2.7
9	MBC 11-15	1.3	4.9	3.1	1.3	1.4	4.1	1.7	2.1	5.1	5.6	1.2	4.0	1.2	1.3	0.8	3.6	1.4	4.3	2.4	4.2	4.2	2.8
10	PAC 321	1.4	4.9	3.1	1.3	1.5	4.1	1.6	2.1	4.1	4.5	1.0	3.2	1.2	1.3	0.4	2.9	1.3	3.7	2.1	4.1	4.1	2.6
11	HM 4 (C)	1.5	4.9	3.2	1.3	1.4	4.2	2.0	2.2	4.9	5.1	1.1	3.7	1.3	1.2	0.4	3.3	1.4	4.5	2.3	4.0	4.0	2.8
	Location Mean	1.4	4.9	3.2	1.3	1.4	4.1	1.6	2.1	5.0	5.2	1.1	3.8	1.3	1.3	0.6	3.4	1.4	4.4	2.4	4.0	4.0	2.7
	CV (%)	9.8	5.1	6.5	4.8	7.3	3.4	16.7	7.6	9.6	19.5	10.3	17.2	3.5	5.7	43.4	12.4	12.0	7.1	10.6	6.9	6.6	12.9
	F (Prob)	0.46	0.60	0.00	0.42	0.08	0.96	0.18	0.00	0.13	0.06	0.06	0.00	0.00	0.14	0.48	0.14	0.43	0.00	0.00	0.50	0.00	0.00
	CD (5%)	0.2	0.5	0.2	0.1	0.2	0.2	0.5	0.1	0.8	1.7	0.2	0.6	0.1	0.1	0.5	0.7	0.3	0.5	0.2	0.5	0.5	0.2
	CD (1%)	0.3	0.6	0.3	0.2	0.2	0.3	0.6	0.2	1.1	2.3	0.3	0.8	0.1	0.2	0.6	1.0	0.4	0.7	0.2	0.6	0.6	0.2

TABLE No. 17: (Contd.)		Days to 50% Silking														
Sl. No.	Entry Name	NHZ					NWPZ				NEPZ					
		Bajaura	Barapani	Imphal	Kangra	Zone1	Delhi	Karnal	Pantnagar	Zone2	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	AH-7043	55.0	63.0	61.7	51.0	57.7	48.7	48.7	54.3	50.6	48.7	50.0	50.0	52.0	58.0	51.7
2	AHB 6005	55.0	66.3	63.0	54.5	59.7	53.3	51.3	56.7	53.8	50.7	51.0	50.7	.	66.3	54.7
3	DMRHB 1305	55.3	62.3	62.3	50.5	57.6	48.7	48.3	54.0	50.3	50.3	52.0	51.3	52.7	61.7	53.6
4	GAYMH-1	57.7	65.3	64.3	51.5	59.7	51.0	49.0	58.0	52.7	50.7	52.3	52.3	53.3	61.7	54.1
5	IMHB 1529	55.3	61.0	61.0	50.0	56.8	48.7	48.3	54.0	50.3	48.0	50.3	49.7	49.0	57.3	50.9
6	IMHB 1532	58.3	67.7	68.7	55.5	62.5	52.0	50.7	58.7	53.8	51.7	50.7	53.0	56.0	61.3	54.5
7	IMHB 1538	55.0	64.7	64.0	49.5	58.3	49.0	49.0	54.7	50.9	48.7	48.7	51.3	52.0	57.7	51.7
8	IMHB 1539	55.7	65.0	63.7	52.5	59.2	51.0	47.7	56.7	51.8	51.0	51.3	51.3	52.0	59.3	53.0
9	MBC 11-15	55.3	64.0	64.7	51.0	58.8	49.0	49.3	55.7	51.3	49.0	52.3	50.3	52.0	60.3	52.8
10	PAC 321	59.0	69.0	70.0	55.0	63.3	53.3	51.0	57.7	54.0	49.7	51.3	51.0	54.0	62.0	53.6
11	HM 4 (C)	58.7	65.7	71.0	53.0	62.1	50.0	49.0	57.3	52.1	49.3	52.3	52.0	54.0	61.7	53.9
	Location Mean	56.4	64.9	64.9	52.2	59.6	50.4	49.3	56.2	52.0	49.8	51.1	51.2	52.7	60.7	53.1
	CV (%)	1.2	2.2	3.9	2.3	2.8	1.8	5.0	2.3	3.2	3.2	3.9	2.9	1.0	1.5	2.6
	F (Prob)	0.00	0.00	0.00	0.01	0.00	0.00	0.71	0.00	0.00	0.20	0.47	0.26	0.00	0.00	0.00
	CD (5%)	1.2	2.4	4.3	2.2	1.4	1.6	4.2	2.2	1.6	2.8	3.4	2.5	0.9	1.6	.
	CD (1%)	1.6	3.3	5.9	3.2	1.9	2.1	5.7	3.0	2.1	3.8	4.6	3.4	1.2	2.2	.

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TABLE No. 17: (Contd.)		Days to 50% Silking										
Sl. No.	Entry Name	PZ							CWZ			All India
		Coimbatore	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	AH-7043	53.3	50.7	55.3	51.3	52.7	51.7	52.5	49.0	55.3	52.2	53.0
2	AHB 6005	57.3	50.3	54.7	54.3	53.0	54.0	53.9	52.7	58.3	55.5	55.5
3	DMRHB 1305	51.7	48.0	52.0	52.3	52.0	51.7	51.3	58.0	60.0	59.0	53.8
4	GAYMH-1	53.3	51.0	57.0	53.7	52.3	52.7	53.3	52.0	57.7	54.8	54.8
5	IMHB 1529	52.0	46.7	52.0	51.3	48.7	51.3	50.3	48.3	55.3	51.8	51.9
6	IMHB 1532	54.3	50.7	62.0	56.7	55.7	54.7	55.7	55.0	49.0	52.0	56.1
7	IMHB 1538	52.7	47.7	53.0	53.7	51.0	51.0	51.5	52.0	57.0	54.5	53.1
8	IMHB 1539	54.0	50.3	57.3	55.3	52.3	53.3	53.8	52.3	58.3	55.3	54.5
9	MBC 11-15	52.3	50.3	55.3	53.0	52.7	54.0	52.9	48.3	56.7	52.5	53.8
10	PAC 321	56.0	50.7	53.7	57.0	55.0	54.7	54.5	59.3	60.0	59.7	56.5
11	HM 4 (C)	56.7	50.7	62.3	55.7	53.7	54.3	55.6	59.7	60.3	60.0	56.4
	Location Mean	54.0	49.7	55.9	54.0	52.6	53.0	53.2	53.3	57.1	55.2	54.5
	CV (%)	2.1	4.4	4.6	2.2	3.5	1.3	3.2	3.3	9.4	7.1	3.7
	F (Prob)	0.00	0.23	0.00	0.00	0.01	0.00	0.00	0.00	0.43	0.00	0.00
	CD (5%)	2.0	3.7	4.4	2.0	3.1	1.1	1.1	3.0	9.1	4.6	.
	CD (1%)	2.7	5.0	6.0	2.7	4.2	1.6	1.5	4.1	12.5	6.1	.

TABLE No. 17: (Contd.)		Length of baby corn(cm)											
Sl. No.	Entry Name	NHZ			NWPZ					NEPZ			
		Imphal Mean	Kangra Mean	Zone1 Mean	Delhi Mean	Karnal Mean	Ludhiana Mean	Pantnagar Mean	Zone2 Mean	Dholi Mean	Ranchi Mean	Sabour Mean	Zone3 Mean
1	AH-7043	20.2	8.5	14.3	10.4	9.6	8.5	20.5	13.1	9.7	9.2	9.2	9.4
2	AHB 6005	19.9	7.8	13.8	7.6	6.8	8.1	20.3	12.0	9.0	4.9	6.4	7.7
3	DMRHB 1305	20.8	8.8	14.8	11.9	7.2	8.4	19.3	13.2	8.5	8.4	7.0	7.8
4	GAYMH-1	21.5	8.3	14.9	10.2	9.4	8.6	20.7	13.2	9.4	8.8	8.7	9.0
5	IMHB 1529	15.8	8.8	12.3	10.9	8.5	8.6	19.7	13.1	9.3	9.1	9.5	9.4
6	IMHB 1532	17.1	8.6	12.8	9.5	9.5	8.7	20.0	12.7	9.7	8.9	8.3	9.0
7	IMHB 1538	15.5	8.8	12.1	9.9	6.9	8.4	18.9	12.4	9.6	9.0	8.9	9.3
8	IMHB 1539	19.2	8.6	13.9	10.0	9.8	7.9	18.0	12.0	9.4	8.8	9.1	9.3
9	MBC 11-15	17.0	8.3	12.6	10.4	9.1	8.3	19.0	12.6	10.1	9.6	9.5	9.8
10	PAC 321	15.5	8.3	11.9	9.6	8.6	8.5	18.2	12.1	8.9	7.2	8.2	8.6
11	HM 4 (C)	17.5	8.8	13.1	9.7	9.8	8.1	19.3	12.4	9.2	9.7	8.6	8.9
	Location Mean	18.2	8.5	13.3	10.0	8.7	8.4	19.5	12.6	9.3	8.5	8.5	8.9
	CV (%)	9.7	5.0	10.3	5.0	20.5	3.9	8.4	8.0	7.8	22.6	9.0	8.4
	F (Prob)	0.00	0.43	0.00	0.00	0.29	0.19	0.56	0.00	0.47	0.21	0.00	0.00
	CD (5%)	3.0	0.8	1.9	0.9	3.0	0.6	2.8	1.0	1.3	3.3	1.3	0.9
	CD (1%)	4.1	1.1	2.6	1.2	4.1	0.8	3.8	1.3	1.7	4.5	1.8	1.2

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TABLE No. 17: (Contd.) Length of baby corn(cm)											
Sl. No.	Entry Name	PZ							CWZ		All India
		Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Godhra	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	AH-7043	11.3	8.7	7.5	8.7	10.0	12.5	9.8	6.9	6.9	10.9
2	AHB 6005	6.0	7.7	8.0	16.2	7.4	6.5	8.6	7.1	7.1	9.9
3	DMRHB 1305	11.5	8.6	7.7	9.4	11.3	10.6	9.8	6.3	6.3	10.7
4	GAYMH-1	9.7	8.2	8.9	10.0	9.8	10.5	9.5	7.3	7.3	10.8
5	IMHB 1529	9.9	8.2	8.3	9.1	9.5	9.7	9.1	7.1	7.1	10.3
6	IMHB 1532	10.3	8.3	8.1	8.3	9.9	9.6	9.1	7.3	7.3	10.3
7	IMHB 1538	9.4	8.3	9.4	8.5	9.6	10.4	9.3	7.4	7.4	10.2
8	IMHB 1539	10.4	7.8	8.3	8.3	10.0	10.1	9.2	6.8	6.8	10.3
9	MBC 11-15	10.1	7.8	8.7	10.2	10.6	9.4	9.5	8.7	8.7	10.6
10	PAC 321	8.7	7.7	7.7	7.5	9.2	7.8	8.1	7.9	7.9	9.6
11	HM 4 (C)	10.4	7.5	7.5	10.2	9.8	8.8	9.0	7.6	7.6	10.2
	Location Mean	9.8	8.1	8.2	9.7	9.7	9.6	9.2	7.3	7.3	10.4
	CV (%)	3.0	5.5	13.8	13.8	9.8	8.2	9.7	11.7	11.3	9.5
	F (Prob)	0.00	0.05	0.55	0.00	0.02	0.00	0.00	0.20	0.00	0.00
	CD (5%)	0.5	0.8	1.9	2.3	1.6	1.4	0.6	1.5	1.4	0.4
	CD (1%)	0.7	1.0	2.6	3.1	2.2	1.8	0.8	2.0	1.9	0.6

TABLE No. 17: (Contd.)		Plant Height(cm)																
Sl. No.	Entry Name	NHZ					NWPZ					NEPZ						
		Bajaura Mean	Barapani Mean	Imphal Mean	Kangra Mean	Zone1 Mean	Delhi Mean	Karnal Mean	Ludhiana Mean	Pantnagar Mean	Zone2 Mean	Bhubaneswar Mean	Dholi Mean	Kalyani Mean	Ranchi Mean	Sabour Mean	Varanasi Mean	Zone3 Mean
1	AH-7043	176.7	120.0	136.7	178.0	152.9	169.1	173.3	147.7	224.7	178.7	151.7	128.7	130.0	103.3	130.0	131.7	129.2
2	AHB 6005	125.0	82.4	152.7	154.0	128.5	142.6	157.0	132.3	170.0	150.5	156.7	114.7	118.0	.	100.0	98.3	107.8
3	DMRHB 1305	171.7	147.8	133.9	172.5	156.5	166.3	157.3	159.0	232.0	178.7	161.0	150.7	150.0	112.2	143.0	145.8	143.8
4	GAYMH-1	201.7	138.1	170.9	194.5	176.3	231.1	193.3	150.3	259.3	208.5	154.7	171.7	147.3	135.3	171.7	175.0	159.3
5	IMHB 1529	160.0	113.6	125.3	162.0	140.2	191.4	181.0	156.0	236.7	191.3	160.0	127.3	133.3	90.4	130.0	117.5	126.4
6	IMHB 1532	225.0	153.1	163.8	192.5	183.6	203.5	204.7	160.7	248.7	204.4	161.3	166.3	164.7	106.1	162.0	155.8	152.7
7	IMHB 1538	195.0	139.5	136.5	182.5	163.4	191.8	182.3	155.0	233.0	190.5	152.7	155.0	148.7	125.4	153.0	144.2	146.5
8	IMHB 1539	201.7	158.5	163.4	187.5	177.8	204.3	181.3	153.0	231.0	192.4	146.0	139.3	156.7	120.7	153.7	157.5	145.6
9	MBC 11-15	196.7	117.9	150.6	170.0	158.8	209.1	165.7	156.0	238.3	192.3	158.7	134.0	147.3	121.3	152.7	143.3	142.9
10	PAC 321	176.7	115.0	141.3	181.0	153.5	190.7	170.0	161.7	229.7	188.0	159.7	142.7	138.7	117.5	138.3	145.8	140.5
11	HM 4 (C)	203.3	162.0	170.4	177.0	178.2	196.2	188.3	142.0	253.3	195.0	163.7	152.3	156.7	118.7	147.7	146.7	147.6
	Location Mean	184.9	131.6	149.6	177.4	160.9	190.6	177.7	152.2	232.4	188.2	156.9	143.9	144.7	115.1	143.8	142.0	140.2
	CV (%)	4.7	14.0	10.1	4.9	8.8	3.5	10.0	9.5	4.1	6.8	4.7	6.5	6.7	7.8	4.9	4.8	5.9
	F (Prob)	0.00	0.00	0.01	0.02	0.00	0.00	0.08	0.40	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00
	CD (5%)	14.7	31.4	25.8	15.8	12.1	11.5	30.3	24.5	16.0	10.4	12.5	16.0	16.5	15.5	12.1	11.7	.
	CD (1%)	20.1	42.9	35.2	22.5	16.0	15.7	41.4	33.4	21.9	13.8	17.1	21.8	22.5	21.2	16.5	15.9	.

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TABLE No. 17: (Contd.)		Plant Height(cm)													
Sl. No.	Entry Name	PZ							CWZ					Zone5	All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Chindwara	Godhra	Udaipur		
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		
1	AH-7043	127.9	178.7	191.0	127.3	101.7	168.0	208.9	157.6	212.3	131.7	121.1	120.0	146.3	151.6
2	AHB 6005	89.8	139.7	139.7	118.0	85.0	124.7	176.7	124.8	154.0	123.0	115.6	95.0	121.9	126.7
3	DMRHB 1305	120.6	171.9	181.5	121.0	125.0	164.3	203.3	155.4	231.5	156.3	131.1	148.3	166.8	158.3
4	GAYMH-1	127.5	207.0	212.1	160.0	143.3	201.7	242.8	184.9	266.6	183.3	131.1	166.7	186.9	181.5
5	IMHB 1529	125.3	171.1	191.1	123.7	128.3	161.3	218.9	160.0	200.8	137.0	116.7	130.0	146.1	151.6
6	IMHB 1532	123.3	201.8	217.7	153.7	141.7	208.7	259.5	186.6	251.7	190.7	147.2	163.3	188.2	181.1
7	IMHB 1538	118.0	192.3	211.7	147.0	125.0	172.7	230.0	171.0	219.3	164.0	127.8	136.7	161.9	165.6
8	IMHB 1539	115.9	190.0	189.3	147.7	128.3	190.7	235.0	171.0	224.2	166.7	127.8	151.7	167.6	168.9
9	MBC 11-15	122.8	194.5	203.7	147.7	130.0	176.3	235.0	172.9	218.3	161.7	124.4	146.7	162.8	164.9
10	PAC 321	146.7	197.3	203.3	137.3	145.0	172.0	246.6	178.3	232.1	161.0	135.0	135.0	165.8	164.8
11	HM 4 (C)	146.5	195.7	212.9	138.3	151.7	191.3	240.6	182.4	233.0	169.0	133.3	153.3	172.2	173.8
	Location Mean	124.0	185.5	195.8	138.3	127.7	175.6	227.0	167.7	222.2	158.6	128.3	140.6	162.4	162.6
	CV (%)	6.3	2.5	7.8	6.5	18.8	4.6	5.1	7.7	4.5	5.3	12.1	9.1	7.3	7.4
	F (Prob)	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00
	CD (5%)	13.4	7.9	26.0	15.4	40.9	13.8	19.5	7.9	16.9	14.3	26.4	21.7	9.6	.
	CD (1%)	18.3	10.7	35.4	21.0	55.7	18.8	26.6	10.4	23.1	19.4	36.0	29.6	12.7	.

TABLE No. 17: (Contd.)		Ear Height(cm)															
Sl. No.	Entry Name	NHZ					II				III						
		Bajaura	Barapani	Imphal	Kangra	Zone1	Delhi	Karnal	Pantnagar	Zone2	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH-7043	80.0	62.4	35.5	86.0	66.0	79.7	81.7	98.0	86.4	73.0	55.0	51.5	41.1	54.0	61.7	56.0
2	AHB 6005	61.7	40.5	39.7	73.0	53.7	67.5	89.0	72.0	76.2	70.7	43.3	54.8	.	48.0	48.3	53.0
3	DMRHB 1305	88.3	71.3	32.9	84.0	69.1	79.4	77.3	98.7	85.1	78.0	77.7	47.9	54.3	61.3	83.3	67.1
4	GAYMH-1	116.7	71.9	52.0	95.0	83.9	121.2	95.3	125.0	113.8	75.7	88.0	42.7	66.9	75.7	97.5	74.4
5	IMHB 1529	78.3	54.4	34.2	78.0	61.2	91.1	92.3	105.3	96.2	73.0	58.3	54.4	39.3	55.3	65.0	57.6
6	IMHB 1532	135.0	67.3	45.2	89.0	84.1	106.2	127.7	120.7	118.2	71.3	83.0	51.0	59.9	75.7	83.3	70.7
7	IMHB 1538	111.7	66.9	36.5	91.0	76.5	91.7	106.7	106.3	101.6	75.7	80.7	49.6	60.0	71.7	79.2	69.5
8	IMHB 1539	106.7	79.3	45.8	92.5	81.1	100.9	98.7	111.0	103.5	75.3	67.3	50.4	56.4	68.3	89.2	67.8
9	MBC 11-15	105.0	56.1	44.7	84.5	72.6	103.7	95.3	110.0	103.0	74.3	57.3	59.3	59.6	64.0	76.7	65.2
10	PAC 321	115.0	61.1	46.7	91.0	78.5	94.7	96.3	117.0	102.7	77.0	74.0	55.2	59.3	61.7	82.5	68.3
11	HM 4 (C)	106.7	80.3	46.1	87.0	80.0	93.8	99.3	120.3	104.5	76.0	67.0	48.8	53.5	69.3	75.8	65.1
	Location Mean	100.5	64.7	41.7	86.5	73.3	93.6	96.3	107.7	99.2	74.6	68.3	51.4	55.0	64.1	76.6	65.0
	CV (%)	9.9	13.6	18.1	5.6	11.1	5.6	18.2	5.8	11.1	5.5	9.6	10.9	9.7	9.3	10.6	9.4
	F (Prob)	0.00	0.00	0.08	0.03	0.00	0.00	0.15	0.00	0.00	0.52	0.00	0.11	0.00	0.00	0.00	0.00
	CD (5%)	16.9	14.9	12.9	8.7	6.9	9.0	29.9	10.6	10.4	7.0	11.1	9.5	9.2	10.2	13.9	.
	CD (1%)	23.1	20.4	17.5	12.4	9.2	12.2	40.8	14.4	13.8	9.6	15.2	13.0	12.6	13.9	18.9	.

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TABLE No. 17: (Contd.)		Ear Height(cm)													
Sl. No.	Entry Name	IV								V					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH-7043	63.0	81.1	76.0	44.3	58.3	64.0	91.1	68.3	73.5	53.0	68.3	48.3	60.8	65.9
2	AHB 6005	40.2	62.0	63.3	42.3	48.3	48.3	93.9	56.9	58.0	56.3	53.6	41.7	52.4	58.4
3	DMRHB 1305	60.1	71.5	67.7	42.3	56.7	75.7	88.9	66.1	105.2	69.0	75.6	76.7	81.6	71.8
4	GAYMH-1	62.9	98.9	78.0	63.7	88.3	96.0	116.6	86.4	106.0	78.3	70.0	81.7	84.0	86.0
5	IMHB 1529	62.9	75.1	75.0	59.0	76.7	73.3	105.6	75.4	77.7	57.7	67.8	66.7	67.4	69.9
6	IMHB 1532	60.9	114.0	85.0	67.0	93.3	109.0	117.2	92.4	111.1	79.0	72.8	80.0	85.7	87.7
7	IMHB 1538	57.6	93.3	79.3	60.0	73.3	86.0	106.1	79.4	91.2	77.3	65.0	60.0	73.4	78.2
8	IMHB 1539	56.7	94.1	79.0	60.7	73.3	89.0	107.2	80.0	96.0	78.0	68.3	63.3	76.4	79.5
9	MBC 11-15	62.8	91.0	85.0	66.3	93.3	79.7	103.9	83.2	92.0	68.3	69.4	65.0	73.7	77.8
10	PAC 321	71.2	94.0	82.7	68.0	95.0	91.0	108.9	87.3	105.1	69.7	55.6	73.3	75.9	81.1
11	HM 4 (C)	74.8	104.7	85.3	54.7	86.7	87.3	115.0	86.9	95.8	69.0	70.0	63.3	74.5	80.4
	Location Mean	61.2	89.1	77.9	57.1	76.7	81.8	105.0	78.4	92.0	68.7	66.9	65.5	73.3	75.9
	CV (%)	7.4	9.1	6.7	15.5	18.4	9.2	8.3	11.0	8.3	15.0	17.1	10.7	12.5	11.3
	F (Prob)	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.04	0.46	0.00	0.00	0.00
	CD (5%)	7.7	13.8	8.9	15.1	24.1	12.8	14.8	5.3	13.0	17.6	19.5	11.9	7.5	.
	CD (1%)	10.5	18.8	12.1	20.6	32.8	17.4	20.2	7.0	17.8	24.0	26.6	16.2	9.9	.

TABLE No. 18: Trial PC-I-II-III				Yield(kg/ha)															
Sl. No.	Entry Name	Trial No.	Zone**	NHZ						NWPZ									
				Bajaura		Imphal		Zone1		Delhi		Karnal		Ludhiana		Pantnagar		Zone2	
				Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	APCH-1	PCI	All	4018	12	1299	6	2659	11	4429	4	4267	7	3134	10	2924	6	3689	7
2	BPCH 415042	PCI	All	3984	13	1162	11	2573	13	2598	15	4042	10	2939	13	2607	12	3046	14
3	DPCH-306	PCI	All	6158	3	1312	5	3735	3	3755	9	4585	5	2985	12	2377	14	3425	12
4	IHPC-1201	PCII	I,II,III,IV	4713	7	1035	14	2874	9	3700	10	4149	9	4023	6	3050	5	3731	6
5	IHPC-1203	PCII	All	4110	11	1103	13	2606	12	4136	6	4190	8	4402	3	3193	3	3980	4
6	IMHP-1535	PCIII	II,III,IV,V	3599	14	1403	3	2501	14	3836	8	3883	12	3886	7	2697	9	3576	9
7	IMHP-1540	PCIII	All	3489	15	1337	4	2413	15	3504	11	3940	11	3813	8	2481	13	3435	11
8	MPC 1-15	PCIII	II,III,IV	4629	10	1233	9	2931	8	4314	5	4328	6	3099	11	2616	11	3590	8
9	REPCCH 2015-1	PCI	All	4652	9	1404	2	3028	6	3500	12	4689	3	4330	4	2918	7	3859	5
10	REPCCH 2015-2	PCI	All	6956	2	1221	10	4089	2	5381	2	4658	4	5386	2	3219	2	4661	2
11	SJPCI	PCIII	I,II,III,IV	4865	5	1270	7	3067	5	4070	7	3690	14	3584	9	2858	8	3550	10
12	Shalimar Popcorn -1	PCI	All	6141	4	1263	8	3702	4	4574	3	4717	2	4225	5	3175	4	4173	3
13	Zea Maize DZ 50	PCI	All	4682	8	1000	15	2841	10	3276	13	3492	15	2063	15	2622	10	2863	15
14	Filler (Against KDPC1 ©)	PC	All	8805	1	1463	1	5134	1	7587	1	8013	1	6299	1	3815	1	6429	1
15	VL Amber Popcorn (C)	PC	All	4815	6	1123	12	2969	7	3273	14	3769	13	2856	14	2290	15	3047	13
	Location Mean			5041	.	1242	.	3141	.	4129	.	4428	.	3802	.	2856	.	3804	.
	CV (%)			22.8	.	17.9	.	26.4	.	8.3	.	8.5	.	14.5	.	12.8	.	11.0	.
	F (Prob)			0	.	0.38	.	0	.	0	.	0	.	0	.	0	.	0	.
	CD (5%)			1926	.	372	.	959	.	570	.	627	.	923	.	609	.	337	.
	CD (1%)			2598	.	501	.	1276	.	768	.	845	.	1246	.	822	.	446	.

Note: **In rest of the zones, the test entry replaced with filler to constitute uniform trials across country
Locations with CV above 20% in Zone 2,3,4 and above 30% in Zone 1 and 5 have been excluded from Zonal Mean

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TABLE No. 18: (Contd.)		Yield(kg/ha)															
Sl. No.	Entry Name	NEPZ															
		Baharaich		Bhubaneswar		Dholi		Kalyani		Ranchi		Sabour		Varanasi		Zone3	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	APCH-1	2401	8	3858	3	1112	5	3495	9	2154	4	2358	9	2258	14	2874	11
2	BPCH 415042	2268	11	2886	14	754	12	3477	10	1313	12	2249	12	2463	12	2669	13
3	DPCH-306	2342	10	3135	11	894	10	3632	6	676	14	2198	13	2517	11	2765	12
4	IHPC-1201	2633	6	3412	7	1010	6	3733	4	1927	6	3196	4	3774	4	3350	3
5	IHPC-1203	2713	3	3785	4	983	7	3601	8	1454	10	2992	5	3380	5	3294	5
6	IMHP-1535	2237	13	3601	5	732	13	4036	1	1530	9	2195	14	2854	8	2985	7
7	IMHP-1540	2263	12	3189	10	923	9	3736	3	2358	3	2865	6	2804	9	2971	8
8	MPC 1-15	2364	9	3451	6	939	8	3748	2	1448	11	2648	7	2745	10	2991	6
9	REPCH 2015-1	2710	4	2903	13	785	11	3290	14	1921	7	2332	10	3339	6	2915	10
10	REPCH 2015-2	2808	2	4086	2	1977	2	3469	11	2619	2	4247	2	4455	2	3813	2
11	SJPCI	2657	5	3328	8	1118	4	3269	15	2044	5	2263	11	3333	7	2970	9
12	Shalimar Popcorn -1	2631	7	3286	9	1252	3	3459	12	1783	8	3220	3	4023	3	3324	4
13	Zea Maize DZ 50	2207	14	2292	15	544	15	3375	13	1276	13	1960	15	2397	13	2446	15
14	Filler (Against KDPC1 ©)	3494	1	6005	1	2294	1	3604	7	3930	1	6782	1	6851	1	5347	1
15	VL Amber Popcorn (C)	2002	15	2979	12	633	14	3649	5	569	15	2381	8	2052	15	2613	14
	Location Mean	2515	.	3480	.	1063	.	3571	.	1800	.	2926	.	3283	.	3155	.
	CV (%)	15.6	.	14.0	.	38.8	.	10.8	.	33.4	.	15.7	.	13.4	.	13.8	.
	F (Prob)	0.02	.	0	.	0	.	0.66	.	0	.	0	.	0	.	0	.
	CD (5%)	655	.	817	.	689	.	645	.	1006	.	768	.	738	.	314	.
	CD (1%)	883	.	1102	.	930	.	869	.	1358	.	1036	.	996	.	415	.

TABLE No. 18: (Contd.)

Yield(kg/ha)

Sl. No.	Entry Name	PZ															
		Coimbatore		Dharwad		Hyderabad		Karimnagar		Kolhapur		Mandya		Rahuri		Zone4	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	APCH-1	3777	9	6188	5	3945	8	4801	9	2777	12	5159	8	5139	8	4770	7
2	BPCH 415042	3261	14	5673	11	3226	13	3672	15	3102	6	5498	6	4823	11	4131	13
3	DPCH-306	3647	11	4952	13	4266	6	4926	7	2262	14	6249	3	6390	3	4836	6
4	IHPC-1201	3762	10	5718	9	4496	4	5219	4	3402	3	4411	12	4578	13	4754	9
5	IHPC-1203	4139	4	6383	3	3845	9	4810	8	3022	7	4780	10	5196	7	4875	5
6	IMHP-1535	3583	12	5742	8	3360	11	4362	14	2344	13	4360	13	4738	12	4357	12
7	IMHP-1540	3297	13	5692	10	4327	5	5370	2	2906	10	4921	9	5112	9	4760	8
8	MPC 1-15	3867	6	6039	6	3146	14	4710	11	2975	8	4112	14	4962	10	4545	11
9	REPCCH 2015-1	3967	5	5175	12	3729	10	4786	10	3379	4	5334	7	5265	6	4585	10
10	REPCCH 2015-2	4914	2	7574	2	6168	2	5116	6	531	15	6135	4	6791	2	6112	2
11	SJPCI	3859	7	5839	7	4667	3	5286	3	3502	2	5616	5	5567	5	5044	4
12	Shalimar Popcorn -1	4353	3	6373	4	4135	7	5144	5	2849	11	6507	2	6319	4	5265	3
13	Zea Maize DZ 50	3808	8	2844	15	3235	12	4662	12	3131	5	3367	15	3757	15	3661	15
14	Filler (Against KDPC1 ©)	6343	1	13309	1	7566	1	5547	1	5547	1	8476	1	7061	1	7965	1
15	VL Amber Popcorn (C)	3138	15	4393	14	2695	15	4458	13	2926	9	4559	11	3820	14	3701	14
	Location Mean	3981	.	6126	.	4187	.	4858	.	2977	.	5299	.	5301	.	4891	.
	CV (%)	14.9	.	13.0	.	14.9	.	14.3	.	21.1	.	25.9	.	15.8	.	14.6	.
	F (Prob)	0	.	0	.	0	.	0.23	.	0	.	0.02	.	0	.	0	.
	CD (5%)	990	.	1333	.	1044	.	1158	.	1049	.	2298	.	1400	.	516	.
	CD (1%)	1335	.	1799	.	1408	.	1563	.	1415	.	3100	.	1889	.	682	.

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TABLE No. 18: (Contd.)		Yield(kg/ha)													
Sl. No.	Entry Name	CWZ												All India	
		Ambikapur		Banswara		Godhra		Udaipur		Zone5		Mean	R		
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R				
1	APCH-1	2685	14	3405	3	1622	5	1978	4	2689	9	3493	9		
2	BPCH 415042	2420	15	2655	8	1256	10	1848	8	2308	14	3066	14		
3	DPCH-306	3107	12	2726	6	1154	13	1903	7	2579	12	3522	8		
4	IHPC-1201	3326	11	2107	13	1424	8	1807	10	2414	13	3602	6		
5	IHPC-1203	3940	5	2468	9	1285	9	1741	11	2716	8	3691	4		
6	IMHP-1535	3595	9	2354	11	1188	11	1813	9	2587	11	3357	12		
7	IMHP-1540	3739	7	2080	14	1156	12	1977	5	2599	10	3422	11		
8	MPC 1-15	3344	10	2686	7	1579	6	2332	2	2787	6	3488	10		
9	REPCH 2015-1	3846	6	2746	5	1921	4	1591	15	2728	7	3535	7		
10	REPCH 2015-2	4727	2	3707	2	2780	2	2316	3	3583	2	4589	2		
11	SJPCI	4409	3	2340	12	1445	7	1734	12	2828	4	3626	5		
12	Shalimar Popcorn -1	4088	4	2411	10	2198	3	1905	6	2801	5	3971	3		
13	Zea Maize DZ 50	2762	13	1913	15	535	15	1707	14	2128	15	2845	15		
14	Filler (Against KDPC1 ©)	6956	1	4812	1	4524	1	2568	1	4779	1	6152	1		
15	VL Amber Popcorn (C)	3656	8	3248	4	685	14	1729	13	2878	3	3070	13		
	Location Mean	3773	.	2777	.	1650	.	1930	.	2827	.	3695	.		
	CV (%)	21.2	.	18.9	.	44.0	.	17.6	.	20.3	.	16.0	.		
	F (Prob)	0	.	0	.	0.01	.	0.07	.	0	.	0	.		
	CD (5%)	1335	.	880	.	1272	.	567	.	539	.	217	.		
	CD (1%)	1800	.	1186	.	1765	.	765	.	714	.	285	.		

TABLE No. 18: (Contd.)		Plant Stand('000/ha)							
Sl. No.	Entry Name	NHZ			NWPZ				
		Bajaura	Imphal	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH-1	69.4	90.7	80.1	50.0	79.5	69.1	61.7	65.1
2	BPCH 415042	59.4	96.3	77.9	51.7	78.5	64.6	63.6	64.6
3	DPCH-306	66.1	89.4	77.7	44.8	80.2	62.9	48.6	59.1
4	IHPC-1201	58.9	99.1	79.0	48.6	79.2	68.4	54.7	62.7
5	IHPC-1203	60.0	105.1	82.6	50.4	80.6	68.8	50.8	62.6
6	IMHP-1535	62.8	95.4	79.1	51.7	79.2	74.7	62.5	67.0
7	IMHP-1540	62.2	96.8	79.5	49.7	79.5	70.1	55.6	63.7
8	MPC 1-15	60.6	97.7	79.1	50.7	79.9	63.5	58.3	63.1
9	REPCH 2015-1	58.9	101.9	80.4	47.6	80.6	66.0	61.7	63.9
10	REPCH 2015-2	67.2	97.2	82.2	47.6	80.2	67.7	58.3	63.5
11	SJPCI	70.6	99.1	84.8	50.7	78.5	68.4	62.2	65.0
12	Shalimar Popcorn -1	66.1	99.1	82.6	48.3	79.9	68.4	56.7	63.3
13	Zea Maize DZ 50	63.3	84.3	73.8	45.1	80.6	64.2	57.2	61.8
14	Filler (Against KDPC1 ©)	77.8	105.6	91.7	50.7	78.5	83.0	63.3	68.9
15	VL Amber Popcorn (C)	78.9	101.4	90.1	50.4	79.5	65.6	62.8	64.6
	Location Mean	65.5	97.3	81.4	49.2	79.6	68.4	58.5	63.9
	CV (%)	11.5	8.3	9.6	6.0	1.3	8.7	10.1	6.9
	F (Prob)	0.04	0.17	0.00	0.13	0.13	0.04	0.08	0.00
	CD (5%)	12.6	13.5	9.0	4.9	1.7	9.9	9.9	3.6
	CD (1%)	17.1	18.2	12.0	6.6	2.3	13.3	13.3	4.7

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TABLE No. 18: (Contd.)		Plant Stand('000/ha)															
Sl. No.	Entry Name	NEPZ								PZ							
		Baharai ch Mean	Bhubaneswar Mean	Dholi Mean	Kalyani Mean	Ranchi Mean	Sabour Mean	Varanasi Mean	Zone3 Mean	Coimbat ore Mean	Dnarw ad Mean	Hyderabad Mean	Karimnagar Mean	Kolhapur Mean	Mandya Mean	Rahuri Mean	Zone4 Mean
1	APCH-1	73.6	77.8	46.4	86.1	74.0	66.0	64.2	69.7	62.9	75.7	64.6	71.5	69.1	67.7	68.4	68.6
2	BPCH 415042	73.9	76.4	45.6	86.5	77.2	68.1	61.5	69.9	63.5	70.8	56.9	67.7	71.2	69.1	81.6	68.7
3	DPCH-306	71.4	71.5	35.3	85.1	67.0	61.8	61.8	64.8	62.5	55.9	60.4	68.8	70.8	71.9	63.9	64.9
4	IHPC-1201	76.3	70.5	45.6	89.6	70.2	69.1	59.7	68.7	62.9	68.4	62.2	70.1	71.2	70.5	72.6	68.3
5	IHPC-1203	78.3	77.8	53.1	85.4	72.8	71.2	66.7	72.2	62.2	66.0	59.7	69.1	70.1	71.2	81.3	68.5
6	IMHP-1535	74.5	73.3	52.8	93.1	77.2	60.4	64.6	70.8	64.9	64.9	65.3	75.0	68.1	75.0	78.1	70.2
7	IMHP-1540	74.9	73.3	54.4	85.8	74.4	74.3	63.5	71.5	64.2	72.6	64.9	73.6	69.1	70.5	74.7	69.9
8	MPC 1-15	76.6	75.7	47.2	87.5	71.2	64.6	60.8	69.1	64.2	65.3	53.5	65.6	72.2	75.4	71.9	66.9
9	REPCH 2015-1	76.7	73.3	40.3	83.3	73.4	58.0	62.5	66.8	64.6	63.2	57.6	70.1	71.2	77.1	74.3	68.3
10	REPCH 2015-2	77.8	78.1	44.4	87.2	77.6	70.8	62.2	71.2	62.9	61.5	64.9	72.9	71.5	72.2	68.8	67.8
11	SJPCI	76.9	71.9	53.1	84.7	75.3	64.6	62.5	69.9	64.6	72.2	67.0	75.0	71.2	73.6	71.9	70.8
12	Shalimar Popcorn -1	78.2	71.9	45.6	85.8	74.4	64.6	60.4	68.7	62.9	59.0	61.8	71.5	70.8	71.2	73.3	67.2
13	Zea Maize DZ 50	73.9	73.6	40.6	82.6	68.9	58.0	59.7	65.3	61.8	62.5	63.5	70.8	68.8	68.8	66.3	66.1
14	Filler (Against KDPC1 ©)	81.0	74.0	58.6	92.4	74.4	75.4	63.2	74.1	63.5	66.0	66.3	73.3	75.7	75.4	67.7	69.7
15	VL Amber Popcorn (C)	72.6	71.5	46.4	89.6	72.1	63.5	62.2	68.3	64.6	66.0	55.2	67.7	69.8	72.9	72.9	67.0
	Location Mean	75.8	74.0	47.3	87.0	73.3	66.0	62.4	69.4	63.5	66.0	61.6	70.9	70.7	72.2	72.5	68.2
	CV (%)	2.3	3.9	14.4	5.7	5.9	16.7	3.1	8.5	2.2	8.5	8.5	4.8	3.4	6.4	9.5	6.7
	F (Prob)	0.00	0.03	0.02	0.39	0.18	0.74	0.01	0.00	0.16	0.01	0.06	0.06	0.10	0.43	0.12	0.00
	CD (5%)	3.0	4.8	11.4	8.3	7.3	18.5	3.3	3.7	2.3	9.3	8.7	5.7	4.0	7.7	11.5	2.8
	CD (1%)	4.2	6.5	15.4	11.1	9.8	24.9	4.4	4.9	3.2	12.6	11.8	7.7	5.4	10.3	15.5	3.7

TABLE No. 18: (Contd.)		Plant Stand('000/ha)					
Sl. No.	Entry Name	CWZ					All India Mean
		Ambikapur Mean	Banswara Mean	Godhra Mean	Udaipur Mean	Zone5 Mean	
1	APCH-1	63.9	60.1	45.3	49.0	54.6	66.9
2	BPCH 415042	63.5	59.4	46.4	50.4	54.9	66.8
3	DPCH-306	69.1	60.1	51.0	45.5	56.4	63.6
4	IHPC-1201	67.4	61.1	45.8	45.1	54.9	66.1
5	IHPC-1203	72.2	60.4	44.8	49.3	56.7	67.8
6	IMHP-1535	72.2	59.7	46.4	48.3	56.6	68.3
7	IMHP-1540	72.9	57.3	34.9	57.6	55.7	67.8
8	MPC 1-15	67.7	61.5	47.4	46.5	55.8	66.1
9	REPCH 2015-1	72.2	59.4	59.9	46.5	59.5	66.7
10	REPCH 2015-2	77.1	58.3	54.2	52.8	60.6	68.1
11	SJPCI	79.9	62.9	58.3	44.8	61.5	69.2
12	Shalimar Popcorn -1	71.2	60.1	40.1	51.0	55.6	66.3
13	Zea Maize DZ 50	64.2	54.9	49.0	45.1	53.3	63.7
14	Filler (Against KDPC1 ©)	84.0	61.8	53.1	48.3	61.8	71.4
15	VL Amber Popcorn (C)	70.1	61.8	42.2	49.3	55.9	67.0
	Location Mean	71.2	59.9	47.9	48.6	56.9	67.2
	CV (%)	6.2	4.5	14.1	9.0	7.7	7.9
	F (Prob)	0.00	0.14	0.11	0.08	0.00	0.00
	CD (5%)	7.3	4.5	11.8	7.3	3.8	1.8
	CD (1%)	9.9	6.1	16.4	9.9	5.0	2.3

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TABLE No. 18: (Contd.)		Shelling(%)							
Sl. No.	Entry Name	NHZ			NWPZ				
		Bajaura	Imphal	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH-1	82.6	82.8	70.8	86.6	81.4	78.6	78.1	81.2
2	BPCH 415042	81.4	79.1	72.5	76.4	82.1	78.3	77.3	78.5
3	DPCH-306	87.8	84.6	75.9	89.2	80.8	81.0	79.4	82.6
4	IHPC-1201	84.4	83.9	73.9	88.8	82.2	80.5	79.6	82.8
5	IHPC-1203	83.7	83.2	71.8	85.9	81.7	80.1	76.9	81.1
6	IMHP-1535	85.7	86.6	74.6	87.6	81.0	81.0	81.8	82.9
7	IMHP-1540	88.1	85.7	77.4	94.4	81.3	83.9	77.8	84.4
8	MPC 1-15	85.6	82.9	74.2	93.9	82.1	81.0	79.0	84.0
9	REPCH 2015-1	84.8	83.6	75.8	88.9	81.5	81.1	79.3	82.7
10	REPCH 2015-2	84.0	83.4	76.4	85.7	82.2	81.4	80.2	82.4
11	SJPCI	84.8	82.3	74.6	89.4	82.2	80.6	79.4	82.9
12	Shalimar Popcorn -1	85.2	82.2	69.2	85.4	81.0	82.1	77.3	81.4
13	Zea Maize DZ 50	85.3	82.4	73.7	95.2	82.2	82.3	80.2	85.0
14	Filler (Against KDPC1 ©)	82.8	80.5	71.7	82.9	81.6	81.1	76.2	80.4
15	VL Amber Popcorn (C)	82.9	81.4	75.2	80.0	80.6	78.2	73.4	78.1
	Location Mean	84.6	83.0	73.8	87.4	81.6	80.8	78.4	82.0
	CV (%)	0.0	3.2	7.1	3.7	2.0	2.6	2.9	2.9
	F (Prob)	0.00	0.17	0.00	0.00	0.97	0.15	0.02	0.00
	CD (5%)	0.0	4.4	4.9	5.4	2.7	3.6	3.8	1.9
	CD (1%)	0.0	6.0	6.6	7.3	3.7	4.8	5.1	2.5

TABLE No. 18: (Contd.)		Shelling(%)															
Sl. No.	Entry Name	NEPZ								PZ							
		Banarai ch Mean	Bhubaneswar Mean	Dholi Mean	Kalyani Mean	Ranchi Mean	Sabour Mean	Varanasi Mean	Zone3 Mean	Coimbat ore Mean	Dnarw ad Mean	Hyderabad Mean	Karimnagar Mean	Kolhapur Mean	Mandya Mean	Rahuri Mean	Zone4 Mean
1	APCH-1	60.3	79.9	81.5	78.8	81.7	74.6	59.2	73.7	81.0	85.3	80.3	80.9	72.2	80.4	83.6	80.5
2	BPCH 415042	62.0	79.2	81.0	77.9	78.7	74.4	70.9	74.9	79.7	83.5	77.7	79.2	70.6	78.0	79.0	78.2
3	DPCH-306	61.7	81.5	82.5	81.8	84.7	78.8	71.2	77.5	83.2	84.9	80.9	81.6	50.0	81.7	85.1	78.2
4	IHPC-1201	63.7	81.5	80.0	80.6	82.3	75.5	76.0	77.1	80.2	86.8	79.8	81.3	75.9	79.1	84.7	81.1
5	IHPC-1203	62.3	78.9	83.0	80.8	85.2	78.5	73.8	77.5	83.5	84.9	77.3	78.7	72.7	80.5	84.4	80.3
6	IMHP-1535	61.7	79.5	80.5	84.8	86.6	77.7	75.0	78.0	81.9	87.1	79.6	80.4	75.0	79.3	88.1	81.6
7	IMHP-1540	62.7	80.0	79.0	87.7	85.8	78.9	82.0	79.4	82.0	90.4	79.4	79.8	63.2	80.5	88.8	80.6
8	MPC 1-15	61.3	80.1	80.5	82.2	78.4	73.1	75.8	75.9	83.0	86.8	81.5	81.7	60.0	80.7	84.3	79.7
9	REPCH 2015-1	62.0	78.3	80.0	76.9	83.6	79.2	79.8	77.1	81.8	86.1	78.2	80.6	80.0	80.5	86.1	81.9
10	REPCH 2015-2	56.3	78.8	86.0	79.1	84.7	76.6	73.2	76.4	80.1	84.1	81.1	82.4	12.5	79.1	83.7	71.8
11	SJPCI	61.0	79.2	81.0	74.9	82.5	77.4	77.9	76.3	83.3	86.4	77.9	79.4	78.6	79.8	82.6	81.1
12	Shalimar Popcorn -1	60.3	80.4	85.0	79.1	82.1	76.5	74.5	76.9	81.7	85.2	81.5	82.2	66.7	78.7	84.1	80.0
13	Zea Maize DZ 50	62.3	79.0	80.0	82.4	85.0	80.4	72.2	77.3	83.1	84.2	77.8	79.3	91.7	78.9	84.6	82.8
14	Filler (Against KDPC1 ©)	58.7	78.7	80.0	81.6	83.9	75.2	72.7	75.8	79.6	82.2	79.5	80.3	83.3	76.5	84.5	80.8
15	VL Amber Popcorn (C)	62.7	80.3	84.0	79.8	81.4	77.8	75.2	77.3	81.1	86.4	82.2	82.8	71.4	79.4	85.8	81.3
	Location Mean	61.3	79.7	81.6	80.6	83.1	77.0	74.0	76.7	81.7	85.6	79.6	80.7	68.3	79.5	84.6	80.0
	CV (%)	4.8	0.8	2.1	4.4	3.2	5.3	5.4	4.0	1.8	0.8	4.8	3.8	0.0	1.4	2.2	2.6
	F (Prob)	0.35	0.00	0.00	0.03	0.02	0.70	0.00	0.00	0.02	0.00	0.90	0.90	0.00	0.00	0.00	0.00
	CD (5%)	4.9	1.1	2.9	6.0	4.4	6.9	6.7	1.9	2.5	1.1	6.4	5.1	0.0	1.9	3.0	1.3
	CD (1%)	6.6	1.5	3.8	8.1	5.9	9.2	9.1	2.4	3.4	1.5	8.6	6.9	0.0	2.6	4.1	1.7

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TABLE No. 18: (Contd.)		Shelling(%)					
Sl. No.	Entry Name	CWZ					All India
		Ambikapur	Banswara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean
1	APCH-1	79.4	70.4	88.6	82.8	80.3	77.5
2	BPCH 415042	77.8	70.3	83.5	81.9	78.4	76.7
3	DPCH-306	79.5	68.3	74.5	81.8	76.0	78.1
4	IHPC-1201	78.5	66.0	88.0	81.4	78.4	79.0
5	IHPC-1203	78.9	66.2	71.3	82.8	74.8	77.7
6	IMHP-1535	79.3	64.9	70.0	82.6	74.2	78.8
7	IMHP-1540	79.4	65.3	80.9	83.2	77.2	79.9
8	MPC 1-15	78.7	66.2	72.9	81.8	74.9	77.9
9	REPCH 2015-1	78.7	69.6	74.5	82.3	76.2	79.1
10	REPCH 2015-2	77.0	70.9	80.0	82.0	77.4	76.3
11	SJPCI	77.9	66.0	85.3	82.2	77.8	78.7
12	Shalimar Popcorn -1	79.7	66.4	73.0	84.6	75.9	77.4
13	Zea Maize DZ 50	79.1	63.8	76.4	83.4	75.7	79.4
14	Filler (Against KDPC1 ©)	78.5	75.4	76.0	83.4	78.3	77.9
15	VL Amber Popcorn (C)	79.5	69.9	73.8	81.1	76.1	78.1
	Location Mean	78.8	67.9	77.9	82.5	76.8	78.2
	CV (%)	1.9	3.6	0.0	1.5	2.1	3.8
	F (Prob)	0.70	0.00	0.00	0.11	0.00	0.00
	CD (5%)	2.5	4.0	0.0	2.0	1.4	1.0
	CD (1%)	3.4	5.5	0.0	2.7	1.8	1.3

TABLE No. 18: (Contd.)		Moisture(%)							
Sl. No.	Entry Name	NHZ			NWPZ				
		Bajaura Mean	Imphal Mean	Zone1 Mean	Delhi Mean	Karnal Mean	Ludhiana Mean	Pantnagar Mean	Zone2 Mean
1	APCH-1	21.3	14.5	17.9	15.4	20.4	14.1	15.2	16.3
2	BPCH 415042	21.0	15.8	18.4	16.8	20.5	14.9	15.1	16.8
3	DPCH-306	21.4	16.3	18.8	17.6	18.5	14.1	15.1	16.3
4	IHPC-1201	20.7	13.4	17.0	17.8	20.9	13.9	15.1	16.9
5	IHPC-1203	20.9	13.0	16.9	18.2	19.0	14.4	15.1	16.7
6	IMHP-1535	21.0	12.5	16.7	16.9	21.3	14.3	15.3	16.9
7	IMHP-1540	18.8	12.8	15.8	15.9	19.4	14.2	15.1	16.1
8	MPC 1-15	19.8	14.6	17.2	19.1	20.7	13.8	15.4	17.2
9	REPCH 2015-1	20.6	15.1	17.8	20.9	18.7	14.3	15.3	17.3
10	REPCH 2015-2	20.0	16.4	18.2	24.0	19.8	14.6	15.4	18.4
11	SJPCI	20.9	16.4	18.6	18.7	22.1	14.3	15.9	17.8
12	Shalimar Popcorn -1	21.2	16.3	18.7	15.4	19.8	14.3	15.0	16.1
13	Zea Maize DZ 50	20.0	13.4	16.7	15.7	18.9	14.0	15.3	16.0
14	Filler (Against KDPC1 ©)	21.7	17.6	19.7	23.3	22.9	14.4	16.7	19.3
15	VL Amber Popcorn (C)	21.1	11.9	16.5	16.6	18.7	14.6	15.2	16.2
	Location Mean	20.7	14.7	17.7	18.1	20.1	14.3	15.3	17.0
	CV (%)	4.0	20.8	12.6	2.7	6.3	2.4	1.7	4.2
	F (Prob)	0.02	0.47	0.00	0.00	0.00	0.04	0.00	0.00
	CD (5%)	1.4	5.1	2.6	0.8	2.1	0.6	0.4	0.6
	CD (1%)	1.9	6.9	3.4	1.1	2.9	0.8	0.6	0.8

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TABLE No. 18: (Contd.)		Moisture(%)															
Sl. No.	Entry Name	NEPZ								PZ							
		Baharai ch Mean	Bhubaneswar Mean	Dholi Mean	Kalyani Mean	Ranchi Mean	Sabour Mean	Varanasi Mean	Zone3 Mean	Coimbatore Mean	Dharwad Mean	Hyderabad Mean	Karimnagar Mean	Kolhapur Mean	Mandya Mean	Rahuri Mean	Zone4 Mean
1	APCH-1	20.2	18.6	23.4	18.4	33.6	31.5	27.5	24.7	13.6	20.8	18.9	14.9	10.6	11.6	11.2	14.5
2	BPCH 415042	21.4	18.9	22.9	18.4	33.5	29.3	28.1	24.6	12.7	20.4	21.1	14.8	9.3	11.5	11.5	14.5
3	DPCH-306	23.1	18.1	23.3	18.1	31.0	32.0	28.6	24.9	12.7	21.9	20.5	16.7	10.0	12.1	13.1	15.3
4	IHPC-1201	22.1	18.7	20.7	18.6	35.2	24.5	28.5	24.0	13.9	20.3	20.2	15.3	9.4	12.0	14.4	15.1
5	IHPC-1203	25.0	18.5	21.6	17.5	34.6	27.9	28.7	24.8	13.0	19.2	20.2	16.8	9.9	12.3	14.5	15.1
6	IMHP-1535	20.8	18.7	21.6	18.2	34.7	29.4	28.4	24.5	13.4	18.5	18.8	16.5	9.7	11.2	13.2	14.5
7	IMHP-1540	22.0	18.0	18.8	17.5	33.4	26.0	27.8	23.3	12.7	17.3	19.6	15.2	9.9	11.3	12.9	14.1
8	MPC 1-15	20.7	18.2	23.5	17.4	34.0	25.4	29.6	24.1	14.1	21.3	19.4	15.3	10.1	12.2	11.5	14.8
9	REPCH 2015-1	22.1	18.3	19.9	18.1	34.0	28.2	28.6	24.2	15.1	21.9	19.8	15.3	10.0	12.4	12.5	15.3
10	REPCH 2015-2	22.5	18.1	25.1	18.1	29.8	31.9	32.3	25.4	16.3	22.0	19.3	17.2	9.9	12.9	13.7	15.9
11	SJPCI	22.8	18.3	22.3	18.2	32.7	29.9	28.8	24.7	14.3	22.1	20.5	17.1	9.6	11.0	12.2	15.3
12	Shalimar Popcorn -1	22.2	18.6	20.9	18.6	35.9	27.1	28.9	24.6	13.7	19.3	20.6	16.6	9.4	12.4	13.8	15.1
13	Zea Maize DZ 50	20.0	18.4	20.0	17.9	32.2	24.0	28.7	23.0	14.0	18.4	18.9	14.2	9.5	11.1	11.0	13.9
14	Filler (Against KDPC1 ©)	24.3	18.8	25.1	18.6	34.1	32.2	33.4	26.6	14.3	20.0	20.8	18.9	9.7	14.9	14.0	16.1
15	VL Amber Popcorn (C)	22.6	18.9	20.4	18.5	31.1	26.0	25.8	23.3	12.6	18.8	19.7	15.7	10.6	12.2	12.6	14.6
	Location Mean	22.1	18.5	22.0	18.1	33.3	28.4	28.9	24.4	13.7	20.1	19.9	16.0	9.8	12.1	12.8	14.9
	CV (%)	3.7	2.1	4.0	2.1	3.6	11.2	2.0	5.6	10.4	8.5	5.8	8.2	2.4	4.5	8.9	7.9
	F (Prob)	0.00	0.06	0.00	0.00	0.00	0.03	0.00	0.00	0.18	0.02	0.33	0.02	0.00	0.00	0.01	0.00
	CD (5%)	1.4	0.6	1.5	0.6	2.0	5.3	1.0	0.8	2.4	2.9	1.9	2.2	0.4	0.9	1.9	0.7
	CD (1%)	1.8	0.9	2.0	0.9	2.7	7.2	1.3	1.1	3.2	3.8	2.6	3.0	0.5	1.2	2.6	0.9

TABLE No. 18: (Contd.)		Moisture(%)					
Sl. No.	Entry Name	CWZ					Zone All In Mean
		Ambikapur	Banswara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	
1	APCH-1	14.5	16.4	10.5	12.9	13.6	17.9
2	BPCH 415042	14.1	15.8	10.5	11.6	13.0	17.9
3	DPCH-306	14.5	16.5	10.5	13.8	13.8	18.3
4	IHPC-1201	14.3	16.1	10.6	12.9	13.5	17.9
5	IHPC-1203	15.3	16.3	11.0	11.5	13.5	18.1
6	IMHP-1535	15.1	16.4	10.4	10.4	13.1	17.8
7	IMHP-1540	15.0	15.6	10.5	16.8	14.5	17.3
8	MPC 1-15	14.7	16.0	10.9	9.9	12.8	17.8
9	REPCH 2015-1	15.2	16.2	10.9	12.3	13.6	18.1
10	REPCH 2015-2	16.1	16.3	11.2	13.3	14.2	19.0
11	SJPCI	15.6	16.3	11.3	16.0	14.8	18.6
12	Shalimar Popcorn -1	15.2	15.5	10.2	8.9	12.4	17.9
13	Zea Maize DZ 50	14.4	16.1	10.2	11.7	13.1	17.0
14	Filler (Against KDPC1 ©)	16.5	16.3	11.3	12.6	14.2	19.7
15	VL Amber Popcorn (C)	14.8	15.5	11.0	13.8	13.7	17.4
	Location Mean	15.0	16.1	10.7	12.5	13.6	18.2
	CV (%)	4.6	1.9	9.5	13.7	7.8	7.1
	F (Prob)	0.01	0.00	0.99	0.00	0.00	0.00
	CD (5%)	1.2	0.5	1.8	2.9	0.9	0.4
	CD (1%)	1.6	0.7	2.5	3.9	1.2	0.6

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TABLE No. 18: (Contd.)		Days to 50% Pollen Shed							
Sl. No.	Entry Name	NHZ			NWPZ				
		Bajaura Mean	Imphal Mean	Zone1 Mean	Delhi Mean	Karnal Mean	Ludhiana Mean	Pantnagar Mean	Zone2 Mean
1	APCH-1	54.3	58.3	55.4	48.0	49.3	50.3	53.0	50.2
2	BPCH 415042	54.7	59.3	56.6	45.7	51.0	51.0	52.7	50.1
3	DPCH-306	53.0	59.3	54.3	46.7	46.0	48.7	52.7	48.5
4	IHPC-1201	53.3	57.0	53.9	45.3	47.7	45.3	53.3	47.9
5	IHPC-1203	52.3	56.0	53.0	45.3	48.0	47.7	52.7	48.4
6	IMHP-1535	54.3	59.7	56.0	46.7	51.0	48.7	52.3	49.7
7	IMHP-1540	51.3	56.3	52.7	45.7	47.0	47.7	51.7	48.0
8	MPC 1-15	53.3	59.0	54.9	46.0	48.7	47.3	54.0	49.0
9	REPCH 2015-1	53.3	57.0	53.9	47.0	49.0	49.3	52.0	49.3
10	REPCH 2015-2	54.7	58.0	55.2	48.3	48.0	49.0	54.0	49.8
11	SJPCI	54.0	61.3	56.3	48.0	51.0	49.7	53.0	50.4
12	Shalimar Popcorn -1	52.3	59.3	54.1	44.3	46.0	45.3	52.7	47.1
13	Zea Maize DZ 50	51.7	56.7	53.1	46.0	48.7	48.3	51.7	48.7
14	Filler (Against KDPC1 ©)	56.7	62.3	58.9	46.7	52.0	49.0	56.3	51.0
15	VL Amber Popcorn (C)	51.7	58.3	53.7	46.3	47.0	48.0	52.3	48.4
	Location Mean	53.4	58.5	54.8	46.4	48.7	48.4	53.0	49.1
	CV (%)	1.8	2.8	2.6	2.6	3.2	3.5	2.3	2.9
	F (Prob)	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00
	CD (5%)	1.6	2.7	1.3	2.0	2.6	2.8	2.0	1.2
	CD (1%)	2.2	3.7	1.7	2.7	3.6	3.8	2.7	1.5

TABLE No. 18: (Contd.)

Days to 50% Pollen Shed

Sl. No.	Entry Name	NEPZ								PZ							
		Baharaich Mean	Bhubaneswar Mean	Dholi Mean	Kalyani Mean	Ranchi Mean	Sabour Mean	Varanasi Mean	Zone3 Mean	Coimbatore Mean	Dharwad Mean	Hyderabad Mean	Karimnagar Mean	Kolhapur Mean	Mandya Mean	Rahuri Mean	Zone4 Mean
1	APCH-1	50.3	46.7	51.7	40.3	48.7	53.7	51.7	49.0	52.0	55.0	56.0	47.3	55.0	49.7	48.7	52.0
2	BPCH 415042	53.3	46.7	53.0	45.0	47.3	54.7	51.7	50.2	52.3	54.0	53.3	47.0	55.0	49.7	48.7	51.4
3	DPCH-306	51.3	46.0	51.0	40.3	48.0	53.3	49.7	48.5	50.0	54.0	53.0	45.3	54.3	48.7	47.7	50.4
4	IHPC-1201	50.0	45.0	49.7	43.7	48.0	50.0	49.3	48.0	51.0	52.0	52.0	45.0	54.7	48.0	46.7	49.9
5	IHPC-1203	49.3	45.0	49.7	39.0	48.0	49.0	49.7	47.1	48.3	51.3	51.3	46.0	55.7	48.7	44.7	49.4
6	IMHP-1535	50.7	46.0	49.3	42.3	48.0	52.0	49.0	48.2	51.0	52.0	55.0	47.0	59.7	50.3	46.0	51.6
7	IMHP-1540	49.3	44.3	49.7	43.0	46.7	49.0	49.3	47.3	49.3	52.7	51.7	44.3	54.3	48.3	46.0	49.5
8	MPC 1-15	52.0	45.7	50.7	41.0	48.0	51.0	49.7	48.3	52.0	54.0	55.0	46.3	54.7	49.3	48.0	51.3
9	REPCH 2015-1	50.7	46.7	51.0	43.3	48.0	52.7	50.3	49.0	50.7	53.0	53.0	45.3	55.3	49.0	46.7	50.4
10	REPCH 2015-2	52.0	46.7	50.7	40.0	48.0	55.7	51.7	49.2	50.3	56.0	53.7	46.0	55.3	49.0	48.3	51.2
11	SJPCI	46.0	47.3	51.0	44.7	48.0	52.3	50.7	48.6	52.3	54.3	54.7	48.0	55.0	49.0	49.0	51.8
12	Shalimar Popcorn -1	47.0	44.7	47.7	41.0	46.7	49.3	48.3	46.4	48.0	49.3	51.7	45.3	55.7	48.0	45.0	49.0
13	Zea Maize DZ 50	51.3	46.0	51.0	40.0	47.3	51.7	50.0	48.2	49.7	53.0	53.0	44.7	55.7	49.3	46.7	50.3
14	Filler (Against KDPC1 ©)	51.0	47.7	51.0	41.0	52.7	54.7	52.0	50.0	52.3	55.0	56.3	49.0	53.0	50.3	49.0	52.1
15	VL Amber Popcorn (C)	51.7	46.0	50.7	40.7	48.0	55.0	49.0	48.7	51.3	52.3	53.0	45.3	54.3	48.3	47.3	50.3
	Location Mean	50.4	46.0	50.5	41.7	48.1	52.3	50.1	48.4	50.7	53.2	53.5	46.1	55.2	49.0	47.2	50.7
	CV (%)	5.1	1.8	2.1	6.3	3.8	4.8	1.3	3.9	2.5	3.0	2.6	3.7	3.6	2.3	2.2	2.9
	F (Prob)	0.12	0.00	0.00	0.18	0.12	0.02	0.00	0.00	0.00	0.00	0.00	0.09	0.15	0.29	0.00	0.00
	CD (5%)	4.3	1.4	1.8	4.4	3.1	4.2	1.1	1.2	2.1	2.7	2.4	2.8	3.3	1.9	1.8	0.9
	CD (1%)	5.7	1.9	2.4	5.9	4.2	5.7	1.5	1.5	2.8	3.7	3.2	3.8	4.4	2.6	2.4	1.2

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TABLE No. 18: (Contd.)		Days to 50% Pollen Shed					
Sl. No.	Entry Name	CWZ					Zone All In
		Ambikapur	Banswara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	
1	APCH-1	49.7	45.3	48.5	53.7	49.3	50.8
2	BPCH 415042	49.7	48.0	50.0	55.7	50.8	51.4
3	DPCH-306	47.0	46.7	49.5	52.7	49.0	49.8
4	IHPC-1201	47.3	48.3	48.0	53.3	49.3	49.4
5	IHPC-1203	46.3	48.7	48.0	52.3	48.8	49.0
6	IMHP-1535	48.3	45.7	50.0	54.0	49.5	50.5
7	IMHP-1540	45.7	44.7	48.5	52.3	47.8	48.8
8	MPC 1-15	47.0	45.3	48.5	56.0	49.2	50.2
9	REPCH 2015-1	46.7	47.7	50.0	53.7	49.5	50.1
10	REPCH 2015-2	48.7	47.3	51.0	54.7	50.4	50.8
11	SJPCI	49.3	49.0	54.0	55.3	51.9	51.2
12	Shalimar Popcorn -1	46.3	45.7	46.5	52.0	47.6	48.4
13	Zea Maize DZ 50	47.0	42.0	49.0	52.7	47.7	49.4
14	Filler (Against KDPC1 ©)	50.3	50.0	54.0	55.0	52.3	52.2
15	VL Amber Popcorn (C)	46.0	47.7	50.0	51.0	48.7	49.7
	Location Mean	47.7	46.8	49.7	53.6	49.5	50.1
	CV (%)	1.8	5.0	8.4	2.6	4.4	3.4
	F (Prob)	0.00	0.03	0.90	0.00	0.00	0.00
	CD (5%)	1.5	3.9	7.3	2.3	1.9	0.6
	CD (1%)	2.0	5.2	10.2	3.1	2.5	0.7

TABLE No. 18: (Contd.) Days to 50% Silking									
Sl. No.	Entry Name	NHZ			NWPZ				
		Bajaura	Imphal	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH-1	57.0	63.3	59.3	50.3	52.3	51.7	56.7	52.8
2	BPCH 415042	57.7	62.7	60.1	48.0	53.3	52.7	55.3	52.3
3	DPCH-306	55.3	63.3	57.7	48.7	49.0	50.7	56.3	51.2
4	IHPC-1201	56.0	62.7	57.8	47.3	50.3	47.3	56.3	50.3
5	IHPC-1203	55.3	61.0	57.3	47.3	50.7	48.7	56.3	50.8
6	IMHP-1535	57.0	63.3	59.4	48.7	53.0	50.0	54.7	51.6
7	IMHP-1540	54.0	59.0	55.6	47.7	49.0	49.7	54.7	50.3
8	MPC 1-15	55.7	62.7	58.4	48.3	50.7	49.7	57.0	51.4
9	REPCH 2015-1	56.0	62.0	58.1	49.3	51.3	50.7	55.3	51.7
10	REPCH 2015-2	56.7	62.3	58.9	50.0	50.3	50.7	57.0	52.0
11	SJPCI	57.0	65.3	60.2	50.7	53.3	51.7	57.0	53.2
12	Shalimar Popcorn -1	55.0	63.3	57.4	46.7	48.3	46.7	56.0	49.4
13	Zea Maize DZ 50	54.0	62.3	57.1	48.7	51.0	50.3	54.7	51.2
14	Filler (Against KDPC1 ©)	59.7	65.7	62.1	48.0	54.3	50.0	58.7	52.8
15	VL Amber Popcorn (C)	54.7	61.7	57.2	48.3	50.0	50.3	56.3	51.3
	Location Mean	56.1	62.7	58.5	48.5	51.1	50.0	56.2	51.5
	CV (%)	1.7	2.5	2.4	2.8	3.1	3.0	2.4	2.8
	F (Prob)	0.00	0.01	0.00	0.04	0.00	0.00	0.06	0.00
	CD (5%)	1.6	2.6	1.3	2.2	2.6	2.5	2.3	1.2
	CD (1%)	2.1	3.6	1.7	3.0	3.5	3.4	3.0	1.5

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TABLE No. 18: (Contd.)		Days to 50% Silking															
Sl. No.	Entry Name	NEPZ								PZ							
		Baharain h Mean	Bhubaneswar Mean	Dholi Mean	Kalyani Mean	Ranchi Mean	Sabour Mean	Varanasi Mean	Zone3 Mean	Coimbatore c Mean	Dharwad d Mean	Hyderabad Mean	Karimnagar Mean	Kolhapur Mean	Mandya Mean	Rahuri Mean	Zone4 Mean
1	APCH-1	52.3	49.7	52.7	42.7	54.7	58.0	55.0	52.1	54.7	56.0	58.3	50.7	57.0	52.0	50.7	54.2
2	BPCH 415042	55.0	49.7	54.3	46.3	56.3	59.7	54.3	53.7	55.0	57.0	56.0	50.0	57.0	53.0	50.3	54.1
3	DPCH-306	53.0	49.0	51.7	42.0	54.7	59.0	52.3	51.7	53.7	56.0	55.0	48.7	56.3	50.3	49.0	52.7
4	IHPC-1201	52.3	48.0	52.0	44.7	54.7	56.0	52.7	51.5	54.0	55.0	54.3	48.3	56.7	51.7	48.0	52.6
5	IHPC-1203	50.7	48.0	51.0	41.7	54.0	54.7	52.3	50.3	52.7	55.0	53.7	49.7	57.7	51.3	46.7	52.4
6	IMHP-1535	52.7	49.0	52.0	44.0	55.0	57.3	51.7	51.7	54.3	52.3	57.3	49.7	57.7	52.3	47.7	53.1
7	IMHP-1540	51.3	47.3	50.7	45.0	53.0	54.7	51.7	50.5	52.7	52.3	54.0	47.7	56.3	51.0	48.0	51.7
8	MPC 1-15	54.3	48.7	52.3	43.0	53.0	56.7	53.3	51.6	54.7	56.0	57.3	49.0	56.7	52.3	50.0	53.7
9	REPCH 2015-1	52.0	49.7	52.3	44.3	54.0	58.3	53.0	52.0	54.0	55.0	55.0	49.3	57.3	50.3	48.7	52.8
10	REPCH 2015-2	53.0	49.7	52.3	41.7	54.0	60.7	54.0	52.2	54.3	57.0	55.7	49.3	57.3	51.3	50.0	53.6
11	SJPCI	48.0	50.3	53.0	46.7	56.3	58.3	54.7	52.5	56.7	57.0	56.7	51.3	57.0	52.3	51.7	54.7
12	Shalimar Popcorn -1	49.0	47.7	50.0	43.0	52.3	54.3	51.3	49.7	51.3	51.0	54.0	49.0	57.7	47.3	46.3	51.0
13	Zea Maize DZ 50	52.7	49.0	52.3	42.0	55.3	58.3	52.0	51.7	53.3	54.0	55.3	47.7	57.7	52.3	48.3	52.7
14	Filler (Against KDPC1 ©)	53.0	50.7	51.7	42.3	54.0	58.7	54.0	52.1	55.7	55.0	58.3	53.0	55.0	54.0	50.7	54.5
15	VL Amber Popcorn (C)	53.3	49.0	52.0	42.7	55.3	59.3	52.3	52.0	54.3	56.0	55.0	48.7	56.3	51.0	49.0	52.9
	Location Mean	52.2	49.0	52.0	43.5	54.4	57.6	53.0	51.7	54.1	55.0	55.7	49.5	56.9	51.5	49.0	53.1
	CV (%)	4.9	1.7	2.0	6.2	2.6	3.9	1.3	3.5	1.8	2.7	2.6	3.3	2.3	3.5	2.4	2.7
	F (Prob)	0.17	0.00	0.01	0.41	0.06	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.50	0.04	0.00	0.00
	CD (5%)	4.3	1.4	1.7	4.5	2.4	3.8	1.1	1.1	1.6	2.4	2.4	2.7	2.1	3.0	2.0	0.9
	CD (1%)	5.8	1.9	2.3	6.1	3.2	5.1	1.5	1.5	2.2	3.3	3.3	3.7	2.9	4.0	2.6	1.1

TABLE No. 18: (Contd.)		Days to 50% Silking					
Sl. No.	Entry Name	CWZ					Zone All In
		Ambikapur	Banswara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	
1	APCH-1	51.7	48.3	50.0	57.3	51.8	53.6
2	BPCH 415042	52.0	51.3	52.0	58.7	53.5	54.3
3	DPCH-306	49.7	49.7	50.5	56.0	51.5	52.6
4	IHPC-1201	49.7	51.7	49.0	56.0	51.6	52.4
5	IHPC-1203	49.3	51.7	49.5	56.0	51.6	52.0
6	IMHP-1535	51.0	48.7	51.0	56.3	51.8	53.0
7	IMHP-1540	48.3	47.7	50.5	55.0	50.4	51.4
8	MPC 1-15	49.3	48.3	50.0	58.7	51.6	53.0
9	REPCH 2015-1	49.0	50.7	51.5	56.3	51.9	52.9
10	REPCH 2015-2	51.0	50.7	53.5	57.7	53.2	53.5
11	SJPCI	52.3	52.0	56.0	58.3	54.7	54.5
12	Shalimar Popcorn -1	49.0	48.7	48.5	55.0	50.3	51.0
13	Zea Maize DZ 50	49.7	45.0	51.0	56.0	50.4	52.3
14	Filler (Against KDPC1 ©)	53.0	53.0	56.0	58.7	55.2	54.6
15	VL Amber Popcorn (C)	49.0	50.7	52.0	54.7	51.6	52.7
	Location Mean	50.3	49.9	51.4	56.7	52.1	52.9
	CV (%)	2.2	4.6	8.5	2.7	4.3	3.2
	F (Prob)	0.00	0.02	0.87	0.01	0.00	0.00
	CD (5%)	1.8	3.8	7.6	2.5	1.9	0.6
	CD (1%)	2.5	5.1	10.6	3.4	2.6	0.7

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TABLE No. 18: (Contd.) Days to 75% Dry Husk

Sl. No.	Entry Name	NHZ			NWPZ				NEPZ							
		Bajaura	Imphal	Zone1	Delhi	Karnal	Ludhiana	Zone2	Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH-1	91.0	104.7	102.3	85.3	87.3	87.0	86.6	78.7	86.7	81.3	86.3	92.7	86.7	85.0	85.3
2	BPCH 415042	92.7	104.7	103.0	85.0	87.7	89.3	87.3	76.0	85.7	82.0	85.7	95.0	89.3	84.0	85.4
3	DPCH-306	92.3	105.0	101.7	87.3	85.7	87.7	86.9	76.7	85.3	84.0	86.0	92.7	87.7	85.7	85.4
4	IHPC-1201	91.7	103.7	101.4	84.3	85.0	85.3	84.9	78.3	85.3	79.7	84.0	92.7	86.7	86.0	84.7
5	IHPC-1203	91.7	102.0	100.6	89.0	85.7	86.0	86.9	78.0	86.0	81.3	84.7	92.0	84.0	86.7	84.7
6	IMHP-1535	92.3	104.3	103.7	89.0	88.3	86.3	87.9	78.0	85.3	80.3	84.7	93.3	88.0	83.3	84.7
7	IMHP-1540	89.0	100.0	98.7	86.7	86.0	87.3	86.7	75.7	85.3	78.7	83.7	90.7	85.3	85.7	83.6
8	MPC 1-15	89.7	104.7	101.7	86.7	86.0	89.0	87.2	77.7	86.3	80.3	85.0	91.0	87.7	87.0	85.0
9	REPCCH 2015-1	91.7	103.3	101.3	87.7	86.0	88.0	87.2	80.0	85.0	79.3	85.3	91.7	87.3	87.0	85.1
10	REPCCH 2015-2	89.7	104.3	101.8	90.0	86.0	90.7	88.9	79.7	88.3	82.7	88.0	92.0	90.7	88.7	87.1
11	SJPCI	91.7	106.0	103.6	87.3	89.0	89.3	88.6	79.3	87.0	81.3	86.0	95.3	87.3	86.7	86.1
12	Shalimar Popcorn -1	88.3	105.0	100.8	89.0	84.7	85.3	86.3	77.3	85.0	80.0	84.3	90.0	84.7	83.7	83.6
13	Zea Maize DZ 50	87.7	100.0	98.6	85.0	86.3	82.0	84.4	74.3	84.7	81.3	87.3	93.0	86.0	83.7	84.3
14	Filler (Against KDPC1 ©)	93.7	107.0	105.6	91.7	88.0	89.7	89.8	81.3	89.7	79.0	91.0	92.0	86.0	87.7	86.7
15	VL Amber Popcorn (C)	89.7	103.3	100.2	84.0	85.7	86.0	85.2	74.0	85.3	84.3	84.3	93.0	90.3	82.7	84.9
	Location Mean	90.8	103.9	101.7	87.2	86.5	87.3	87.0	77.7	86.1	81.0	85.8	92.5	87.2	85.6	85.1
	CV (%)	1.5	1.3	1.5	3.0	1.9	3.0	2.7	2.9	1.1	2.0	2.7	1.6	3.1	1.2	2.2
	F (Prob)	0.00	0.00	0.00	0.04	0.07	0.04	0.00	0.02	0.00	0.00	0.05	0.01	0.19	0.00	0.00
	CD (5%)	2.3	2.2	1.5	4.4	2.7	4.3	2.2	3.7	1.6	2.7	3.8	2.4	4.6	1.7	1.1
	CD (1%)	3.1	3.0	1.9	5.9	3.6	5.8	2.9	5.1	2.1	3.7	5.2	3.3	6.2	2.3	1.5

TABLE No. 18: (Contd.)

Days to 75% Dry Husk

Sl. No.	Entry Name	PZ								CWZ					All India
		Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4	Ambikapur	Banswara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	APCH-1	93.3	98.0	95.0	80.3	97.7	89.0	87.3	91.5	87.7	76.0	83.5	87.3	83.6	89.1
2	BPCH 415042	94.0	96.0	94.7	79.0	97.0	88.3	88.7	91.1	87.7	79.7	80.0	87.3	83.7	89.2
3	DPCH-306	93.3	96.7	94.7	78.7	96.0	88.7	87.3	90.8	87.3	77.7	78.0	87.3	82.6	88.7
4	IHPC-1201	93.7	96.7	96.0	80.0	96.7	88.3	86.0	91.1	86.3	80.7	76.5	86.3	82.5	88.3
5	IHPC-1203	91.7	98.0	93.3	78.7	97.7	87.7	84.0	90.1	86.0	82.3	80.0	86.3	83.7	88.4
6	IMHP-1535	93.7	97.7	93.0	79.7	97.7	89.7	84.3	90.8	87.3	77.7	79.0	84.7	82.2	88.8
7	IMHP-1540	92.0	93.3	92.0	78.0	96.3	87.7	85.0	89.2	85.3	76.0	78.0	86.3	81.4	87.1
8	MPC 1-15	93.3	98.7	95.7	78.7	97.0	87.7	87.3	91.2	88.0	77.3	76.5	86.3	82.0	88.7
9	REPCH 2015-1	93.3	97.3	96.3	79.3	97.3	87.7	87.7	91.3	87.7	79.3	85.0	85.3	84.3	89.1
10	REPCH 2015-2	93.7	99.3	95.7	79.3	98.7	89.0	88.7	92.1	87.0	80.3	79.5	86.3	83.3	90.0
11	SJPCI	95.7	97.7	97.0	80.0	97.0	88.7	90.3	92.3	88.0	81.0	76.5	88.3	83.5	90.0
12	Shalimar Popcorn -1	90.3	94.0	94.3	79.7	97.7	88.3	82.7	89.6	86.0	77.0	79.5	86.0	82.1	87.6
13	Zea Maize DZ 50	93.3	90.0	94.0	77.3	98.0	87.0	82.7	88.9	84.7	73.3	81.5	83.7	80.8	86.9
14	Filler (Against KDPC1 ©)	95.0	99.0	99.3	84.0	94.7	90.3	87.3	92.8	89.0	82.3	83.0	87.7	85.5	91.0
15	VL Amber Popcorn (C)	93.7	96.7	93.0	78.3	96.3	89.0	87.7	90.7	86.7	80.0	73.5	84.0	81.0	87.9
	Location Mean	93.3	96.6	94.9	79.4	97.0	88.5	86.5	90.9	87.0	78.7	79.3	86.2	82.8	88.9
	CV (%)	1.2	1.7	3.1	2.8	1.5	1.6	2.1	2.1	0.9	3.5	4.8	1.8	2.7	2.2
	F (Prob)	0.00	0.00	0.34	0.21	0.23	0.35	0.00	0.00	0.00	0.02	0.33	0.04	0.00	0.00
	CD (5%)	1.9	2.8	4.9	3.7	2.4	2.3	3.0	1.2	1.4	4.6	6.7	2.6	1.9	0.7
	CD (1%)	2.6	3.7	6.6	5.0	3.2	3.2	4.1	1.5	1.9	6.2	9.3	3.6	2.5	0.9

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TABLE No. 18: (Contd.)

Popping(%)

E No.	Hyb. Name				Popping(%)						Popping(%)		
		Dharwad	IARI	Mean	Dharwad	IARI	Mean	Dharwad	IARI	Mean	Dharwad	IARI	Mean
1	BPCH 415042	86	90	88	17	14	15	415	250	333	25	20	23
2	Zea Maize DZ 50	65	72	69	12	14	13	175	313	244	20	22	21
3	IHPC-1203	82	87	85	22	19	20	325	193	259	23	23	23
4	REPCH 2015-1	86	93	89	26	19	22	335	193	264	25	19	22
5	IMHP-1535	90	86	88	17	17	17	360	233	297	20	17	18
6	REPCH 2015-2	75	80	77	22	24	23	325	123	224	24	23	23
7	Shalimar Popcorn -1	80	89	85	37	14	25	350	173	262	25	18	21
8	MPC 1-15	87	90	89	15	13	14	290	250	270	14	17	15
9	IMHP-1540	93	93	93	22	19	21	260	267	263	26	23	25
10	APCH-1	91	88	89	16	12	14	360	200	280	20	19	20
11	SJPCI	83	88	85	16	14	15	190	150	170	20	22	21
12	IHPC-1201	92	85	89	20	15	18	375	243	309	23	19	21
13	DPCH-316	86	86	86	19	19	19	375	183	279	18	18	18
14	Filler (Against KDPC1 ©	43	43	43	40	35	38	150	28	89	30	30	30
15	VL Amber Popcorn (C)	87	92	90	15	15	15	325	267	296	14	18	16

TABLE No. 18: (Contd.)		Plant Height(cm)							
Sl. No.	Entry Name	NHZ			NWPZ				
		Bajaura	Imphal	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH-1	186.7	126.4	164.2	172.0	178.3	161.7	226.3	184.6
2	BPCH 415042	195.0	130.6	170.6	178.8	204.3	166.7	214.3	191.0
3	DPCH-306	201.7	132.8	174.2	182.7	205.0	161.7	208.3	189.4
4	IHPC-1201	188.3	135.7	172.1	182.0	190.3	161.7	206.7	185.2
5	IHPC-1203	190.0	140.9	172.9	196.0	190.0	191.7	221.7	199.8
6	IMHP-1535	168.3	111.8	148.0	169.5	177.7	160.0	211.3	179.6
7	IMHP-1540	181.7	126.5	160.0	176.3	170.7	155.0	209.7	177.9
8	MPC 1-15	193.3	124.7	166.5	187.5	196.3	175.0	192.7	187.9
9	REPCH 2015-1	203.0	150.3	180.4	183.9	189.3	190.0	210.3	193.4
10	REPCH 2015-2	200.0	158.3	184.9	207.3	211.7	196.7	228.7	211.1
11	SJPCI	223.3	161.7	192.9	189.1	200.3	203.3	241.3	208.5
12	Shalimar Popcorn -1	200.0	146.7	180.7	179.3	203.3	166.7	210.7	190.0
13	Zea Maize DZ 50	163.3	102.0	141.5	136.6	152.7	101.7	167.0	139.5
14	Filler (Against KDPC1 ©)	200.7	140.6	181.3	164.0	201.7	178.3	222.7	191.7
15	VL Amber Popcorn (C)	181.7	108.9	146.1	170.3	179.7	150.0	169.7	167.4
	Location Mean	191.8	133.2	169.1	178.3	190.1	168.0	209.4	186.5
	CV (%)	7.9	11.4	8.5	4.5	8.3	9.2	6.1	7.2
	F (Prob)	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00
	CD (5%)	25.5	25.5	13.5	13.5	26.2	25.8	21.4	10.8
	CD (1%)	34.4	34.4	17.9	18.3	35.4	34.8	28.9	14.3

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TABLE No. 18: (Contd.)		Plant Height(cm)															
Sl. No.	Entry Name	NEPZ								PZ							
		Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3	Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH-1	152.9	155.0	154.7	185.1	144.1	165.0	167.5	160.6	166.9	174.0	175.4	151.0	163.3	220.3	246.7	185.4
2	BPCH 415042	139.9	157.7	154.7	180.5	152.9	151.3	162.5	157.1	152.6	193.0	182.7	144.3	171.7	221.7	255.0	188.7
3	DPCH-306	154.7	157.3	147.3	183.1	138.3	155.7	163.3	157.1	164.0	180.3	187.1	150.7	151.7	224.3	228.3	183.8
4	IHPC-1201	173.1	156.7	151.7	181.4	147.1	159.7	162.5	161.7	160.8	183.7	181.7	151.7	185.0	217.0	256.7	190.9
5	IHPC-1203	179.1	157.0	146.7	180.2	155.5	159.0	168.3	163.7	156.3	184.0	197.3	150.3	175.0	211.3	251.7	189.4
6	IMHP-1535	143.6	157.3	138.7	179.4	121.9	150.3	145.8	148.2	170.4	166.3	168.7	133.7	161.7	199.3	220.0	174.3
7	IMHP-1540	143.0	160.3	134.7	180.8	129.7	151.3	157.5	151.1	156.4	179.0	190.6	152.3	156.7	204.0	245.0	183.4
8	MPC 1-15	157.9	161.7	147.3	180.0	145.7	163.0	170.0	160.8	168.2	189.3	184.4	151.0	165.0	225.3	255.0	191.2
9	REPCH 2015-1	176.7	152.7	138.7	182.9	141.6	157.0	165.8	159.4	158.6	182.7	181.7	137.7	201.7	228.7	226.7	188.2
10	REPCH 2015-2	165.7	154.3	161.7	178.4	169.3	177.0	189.2	170.8	158.0	188.3	196.1	163.3	198.3	242.7	258.3	200.7
11	SJPCI	215.6	157.7	160.0	176.3	167.9	188.3	198.3	180.6	180.4	209.0	203.4	173.7	195.0	240.3	271.7	210.5
12	Shalimar Popcorn -1	165.7	156.7	141.7	184.6	142.9	151.7	161.7	157.8	166.1	185.3	178.1	142.7	156.7	224.3	248.3	185.9
13	Zea Maize DZ 50	108.7	153.0	123.7	188.1	125.1	111.7	118.3	132.7	147.4	157.0	173.5	126.7	145.0	184.0	210.0	163.4
14	Filler (Against KDPC1 ©)	155.1	159.3	130.7	179.2	138.3	160.0	176.7	157.0	162.7	193.0	179.5	142.7	193.3	212.7	225.0	187.0
15	VL Amber Popcorn (C)	126.6	155.3	142.3	184.9	120.1	143.3	145.0	145.4	157.7	166.0	164.4	140.0	153.3	213.0	231.7	175.2
	Location Mean	157.2	156.8	145.0	181.7	142.7	156.3	163.5	157.6	161.8	182.1	183.0	147.4	171.6	217.9	242.0	186.5
	CV (%)	10.0	2.8	9.4	3.6	5.7	5.0	5.9	6.4	8.4	6.4	5.6	5.4	11.3	4.6	5.5	6.8
	F (Prob)	0.00	0.51	0.08	0.77	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.01	0.00	0.00	0.00
	CD (5%)	26.3	7.4	22.8	10.8	13.5	13.1	16.2	6.2	22.6	19.4	17.2	13.2	32.3	16.8	22.3	7.8
	CD (1%)	35.5	10.0	30.8	14.6	18.3	17.7	21.9	8.1	30.5	26.2	23.3	17.8	43.6	22.6	30.1	10.2

TABLE No. 18: (Contd.)		Plant Height(cm)					
Sl. No.	Entry Name	CWZ					Zone All In
		Ambikapur	Banswara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	
1	APCH-1	194.4	156.7	153.3	115.0	154.9	170.9
2	BPCH 415042	210.9	173.3	161.8	131.7	169.4	175.0
3	DPCH-306	205.3	166.7	160.0	130.0	165.5	173.1
4	IHPC-1201	211.5	160.0	160.0	143.3	168.7	176.0
5	IHPC-1203	214.1	175.0	154.2	140.0	170.8	178.9
6	IMHP-1535	193.5	175.0	165.8	138.3	168.2	163.7
7	IMHP-1540	200.7	166.7	155.0	116.7	159.8	166.9
8	MPC 1-15	224.1	181.7	152.5	151.7	177.5	177.0
9	REPCH 2015-1	204.9	153.3	158.3	143.3	165.0	176.3
10	REPCH 2015-2	239.9	183.3	157.5	150.0	182.7	189.2
11	SJPCI	236.9	191.7	165.0	136.7	182.6	195.2
12	Shalimar Popcorn -1	208.7	186.7	163.3	140.0	174.7	176.3
13	Zea Maize DZ 50	198.5	146.7	150.0	116.7	153.0	146.7
14	Filler (Against KDPC1 ©)	213.3	168.3	163.3	133.3	169.6	175.9
15	VL Amber Popcorn (C)	198.9	153.3	157.5	103.3	153.3	158.6
	Location Mean	210.4	169.2	158.5	132.7	167.7	173.5
	CV (%)	6.1	13.2	4.5	12.4	9.7	7.5
	F (Prob)	0.00	0.41	0.56	0.04	0.00	0.00
	CD (5%)	21.6	37.3	12.4	27.6	14.1	4.2
	CD (1%)	29.1	50.3	17.3	37.2	18.7	5.5

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TABLE No. 18: (Contd.)		Ear Height(cm)							
Sl. No.	Entry Name	NHZ			NWPZ				
		Bajaura	Imphal	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH-1	113.3	39.1	85.6	107.2	94.7	95.0	120.0	104.2
2	BPCH 415042	120.0	33.0	83.5	103.9	119.7	105.0	113.3	110.5
3	DPCH-306	111.7	34.9	82.3	98.9	111.7	93.3	100.3	101.1
4	IHPC-1201	101.7	34.0	80.3	98.8	111.7	88.3	100.0	99.7
5	IHPC-1203	106.7	37.6	79.9	106.8	94.3	108.3	116.7	106.5
6	IMHP-1535	97.7	35.9	76.0	95.1	100.0	91.7	107.3	98.5
7	IMHP-1540	95.0	31.9	72.9	95.2	105.7	90.0	102.3	98.3
8	MPC 1-15	120.0	27.9	81.3	101.6	113.3	106.7	93.0	103.7
9	REPCH 2015-1	118.3	38.1	86.5	101.3	106.7	105.0	107.0	105.0
10	REPCH 2015-2	106.7	44.9	86.9	109.7	117.7	105.0	118.0	112.6
11	SJPCI	128.3	44.5	90.3	103.7	116.7	125.0	125.3	117.7
12	Shalimar Popcorn -1	118.3	39.8	88.9	98.1	116.0	98.3	104.7	104.3
13	Zea Maize DZ 50	75.0	23.9	58.5	73.3	84.3	63.3	74.7	73.9
14	Filler (Against KDPC1 ©)	110.0	33.7	82.3	93.1	128.0	98.3	103.0	105.6
15	VL Amber Popcorn (C)	105.0	33.6	68.8	93.4	104.0	93.3	82.0	93.2
	Location Mean	108.5	35.5	80.3	98.7	108.3	97.8	104.5	102.3
	CV (%)	14.2	17.1	15.2	5.1	12.1	13.8	7.4	10.2
	F (Prob)	0.04	0.02	0.00	0.00	0.03	0.01	0.00	0.00
	CD (5%)	25.7	10.1	11.5	8.4	21.9	22.5	12.9	8.5
	CD (1%)	34.7	13.7	15.2	11.4	29.5	30.4	17.4	11.2

TABLE No. 18: (Contd.)		Ear Height(cm)															
Sl. No.	Entry Name	NEPZ								PZ							
		Baharaich	Bhubaneswar	Dholi	Kalyani	Ranchi	Sabour	Varanasi	Zone3	Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH-1	70.0	73.3	82.0	61.2	73.3	82.3	108.3	81.4	91.9	91.7	74.9	82.7	106.7	117.7	136.7	100.3
2	BPCH 415042	56.2	75.7	74.3	58.7	71.4	68.7	93.3	74.1	75.6	95.7	74.5	76.3	93.3	111.7	131.7	94.1
3	DPCH-306	69.6	73.7	64.3	50.6	61.6	69.0	89.2	69.4	87.7	89.0	69.4	73.7	70.0	116.0	125.0	90.1
4	IHPC-1201	64.2	72.7	76.0	61.0	65.9	72.0	87.5	73.8	79.3	89.0	68.5	73.7	101.7	101.0	138.3	93.1
5	IHPC-1203	61.2	76.0	70.0	56.9	74.4	82.0	94.2	75.8	77.9	88.3	83.9	70.3	103.3	105.0	145.0	96.3
6	IMHP-1535	61.3	72.7	72.0	76.8	55.6	78.0	85.8	77.1	67.3	83.7	70.9	63.3	93.3	103.0	116.7	85.5
7	IMHP-1540	48.5	75.3	62.3	67.4	57.9	70.3	79.2	70.9	72.4	90.7	77.9	68.7	63.3	101.3	130.0	86.3
8	MPC 1-15	74.3	74.3	71.7	59.3	65.3	74.0	90.8	74.0	78.5	95.3	72.3	73.3	91.7	107.0	145.0	94.7
9	REPCH 2015-1	77.8	72.0	69.3	64.0	60.9	79.3	95.8	76.1	81.3	88.0	73.5	62.3	115.0	117.3	142.7	97.2
10	REPCH 2015-2	69.5	76.7	85.7	75.8	73.0	87.0	107.5	86.5	81.8	94.3	80.0	77.3	110.0	128.0	148.3	102.8
11	SJPCI	96.5	72.3	75.0	54.6	193.1	90.7	103.3	79.2	87.4	103.7	91.3	90.3	110.0	127.0	156.7	109.5
12	Shalimar Popcorn -1	71.8	73.7	76.0	66.2	67.5	78.0	86.7	76.1	82.2	92.0	71.5	64.3	63.3	113.0	145.0	90.2
13	Zea Maize DZ 50	44.8	69.0	59.7	57.7	53.3	55.3	59.2	60.2	74.8	74.3	63.7	57.0	60.0	91.3	103.3	74.9
14	Filler (Against KDPC1 ©)	70.2	73.3	67.7	55.1	64.2	75.3	97.5	73.8	76.1	102.0	68.3	70.3	98.3	108.7	126.7	92.9
15	VL Amber Popcorn (C)	47.3	74.7	67.7	59.3	50.1	64.0	75.0	68.1	78.0	82.0	67.8	68.0	73.3	104.3	135.0	86.9
	Location Mean	65.6	73.7	71.6	61.6	72.5	75.1	90.2	74.4	79.5	90.6	73.9	71.4	90.2	110.2	135.1	93.0
	CV (%)	20.9	3.8	13.3	13.6	66.2	10.9	11.8	11.2	14.2	9.2	12.4	6.8	14.8	6.1	7.4	10.2
	F (Prob)	0.01	0.21	0.13	0.03	0.17	0.00	0.00	0.00	0.55	0.03	0.09	0.00	0.00	0.00	0.00	0.00
	CD (5%)	22.9	4.7	15.9	14.0	80.3	13.7	17.8	6.0	18.9	14.0	15.3	8.1	22.3	11.3	16.8	5.8
	CD (1%)	30.9	6.3	21.4	18.8	108.3	18.5	24.1	8.0	25.5	18.9	20.6	10.9	30.1	15.2	22.6	7.6

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TABLE No. 18: (Contd.)		Ear Height(cm)					
Sl. No.	Entry Name	CWZ					Zone All In
		Ambikapur	Banswara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	
1	APCH-1	73.8	78.3	53.3	60.0	66.4	89.1
2	BPCH 415042	77.7	98.3	61.7	60.0	74.4	87.8
3	DPCH-306	71.5	96.7	60.0	53.3	70.4	83.1
4	IHPC-1201	70.3	85.0	60.0	60.0	68.8	84.2
5	IHPC-1203	75.5	85.0	54.2	53.3	67.0	86.4
6	IMHP-1535	68.7	98.3	65.8	63.3	74.1	82.7
7	IMHP-1540	67.0	75.0	60.0	60.0	65.5	79.7
8	MPC 1-15	79.5	95.0	50.8	66.7	73.0	86.2
9	REPCH 2015-1	71.9	93.3	65.8	56.7	71.9	88.2
10	REPCH 2015-2	85.3	105.0	57.5	56.7	76.1	94.3
11	SJPCI	92.7	103.3	65.0	68.3	82.3	97.1
12	Shalimar Popcorn -1	76.1	96.7	63.3	63.3	74.9	86.7
13	Zea Maize DZ 50	67.1	60.0	50.0	48.3	56.4	66.2
14	Filler (Against KDPC1 ©)	75.2	85.0	61.7	63.3	71.3	85.8
15	VL Amber Popcorn (C)	73.8	81.7	57.5	51.7	66.2	78.0
	Location Mean	75.1	89.1	59.1	59.0	70.6	85.4
	CV (%)	9.8	17.8	11.7	20.3	16.2	11.9
	F (Prob)	0.01	0.10	0.42	0.78	0.00	0.00
	CD (5%)	12.3	26.5	12.1	20.0	10.0	3.4
	CD (1%)	16.6	35.7	16.8	27.0	13.2	4.5

TABLE No. 19: Trial SC-I-II-III

Green Ear Yield(kg/ha)

Sl. No.	Entry Name	Trial No.	Zone**	NHZ												NWPZ									
				Almora		Bajaura		Barapani		Imphal		Kangra		Zone1		Delhi		Karnal		Ludhiana		Pantnagar		Zone2	
				Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	ASKH-1	SCI	All	14877	7	13449	8	2069	8	10417	3	16569	5	13828	6	16458	5	9256	10	18299	5	13333	6	14337	6
2	ASKH-4	SCIII	All	14815	8	13496	7	1339	12	8688	8	7861	14	11215	10	14583	8	10701	8	20278	4	12083	9	14411	5
3	ASKH-61	SCI	All	13272	9	11284	9	1506	10	14646	1	9135	12	12084	8	13333	9	9730	9	16458	7	13667	4	13297	9
4	BIO 4043	SCII	III	16049	6	16008	5	4918	4	6605	13	12732	9	12848	7	13264	10	12411	3	15833	8	13444	5	13738	8
5	BSCH 6	SCIII	All	13210	10	10155	10	1417	11	8917	7	14924	7	11801	9	11111	12	10803	7	14236	9	11861	10	12003	11
6	FSCH 75	SCIII	I,III,IV,V	10802	15	9851	11	3465	6	8542	9	12033	10	10307	12	7465	15	9170	11	10833	15	10111	14	9395	15
7	FSCH 98	SCI	All	12531	11	8828	14	1306	13	4850	15	13646	8	9964	14	9549	14	8391	13	12917	12	9694	15	10138	14
8	MITHAS	SCII	I,II	17099	3	14412	6	5812	2	9313	5	18035	2	14714	3	15625	6	13081	2	24306	1	13000	7	16503	3
9	Madhula	SCII	II	17099	3	16047	4	5949	1	7675	11	17261	3	14521	5	18021	2	10845	6	17639	6	12500	8	14751	4
10	NSCH-130	SCI	All	16667	5	16455	3	2503	7	9688	4	15511	6	14580	4	15486	7	11858	4	13514	10	14972	2	13958	7
11	Nuzi 260	SCI	All	17469	2	20284	1	3781	5	7700	10	16760	4	15553	1	19479	1	13468	1	21438	3	16306	1	17673	1
12	Madhuri Sweet Corn (C)	SC	All	12222	12	9732	12	1059	14	9146	6	9626	11	10182	13	17014	4	7922	15	13403	11	10250	13	12147	10
13	Misthi (C)	SC	All	17531	1	17186	2	5034	3	7196	12	18647	1	15140	2	17431	3	11023	5	22986	2	14556	3	16499	2
14	Priya Sweet Corn (C)	SC	All	11420	13	9499	13	1602	9	11875	2	8639	13	10358	11	10278	13	8899	12	11875	14	11056	11	10527	13
15	WOSC (C)	SC	All	11235	14	7702	15	970	15	5771	14	7658	15	8092	15	11563	11	8232	14	12604	13	10611	12	10752	12
	Location Mean			14420	.	12959	.	2849	.	8735	.	13269	.	12346	.	14044	.	10386	.	16441	.	12496	.	13342	.
	CV (%)			8.9	.	15.9	.	71.3	.	26.8	.	23.1	.	18.5	.	10.3	.	13.4	.	20.8	.	14.1	.	15	.
	F (Prob)			0.00	.	0.00	.	0.02	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0	.
	CD (5%)			2153	.	3452	.	3398	.	3910	.	5135	.	1845	.	2409	.	2335	.	5707	.	2937	.	3347	.
	CD (1%)			2904	.	4656	.	4584	.	5274	.	6927	.	2440	.	3249	.	3150	.	7699	.	3962	.	4515	.

Note: **In rest of the zones, the test entry has been replaced with filler to constitute uniform trials across country
Locations with CV above 25% in Zone 2,3,4 and above 30% in Zone 1 and 5 have been excluded from Zonal Mean

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TABLE No. 19: (Contd.)

Green Ear Yield(kg/ha)

Sl. No.	Entry Name	NEPZ														PZ															
		Baharaich		Bhubaneswar		Dholi		Kalyani		Sabour		Varanasi		Zone3		Coimbatore		Dharwad		Hyderabad		Karimnagar		Kolhapur		Mandya		Rahuri		Zone4	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	ASKH-1	13299	9	9167	12	3917	8	11014	3	9692	8	11632	3	11160	9	11844	7	14854	7	10729	9	11336	9	15188	4	11628	15	16076	10	13488	9
2	ASKH-4	16667	3	13090	3	5639	2	10622	5	11672	3	10035	6	13459	3	12695	5	14465	8	11910	6	15162	2	10128	14	12868	11	19691	7	14168	7
3	ASKH-61	14444	6	10972	7	5333	4	8601	14	9853	6	11285	5	11339	8	11694	10	15326	6	10694	10	9727	12	11955	11	13188	8	20764	5	13776	8
4	BIO 4043	18299	1	13819	2	4333	6	10285	6	9741	7	8958	7	14134	1	12736	4	17993	5	14896	1	14503	5	15528	3	14906	4	21305	4	16162	4
5	BSCH 6	8681	15	10833	9	1778	13	10097	7	7563	10	5660	11	9870	13	11292	14	13243	10	10972	8	13256	7	11899	12	11861	14	16247	9	12966	10
6	FSCH 75	9757	14	8854	13	1833	11	10069	8	4706	15	5486	14	9560	15	11528	12	10319	15	9410	12	9126	13	13490	6	13104	10	14767	12	12056	13
7	FSCH 98	10035	13	7778	15	2139	10	12552	1	5546	12	4896	15	10122	12	11601	11	11493	14	5729	15	7571	15	9733	15	12299	13	15972	11	11445	14
8	MITHAS	14236	7	12951	4	5389	3	9250	12	13465	1	11354	4	12146	7	13465	3	21458	2	13125	4	14772	4	12490	9	16288	1	22986	2	16910	2
9	Madhula	14028	8	11701	5	4083	7	10767	4	10332	4	7847	8	12166	6	11809	8	19292	3	14167	2	14984	3	13323	7	14931	3	19792	6	15688	5
10	NSCH-130	12743	10	11111	6	2861	9	9962	9	9066	9	7361	9	11272	5	14208	1	12118	11	11319	7	14186	6	13868	5	14021	6	18681	8	14514	6
11	Nuzi 260	17604	2	14271	1	8361	1	9604	11	9876	5	14583	1	13826	2	14167	2	21722	1	13889	3	16277	1	19177	1	14417	5	23333	1	18182	1
12	Madhuri Sweet Corn (C)	14965	5	7813	14	1556	14	8667	13	5073	14	5660	12	10481	11	11795	9	11618	13	6910	14	7591	14	10576	13	13174	9	13679	14	11406	15
13	Misthi (C)	16597	4	10868	8	5222	5	9875	10	11836	2	14097	2	12447	4	12615	6	18736	4	12500	5	13172	8	17378	2	13757	7	22014	3	16279	3
14	Priya Sweet Corn (C)	11181	11	9549	11	1806	12	8288	15	5134	13	5486	13	9672	14	11372	13	13576	9	9861	11	10811	10	13014	8	12517	12	13271	15	12427	12
15	WOSC (C)	10451	12	9826	10	1278	15	11212	2	6553	11	6146	10	10497	10	11122	15	12042	12	9028	13	10304	11	12451	10	15243	2	13681	13	12474	11
	Location Mean	13532	.	10840	.	3702	.	10058	.	8674	.	8699	.	11477	.	12263	.	15217	.	11009	.	12185	.	13347	.	13613	.	18151	.	14129	.
	CV (%)	21.8	.	14.2	.	33.3	.	18.7	.	33.1	.	30.2	.	18	.	9.2	.	10.0	.	26.8	.	21.6	.	22.8	.	10.4	.	6.9	.	13	.
	F (Prob)	0.00	.	0.00	.	0.00	.	0.44	.	0.01	.	0.00	.	0	.	0.02	.	0.00	.	0.03	.	0.00	.	0.04	.	0.01	.	0.00	.	0	.
	CD (5%)	4927	.	2511	.	2059	.	3152	.	4797	.	4394	.	3530	.	1886	.	2541	.	4936	.	4393	.	5095	.	2362	.	2103	.	3063	.
	CD (1%)	6646	.	3332	.	2778	.	4253	.	6472	.	5927	.	4743	.	2544	.	3427	.	6658	.	5926	.	6874	.	3187	.	2837	.	4132	.

TABLE No. 19: (Contd.)		Green Ear Yield(kg/ha)													
Sl. No.	Entry Name	CWZ												All India	
		Ambikapur		Banswara		Chindwara		Godhra		Udaipur		Zone5		Mean	R
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R		
1	ASKH-1	8611	10	4813	13	12392	10	4861	1	7049	10	9350	10	12432	9
2	ASKH-4	11944	6	7288	4	13100	9	3229	12	9063	4	11369	8	12925	7
3	ASKH-61	13507	3	6701	9	15311	3	3403	10	8438	8	12419	3	12583	8
4	BIO 4043	9479	9	6479	10	17300	2	4306	4	9063	4	11947	4	13766	5
5	BSCH 6	9653	8	7007	6	10917	12	2882	15	7188	9	9252	11	11179	10
6	FSCH 75	7188	12	4722	14	10889	13	3056	13	5590	14	7889	13	9841	15
7	FSCH 98	8264	11	23528	1	14383	4	3438	8	5642	13	9430	9	10219	11
8	MITHAS	12396	4	7837	2	13653	7	3715	6	8576	6	11542	6	14363	3
9	Madhula	12014	5	6274	11	13775	6	4132	5	9983	3	11924	5	13810	4
10	NSCH-130	11806	7	6851	7	14242	5	3264	11	8507	7	11518	7	13168	6
11	Nuzi 260	18125	1	7361	3	19817	1	3438	8	14236	1	17393	1	16525	1
12	Madhuri Sweet Corn (C)	6007	15	5208	12	9153	15	3542	7	4583	15	6581	15	10159	12
13	Misthi (C)	14792	2	7247	5	13206	8	4583	3	11042	2	13013	2	14675	2
14	Priya Sweet Corn (C)	6215	14	4722	15	9789	14	2917	14	6042	11	7349	14	10067	13
15	WOSC (C)	7014	13	6719	8	11867	11	4722	2	5729	12	8203	12	10003	14
	Location Mean	10468	.	7517	.	13319	.	3699	.	8049	.	10612	.	12381	.
	CV (%)	21.6	.	115.4	.	17.7	.	34.2	.	18.7	.	19.1	.	17	.
	F (Prob)	0.00	.	0.64	.	0.00	.	0.65	.	0.00	.	0.00	.	0	.
	CD (5%)	3789	.	14504	.	3940	.	2118	.	2513	.	1900	.	2737	.
	CD (1%)	5112	.	19565	.	5315	.	2858	.	3390	.	2519	.	3670	.

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TABLE No. 19: Trial SC-I-II-III		Cob weight without husk(kg/ha)																	
Sl. No.	Entry Name	NHZ										NWPZ							
		Almora		Barapani		Imphal		Kangra		Zone1		Delhi		Karnal		Pantnagar		Zone2	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	ASKH-1	10432	8	1127	8	5204	3	12929	5	9522	5	12674	3	6414	10	9750	5	9613	7
2	ASKH-4	10556	7	919	10	4342	8	6196	14	7031	12	11215	7	7266	4	8583	9	9022	8
3	ASKH-61	9136	9	731	13	7321	1	6967	12	7808	9	10521	10	6473	9	10000	4	8998	9
4	BIO 4043	12346	3	3213	4	3296	13	9594	10	8412	7	10938	8	8701	3	9694	6	9778	5
5	BSCH 6	9074	10	824	11	4458	7	11389	6	8307	8	8542	11	7093	8	8583	9	8073	11
6	FSCH 75	7716	15	2094	6	4267	9	10094	9	7359	11	6076	15	5913	11	7444	13	6478	14
7	FSCH 98	8951	11	735	12	2429	15	10865	7	7415	10	7500	12	5805	12	7139	15	6815	13
8	MITHAS	11975	5	3710	2	4654	5	15276	2	10635	2	11840	6	9238	1	9361	7	10146	2
9	Madhula	12037	4	3981	1	3838	11	14176	3	10017	3	13229	2	7201	5	9139	8	9856	4
10	NSCH-130	11728	6	1517	7	4842	4	10582	8	9051	6	10764	9	7142	7	11028	2	9645	6
11	Nuzi 260	12469	2	2406	5	3846	10	13193	4	9836	4	13264	1	9088	2	12611	1	11654	1
12	Madhuri Sweet Corn (C)	8704	12	589	14	4571	6	7665	11	6980	13	12292	5	5623	14	7278	14	8398	10
13	Misthi (C)	12593	1	3366	3	3596	12	15868	1	10685	1	12361	4	7173	6	10500	3	10011	3
14	Priya Sweet Corn (C)	8210	13	975	9	5938	2	6698	13	6948	14	7188	14	5763	13	7861	11	6937	12
15	WOSC (C)	7963	14	536	15	2883	14	5776	15	5541	15	7292	13	4590	15	7472	12	6451	15
	Location Mean	10259	.	1781	.	4366	.	10485	.	8370	.	10380	.	6899	.	9096	.	8792	.
	CV (%)	9.5	.	79.5	.	26.8	.	26.1	.	20.9	.	11.4	.	11.6	.	16.8	.	13.7	.
	F (Prob)	0.00	.	0.03	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.	0.00	.
	CD (5%)	1622	.	2367	.	1955	.	4572	.	1642	.	1972	.	1339	.	2551	.	1130	.
	CD (1%)	2187	.	3194	.	2637	.	6167	.	2176	.	2660	.	1807	.	3441	.	1497	.

TABLE No. 19: (Contd.)

Cob weight without husk(kg/ha)

Sl. No.	Entry Name	NEPZ										PZ										CWZ		All India					
		Baharaich		Dholi		Sabour		Varanasi		Zone3		Coimbatore		Hyderabad		Karimnagar		Kolhapur		Mandya		Rahuri		Zone 4		Godhra		All India	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	ASKH-1	8333	9	3069	8	7646	5	8472	3	8403	6	8623	8	9097	7	7573	9	11424	3	8979	13	12524	9	9703	8	3125	1	10015	7
2	ASKH-4	11458	4	4806	2	8612	3	7153	6	9306	4	9071	4	10069	3	10976	2	7333	14	8951	14	13973	8	10062	7	1563	15	9833	9
3	ASKH-61	12257	3	4472	4	7450	6	8333	4	10295	2	8583	10	8090	9	6443	12	9118	9	9438	10	15403	4	9512	9	2465	7	10626	5
4	BIO 4043	14028	1	3583	6	8113	4	6250	7	10139	3	9005	5	10451	2	9763	6	11125	4	10278	5	15377	5	11000	3	2639	4	10926	4
5	BSCH 6	5590	15	1500	12	5560	10	3924	14	4757	14	8284	13	8021	11	8621	8	8201	11	9243	11	11358	11	8955	10	2083	12	8124	10
6	FSCH 75	6076	14	1556	11	3467	15	3958	13	5017	12	8594	9	5521	13	5608	14	9354	8	9618	9	10685	12	8230	13	2083	12	7385	13
7	FSCH 98	6285	13	1722	10	4163	12	3333	15	4809	13	8428	11	3958	15	5835	13	6677	15	8590	15	12313	10	7633	14	2153	10	7838	11
8	MITHAS	9340	7	4486	3	10258	1	8299	5	8819	5	9695	2	9896	4	10719	3	7990	12	12194	1	17188	2	11280	2	2535	6	11697	2
9	Madhula	9583	6	3278	7	7310	7	5417	8	7500	7	8304	12	10486	1	10563	4	9681	7	11420	2	14222	6	10779	5	2465	8	10399	6
10	NSCH-130	8368	8	2111	9	6696	9	5347	9	6858	8	9676	3	9549	6	9955	5	10035	5	10135	7	14132	7	10580	6	2257	9	9921	8
11	Nuzi 260	13403	2	6667	1	7182	8	10486	1	11944	1	10059	1	9792	5	11254	1	14285	1	10563	3	17701	1	12276	1	2708	3	12784	1
12	Madhuri Sweet Corn (C)	7083	11	1194	14	3883	14	4167	11	5625	9	8789	7	4306	14	4953	15	7885	13	10149	6	9583	15	7611	15	2153	10	7646	12
13	Misthi (C)	10625	5	4278	5	9342	2	9653	2	10139	3	8936	6	8611	8	9260	7	12375	2	10521	4	15906	3	10935	4	2813	2	11685	3
14	Priya Sweet Corn (C)	7118	10	1222	13	3898	13	4028	12	5573	10	8188	14	5625	12	7556	10	9885	6	9135	12	9854	13	8374	12	1875	14	7328	14
15	WOSC (C)	6806	12	972	15	4406	11	4271	10	5538	11	8174	15	8056	10	7298	11	8813	10	9837	8	9826	14	8667	11	2604	5	6839	15
	Location Mean	9090	.	2994	.	6532	.	6206	.	7648	.	8827	.	8102	.	8425	.	9612	.	9937	.	13336	.	9707	.	2368	.	9287	.
	CV (%)	30.8	.	33.2	.	34.5	.	29.7	.	10.3	.	8.6	.	22.9	.	24.4	.	24.6	.	11.3	.	10.1	.		.	38.4	.	15.2	.
	F (Prob)	0.01	.	0.00	.	0.01	.	0.00	.	0.00	.	0.10	.	0.00	.	0.00	.	0.04	.	0.03	.	0.00	.		.	0.86	.	0.00	.
	CD (5%)	4688	.	1662	.	3770	.	3083	.	1037	.	1276	.	3106	.	3434	.	3962	.	1883	.	2257	.		.	1520	.	754	.
	CD (1%)	6324	.	2242	.	5086	.	4159	.	1374	.	1721	.	4191	.	4633	.	5344	.	2541	.	3044	.		.	2050	.	994	.

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TABLE No. 19: Trial SC-I-II-III Plant Stand('000/ha)												
Sl. No.	Entry Name	NHZ						NWPZ				
		Almora	Bajaura	Barapani	Imphal	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ASKH-1	61.7	79.4	46.4	124.2	73.6	84.7	50.0	65.8	65.3	62.2	60.8
2	ASKH-4	61.7	77.8	28.5	105.8	71.5	79.2	50.4	65.8	72.9	59.2	62.1
3	ASKH-61	61.7	60.0	29.9	113.8	72.9	77.1	49.7	66.4	66.3	60.0	60.6
4	BIO 4043	63.6	76.7	41.0	120.0	76.4	84.2	46.5	65.8	61.1	60.3	58.4
5	BSCH 6	62.4	56.7	32.6	97.1	73.6	72.4	47.9	66.1	64.2	56.4	58.7
6	FSCH 75	61.7	67.8	46.2	121.3	78.5	82.3	49.0	66.7	61.1	59.2	59.0
7	FSCH 98	59.9	50.0	29.9	101.7	70.1	70.4	52.4	66.1	63.5	56.7	59.7
8	MITHAS	62.4	68.3	48.6	102.1	74.3	76.8	49.3	65.8	67.0	58.3	60.1
9	Madhula	64.2	63.3	54.2	119.2	75.0	80.4	50.0	65.8	72.2	57.5	61.4
10	NSCH-130	62.4	74.4	49.0	98.3	72.9	77.0	49.7	66.7	65.3	60.0	60.4
11	Nuzi 260	63.6	67.8	37.2	100.8	72.9	76.3	50.7	66.7	67.0	61.4	61.4
12	Madhuri Sweet Corn (C)	58.6	58.9	28.8	89.6	74.3	70.4	48.6	65.8	61.1	58.9	58.6
13	Misthi (C)	63.0	83.3	46.5	130.8	75.7	88.2	49.3	65.8	67.0	63.1	61.3
14	Priya Sweet Corn (C)	58.6	54.4	40.3	120.8	69.4	75.8	50.0	65.8	60.1	61.1	59.3
15	WOSC (C)	54.9	59.4	28.8	137.1	72.9	81.1	49.7	66.1	61.5	57.8	58.8
	Location Mean	61.4	66.6	38.8	112.2	73.6	78.4	49.5	66.1	65.1	59.5	60.0
	CV (%)	5.5	18.9	31.0	20.7	4.9	16.9	3.1	1.1	7.1	4.7	4.6
	F (Prob)	0.16	0.07	0.13	0.42	0.31	0.00	0.04	0.77	0.04	0.19	0.00
	CD (5%)	5.7	21.0	20.2	38.9	6.0	10.7	2.6	1.2	7.7	4.7	2.3
	CD (1%)	7.6	28.4	27.2	52.4	8.1	14.2	3.4	1.6	10.4	6.3	3.0

TABLE No. 19: (Contd.)

Plant Stand('000/ha)

Sl. No.	Entry Name	NEPZ							PZ							
		Baharaich Mean	Bhubaneswar Mean	Dholi Mean	Kalyani Mean	Sabour Mean	Varanasi Mean	Zone3 Mean	Coimbatore Mean	Dharwad Mean	Hyderabad Mean	Karimnagar Mean	Kolhapur Mean	Mandya Mean	Rahuri Mean	Zone4 Mean
1	ASKH-1	67.4	76.0	49.7	66.7	64.6	59.0	63.9	63.2	71.9	66.0	67.7	81.9	70.5	78.8	71.4
2	ASKH-4	65.3	78.1	46.9	67.7	72.9	64.2	65.9	65.3	69.1	68.1	71.9	81.3	70.5	78.8	72.1
3	ASKH-61	64.2	72.9	45.8	65.3	70.1	60.4	63.1	63.9	69.1	52.4	66.3	81.6	68.4	81.9	69.1
4	BIO 4043	66.3	75.0	36.7	65.6	58.7	49.7	58.7	65.6	69.4	60.1	61.5	81.6	67.4	78.5	69.2
5	BSCH 6	66.3	74.0	28.3	64.6	62.2	47.6	57.2	63.2	51.7	56.3	63.5	81.6	67.7	69.8	64.8
6	FSCH 75	66.7	73.3	43.1	62.5	54.9	46.9	57.9	64.6	59.7	54.2	54.2	81.3	66.7	72.9	64.8
7	FSCH 98	65.3	72.9	38.3	58.3	60.4	44.4	56.6	63.9	58.0	41.3	50.4	80.9	72.9	75.7	63.3
8	MITHAS	67.7	76.0	36.7	65.6	66.3	54.5	61.2	63.9	58.3	64.9	74.3	81.6	74.0	78.5	70.8
9	Madhula	67.0	75.7	44.4	64.6	70.8	48.3	61.8	64.2	63.9	67.7	70.5	81.3	73.6	75.0	70.9
10	NSCH-130	67.7	75.0	24.7	66.0	62.9	55.2	58.6	65.3	44.8	65.6	70.1	80.9	68.8	73.3	67.0
11	Nuzi 260	66.7	77.1	38.1	63.5	67.4	53.5	61.0	65.3	59.0	56.3	58.7	81.3	67.0	78.8	66.6
12	Madhuri Sweet Corn (C)	64.9	72.9	26.1	55.2	55.9	49.3	54.1	63.5	56.3	47.6	52.8	80.9	70.8	67.4	62.8
13	Misthi (C)	63.9	73.6	41.1	66.7	68.4	59.7	62.2	64.2	66.3	65.6	68.4	80.9	72.2	81.3	71.3
14	Priya Sweet Corn (C)	66.0	73.3	32.5	53.1	59.4	50.4	55.8	63.5	63.9	54.9	67.0	80.2	69.8	77.8	68.2
15	WOSC (C)	67.0	73.3	33.6	66.7	63.2	49.0	58.8	64.9	66.0	61.5	65.3	81.9	71.5	75.7	69.5
	Location Mean	66.2	74.6	37.7	63.5	63.9	52.8	59.8	64.3	61.8	58.8	64.2	81.3	70.1	76.3	68.1
	CV (%)	4.1	3.2	14.1	7.2	14.5	12.3	8.3	2.0	12.5	13.5	10.0	1.3	5.1	7.6	8.1
	F (Prob)	0.84	0.00	0.00	0.01	0.44	0.02	0.00	0.31	0.01	0.01	0.00	0.88	0.24	0.18	0.00
	CD (5%)	4.5	3.9	8.9	7.7	15.5	10.9	3.2	2.1	13.0	13.2	10.7	1.8	6.0	9.7	3.4
	CD (1%)	6.1	5.2	12.0	10.3	20.8	14.7	4.3	2.9	17.5	17.9	14.5	2.4	8.1	13.1	4.4

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TABLE No. 19: (Contd.)		Plant Stand('000/ha)						
Sl. No.	Entry Name	CWZ						All India
		Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	
1	ASKH-1	66.7	58.3	65.3	49.0	56.6	59.2	67.8
2	ASKH-4	76.7	60.4	64.4	35.8	57.3	58.9	67.7
3	ASKH-61	78.8	59.4	64.7	39.9	44.1	57.4	65.4
4	BIO 4043	72.2	60.8	62.8	49.7	43.4	57.8	65.2
5	BSCH 6	69.8	59.7	51.7	29.5	44.1	51.0	60.6
6	FSCH 75	64.9	60.4	58.3	46.2	47.6	55.5	63.2
7	FSCH 98	68.4	58.0	58.9	37.5	48.3	54.2	60.6
8	MITHAS	77.8	61.5	60.6	38.9	49.3	57.6	65.3
9	Madhula	73.6	61.1	60.3	43.8	55.2	58.8	66.5
10	NSCH-130	77.1	59.7	57.8	34.4	49.0	55.6	63.4
11	Nuzi 260	84.7	60.4	64.2	35.8	49.3	58.9	64.5
12	Madhuri Sweet Corn (C)	61.1	56.6	51.1	49.3	30.6	49.7	58.8
13	Misthi (C)	80.6	59.4	63.3	45.8	70.1	63.9	68.8
14	Priya Sweet Corn (C)	62.5	58.7	60.6	46.2	44.1	54.4	62.5
15	WOSC (C)	65.3	60.1	63.3	46.2	54.9	57.9	65.0
	Location Mean	72.0	59.6	60.5	41.9	49.6	56.7	64.7
	CV (%)	6.5	3.2	9.9	28.8	20.7	13.9	11.3
	F (Prob)	0.00	0.22	0.13	0.64	0.04	0.00	0.00
	CD (5%)	7.8	3.2	10.0	20.2	17.2	5.7	2.3
	CD (1%)	10.6	4.3	13.5	27.2	23.2	7.5	3.0

TABLE No. 19: Trial SC-I-II-III Days to 50% Pollen Shed												
Sl. No.	Entry Name	NHZ						NWPZ				
		Almora	Bajaura	Barapani	Imphal	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ASKH-1	57.3	55.0	61.0	58.3	48.0	55.9	45.7	46.3	49.7	54.7	49.1
2	ASKH-4	61.3	57.0	62.3	61.0	49.0	58.1	49.0	49.3	51.3	56.7	51.6
3	ASKH-61	59.3	54.3	59.3	57.0	47.3	55.5	46.0	47.3	52.0	52.3	49.4
4	BIO 4043	66.0	59.3	63.0	61.3	52.7	60.5	50.0	48.7	51.7	54.7	51.3
5	BSCH 6	65.3	59.0	63.0	63.3	51.7	60.5	49.3	51.3	53.7	55.7	52.5
6	FSCH 75	61.7	57.0	60.0	59.0	50.3	57.6	49.7	48.3	51.3	53.7	50.8
7	FSCH 98	61.3	57.0	61.7	59.0	50.3	57.9	49.3	49.7	49.3	56.3	51.2
8	MITHAS	60.7	56.7	63.0	56.7	50.0	57.4	50.0	47.7	49.0	56.7	50.8
9	Madhula	61.7	56.7	63.3	60.7	49.0	58.3	49.3	47.0	52.3	56.0	51.2
10	NSCH-130	60.3	58.0	61.3	60.3	52.0	58.4	49.7	47.3	52.3	54.7	51.0
11	Nuzi 260	60.7	55.3	59.7	57.7	51.0	56.9	51.3	51.0	53.0	54.0	52.3
12	Madhuri Sweet Corn (C)	60.7	54.0	61.3	59.7	47.3	56.6	48.3	47.0	51.7	54.7	50.4
13	Misthi (C)	61.0	57.3	63.0	60.0	51.0	58.5	50.0	49.0	51.7	55.7	51.6
14	Priya Sweet Corn (C)	59.0	53.0	59.7	57.0	47.7	55.3	44.3	46.7	50.3	53.7	48.8
15	WOSC (C)	61.7	57.0	60.3	57.0	51.0	57.4	46.3	45.3	52.3	55.0	49.8
	Location Mean	61.2	56.4	61.5	59.2	49.9	57.6	48.6	48.1	51.4	55.0	50.8
	CV (%)	2.9	2.2	2.7	3.6	2.3	2.8	2.1	3.7	3.9	3.4	3.4
	F (Prob)	0.00	0.00	0.04	0.02	0.00	0.00	0.00	0.01	0.24	0.25	0.00
	CD (5%)	2.9	2.1	2.8	3.6	2.0	1.2	1.7	3.0	3.3	3.1	1.4
	CD (1%)	4.0	2.8	3.7	4.8	2.6	1.6	2.3	4.1	4.5	4.2	1.8

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TABLE No. 19: (Contd.)

Days to 50% Pollen Shed

Sl. No.	Entry Name	NEPZ							PZ							
		Baharaich	Bhubaneswar	Dholi	Kalyani	Sabour	Varanasi	Zone3	Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ASKH-1	47.3	50.3	50.3	41.7	55.7	53.0	49.7	51.7	54.0	54.3	50.7	49.3	48.7	46.3	50.7
2	ASKH-4	51.3	50.3	53.0	41.7	57.7	58.0	52.0	52.7	56.0	58.3	51.7	53.0	53.0	49.7	53.5
3	ASKH-61	48.7	50.7	51.0	41.3	55.0	55.3	50.3	52.7	54.7	55.7	49.7	51.0	50.3	48.7	51.8
4	BIO 4043	51.7	51.0	54.0	45.7	57.7	57.7	52.9	53.7	57.3	58.7	53.7	55.7	54.7	52.0	55.1
5	BSCH 6	53.3	51.0	56.0	43.0	63.0	59.7	54.3	54.0	57.7	58.7	53.0	54.7	55.0	51.7	55.0
6	FSCH 75	53.3	51.0	53.7	41.7	57.7	58.3	52.6	51.3	54.7	57.7	53.3	53.3	53.7	48.7	53.2
7	FSCH 98	51.7	50.3	55.0	44.0	59.0	59.7	53.3	53.0	54.7	58.0	51.3	53.0	53.3	49.0	53.2
8	MITHAS	48.7	49.7	51.3	41.7	57.0	56.7	50.8	52.0	56.0	56.3	51.7	53.0	54.0	48.3	53.1
9	Madhula	49.7	50.0	52.3	44.7	58.7	60.0	52.6	51.3	56.0	55.7	52.0	51.7	51.7	49.3	52.5
10	NSCH-130	52.0	49.3	53.0	43.7	58.0	57.3	52.2	53.3	56.3	56.3	50.0	53.0	48.3	49.3	52.4
11	Nuzi 260	53.3	50.7	55.0	44.3	57.7	57.3	53.1	52.0	56.0	57.0	52.3	53.7	53.7	49.3	53.4
12	Madhuri Sweet Corn (C)	53.0	50.3	52.0	42.0	54.7	58.0	51.7	51.0	54.0	53.7	55.3	49.3	48.7	45.3	51.1
13	Misthi (C)	53.0	51.3	54.0	45.0	57.0	58.3	53.1	54.0	56.0	55.0	54.0	53.0	54.3	50.7	53.9
14	Priya Sweet Corn (C)	51.0	48.7	52.3	41.7	51.0	56.3	50.2	48.0	54.0	52.7	53.3	49.7	48.7	45.0	50.2
15	WOSC (C)	51.3	49.0	53.3	42.3	56.7	58.7	51.9	51.7	54.7	53.3	52.0	50.3	48.0	47.7	51.1
	Location Mean	51.3	50.2	53.1	43.0	57.1	57.6	52.0	52.2	55.5	56.1	52.3	52.2	51.7	48.7	52.7
	CV (%)	3.4	2.1	1.7	3.4	2.6	2.2	2.5	1.9	1.3	3.2	5.0	1.5	4.2	2.2	3.1
	F (Prob)	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00
	CD (5%)	2.9	1.7	1.5	2.4	2.5	2.2	0.8	1.6	1.2	3.0	4.4	1.3	3.7	1.8	1.0
	CD (1%)	4.0	2.3	2.0	3.3	3.3	2.9	1.1	2.2	1.6	4.1	6.0	1.8	4.9	2.5	1.3

TABLE No. 19: (Contd.)		Days to 50% Pollen Shed						
Sl. No.	Entry Name	CWZ						All India Mean
		Ambikapur Mean	Banswara Mean	Chindwara Mean	Godhra Mean	Udaipur Mean	Zone5 Mean	
1	ASKH-1	49.0	48.7	52.0	54.7	54.3	51.7	51.4
2	ASKH-4	52.0	49.3	59.0	54.3	56.7	54.3	53.9
3	ASKH-61	48.7	48.3	57.3	54.0	55.0	52.7	52.0
4	BIO 4043	54.0	49.7	59.3	53.7	59.3	55.2	55.1
5	BSCH 6	54.3	47.7	58.7	54.7	59.0	54.9	55.5
6	FSCH 75	51.7	47.0	57.7	52.7	55.0	52.8	53.5
7	FSCH 98	51.3	47.0	56.7	52.7	55.0	52.5	53.7
8	MITHAS	52.0	48.7	58.3	54.3	55.3	53.7	53.2
9	Madhula	52.0	49.0	57.0	53.7	55.0	53.3	53.5
10	NSCH-130	52.7	49.3	57.0	54.0	57.0	54.0	53.6
11	Nuzi 260	52.7	50.0	59.0	53.3	55.7	54.1	54.0
12	Madhuri Sweet Corn (C)	47.3	48.3	55.0	53.3	52.0	51.2	52.2
13	Misthi (C)	52.7	48.0	59.0	54.7	56.0	54.1	54.3
14	Priya Sweet Corn (C)	46.3	46.7	52.7	54.3	51.3	50.3	50.9
15	WOSC (C)	48.0	48.3	55.3	54.3	54.7	52.1	52.4
	Location Mean	51.0	48.4	56.9	53.9	55.4	53.1	53.2
	CV (%)	1.9	2.3	1.9	2.7	2.5	2.3	2.8
	F (Prob)	0.00	0.02	0.00	0.81	0.00	0.00	0.00
	CD (5%)	1.6	1.9	1.8	2.4	2.3	0.9	0.5
	CD (1%)	2.1	2.5	2.5	3.3	3.2	1.2	0.6

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TABLE No. 19: Trial SC-I-II-III Days to 50% Silking												
Sl. No.	Entry Name	NHZ						NWPZ				
		Almora Mean	Bajaura Mean	Barapani Mean	Imphal Mean	Kangra Mean	Zone1 Mean	Delhi Mean	Karnal Mean	Ludhiana Mean	Pantnagar Mean	Zone2 Mean
1	ASKH-1	58.3	57.3	64.7	62.0	51.3	58.7	47.7	46.7	50.7	57.3	50.6
2	ASKH-4	62.7	60.0	65.7	65.3	52.3	61.2	51.3	50.7	52.3	59.7	53.5
3	ASKH-61	60.3	56.7	63.7	62.7	50.7	58.8	48.3	48.0	53.3	54.7	51.1
4	BIO 4043	67.0	61.7	65.7	65.3	56.0	63.1	52.3	50.0	53.3	57.3	53.3
5	BSCH 6	66.3	61.7	66.0	66.7	54.7	63.1	50.7	53.7	55.0	58.3	54.4
6	FSCH 75	62.0	59.7	63.3	62.0	53.3	60.1	49.3	49.3	52.3	56.0	51.8
7	FSCH 98	62.3	59.7	64.7	62.0	53.7	60.5	50.7	50.0	50.7	59.0	52.6
8	MITHAS	61.7	59.0	66.0	63.0	53.0	60.5	51.7	49.0	50.0	59.0	52.4
9	Madhula	63.0	60.0	66.7	63.3	52.3	61.1	51.7	48.3	53.7	58.7	53.1
10	NSCH-130	61.7	60.7	64.3	63.3	55.3	61.1	52.7	48.7	54.0	57.0	53.1
11	Nuzi 260	62.0	58.3	62.3	60.7	54.3	59.5	53.3	52.0	54.7	56.3	54.1
12	Madhuri Sweet Corn (C)	61.7	57.0	64.7	63.3	50.7	59.5	50.7	47.7	53.0	57.3	52.2
13	Misthi (C)	62.3	60.0	66.3	64.0	54.3	61.4	52.3	50.0	53.3	58.0	53.4
14	Priya Sweet Corn (C)	61.0	56.0	62.7	59.0	51.3	58.0	47.0	47.0	51.7	56.3	50.5
15	WOSC (C)	63.0	60.3	63.3	62.3	54.0	60.6	49.3	46.7	53.7	58.0	51.9
	Location Mean	62.4	59.2	64.7	63.0	53.2	60.5	50.6	49.2	52.8	57.5	52.5
	CV (%)	2.8	2.0	2.4	3.9	2.0	2.8	2.5	4.1	4.0	3.3	3.5
	F (Prob)	0.00	0.00	0.03	0.09	0.00	0.00	0.00	0.01	0.18	0.18	0.00
	CD (5%)	2.9	2.0	2.6	4.1	1.8	1.2	2.1	3.4	3.5	3.2	1.5
	CD (1%)	3.9	2.7	3.6	5.5	2.5	1.6	2.8	4.6	4.8	4.3	2.0

TABLE No. 19: (Contd.)

Days to 50% Silking

Sl. No.	Entry Name	NEPZ							PZ							
		Baharaich	Bhubaneswar	Dholi	Kalyani	Sabour	Varanasi	Zone3	Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ASKH-1	49.3	53.3	53.0	45.3	59.7	55.7	52.7	54.0	54.0	54.7	53.3	51.3	51.0	47.7	52.3
2	ASKH-4	53.0	53.3	54.7	45.3	61.3	60.0	54.6	56.3	58.0	60.7	54.7	55.0	57.3	51.3	56.2
3	ASKH-61	50.3	53.7	52.3	44.7	59.3	57.0	52.9	55.7	56.3	58.0	52.3	53.0	52.3	50.0	54.0
4	BIO 4043	53.0	54.0	55.0	49.0	61.7	59.7	55.4	56.3	59.0	60.3	56.7	57.7	58.0	53.7	57.4
5	BSCH 6	54.7	54.0	57.7	45.7	67.0	62.3	56.9	56.3	59.0	61.7	56.3	56.7	57.7	53.0	57.2
6	FSCH 75	54.7	54.0	54.0	45.7	62.3	60.7	55.2	54.3	54.7	60.0	56.3	55.3	57.0	49.0	55.2
7	FSCH 98	53.7	53.3	57.7	46.3	63.0	62.0	56.0	56.0	54.0	60.7	53.7	55.0	55.3	49.7	54.9
8	MITHAS	50.7	52.7	52.7	45.0	60.7	59.0	53.4	55.3	56.0	58.7	54.0	55.0	57.7	50.3	55.3
9	Madhula	51.7	53.0	53.7	48.0	64.7	62.7	55.6	53.7	56.0	58.3	54.7	53.7	53.7	51.3	54.5
10	NSCH-130	53.7	52.3	55.0	47.7	63.7	60.3	55.4	57.0	57.3	58.7	52.3	55.0	56.3	50.7	55.3
11	Nuzi 260	54.3	53.7	57.3	47.7	62.0	60.7	55.9	56.0	56.0	60.0	55.0	55.7	55.7	51.0	55.6
12	Madhuri Sweet Corn (C)	55.0	53.3	54.3	46.0	59.7	61.0	54.9	54.0	54.0	55.7	57.7	51.3	51.7	47.0	53.1
13	Misthi (C)	55.0	54.3	55.3	48.0	62.0	60.7	55.9	57.0	56.3	56.7	57.0	55.0	58.0	52.3	56.1
14	Priya Sweet Corn (C)	52.3	51.3	54.7	45.0	56.3	59.3	53.2	52.0	54.0	54.7	56.3	51.7	51.0	46.3	52.3
15	WOSC (C)	53.3	52.0	55.7	45.3	61.7	61.0	54.8	55.3	56.0	55.3	55.0	52.3	52.3	49.3	53.7
	Location Mean	53.0	53.2	54.9	46.3	61.7	60.1	54.9	55.3	56.0	58.3	55.0	54.2	55.0	50.2	54.9
	CV (%)	3.0	2.0	3.3	3.2	2.8	2.3	2.7	1.7	1.8	3.2	4.9	1.5	3.4	2.7	3.0
	F (Prob)	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00
	CD (5%)	2.7	1.7	3.1	2.5	2.9	2.3	0.9	1.6	1.7	3.1	4.5	1.3	3.2	2.3	1.0
	CD (1%)	3.6	2.3	4.1	3.4	3.9	3.1	1.2	2.2	2.2	4.1	6.0	1.8	4.2	3.1	1.3

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TABLE No. 19: (Contd.)		Days to 50% Silking						
Sl. No.	Entry Name	CWZ						All India
		Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ASKH-1	52.0	51.7	52.0	56.3	56.7	53.7	53.6
2	ASKH-4	54.7	52.7	60.0	56.3	59.3	56.6	56.4
3	ASKH-61	52.0	51.3	58.0	56.3	58.0	55.1	54.4
4	BIO 4043	56.7	52.7	59.3	55.3	61.7	57.1	57.4
5	BSCH 6	57.3	50.3	59.3	57.0	61.3	57.1	57.8
6	FSCH 75	54.0	50.7	58.3	55.0	56.7	54.9	55.6
7	FSCH 98	54.0	50.0	56.7	55.0	56.7	54.5	55.8
8	MITHAS	55.0	51.7	58.3	56.7	58.0	55.9	55.5
9	Madhula	55.0	52.7	58.3	56.0	57.7	55.9	56.0
10	NSCH-130	55.7	52.3	58.7	56.7	59.7	56.6	56.3
11	Nuzi 260	55.0	53.7	60.0	55.0	58.0	56.3	56.3
12	Madhuri Sweet Corn (C)	50.7	51.3	56.3	56.0	55.0	53.9	54.7
13	Misthi (C)	55.0	51.3	59.7	56.7	58.3	56.2	56.6
14	Priya Sweet Corn (C)	50.0	49.3	54.3	56.7	54.7	53.0	53.4
15	WOSC (C)	52.0	52.0	57.0	56.7	57.7	55.1	55.2
	Location Mean	53.9	51.6	57.8	56.1	58.0	55.5	55.6
	CV (%)	1.7	2.4	1.8	2.8	2.4	2.3	2.8
	F (Prob)	0.00	0.01	0.00	0.84	0.00	0.00	0.00
	CD (5%)	1.6	2.0	1.8	2.6	2.3	0.9	0.5
	CD (1%)	2.1	2.8	2.4	3.5	3.1	1.2	0.6

TABLE No. 19: Trial SC-I-II-III Plant Height(cm)												
Sl. No.	Entry Name	NHZ						NWPZ				
		Almora	Bajaura	Barapani	Imphal	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ASKH-1	183.3	188.3	128.8	139.8	217.0	171.5	174.8	205.7	163.3	234.7	194.6
2	ASKH-4	198.3	198.3	162.4	167.8	241.3	193.6	182.7	197.7	198.3	260.0	209.7
3	ASKH-61	210.0	203.3	196.4	173.0	241.7	204.9	192.0	209.0	165.0	270.7	209.2
4	BIO 4043	183.3	181.7	192.9	151.9	219.3	185.8	193.9	193.3	170.0	241.0	199.6
5	BSCH 6	173.3	153.3	157.1	142.3	200.3	165.3	141.5	184.0	126.7	210.7	165.7
6	FSCH 75	156.7	160.0	177.7	134.6	212.0	168.2	145.1	186.3	141.7	208.0	170.3
7	FSCH 98	158.3	165.0	143.8	141.3	198.7	161.4	151.8	176.7	146.7	203.3	169.6
8	MITHAS	188.3	181.7	167.7	160.5	233.3	186.3	187.9	203.0	181.7	235.7	202.1
9	Madhula	208.3	198.3	200.9	167.3	233.3	201.6	198.3	220.0	166.7	252.0	209.2
10	NSCH-130	185.0	176.7	172.9	141.2	217.3	178.6	179.9	166.7	133.3	231.0	177.7
11	Nuzi 260	213.3	218.3	194.7	166.2	254.3	209.4	213.3	226.3	195.0	272.7	226.8
12	Madhuri Sweet Corn (C)	178.3	200.0	154.1	128.1	224.0	176.9	185.1	211.7	170.0	225.7	198.1
13	Misthi (C)	203.3	201.7	183.5	159.0	240.0	197.5	181.5	200.0	163.3	249.3	198.5
14	Priya Sweet Corn (C)	178.3	191.7	170.4	144.5	217.0	180.4	175.7	171.7	140.0	236.3	180.9
15	WOSC (C)	188.3	178.3	129.7	162.5	230.7	177.9	194.3	200.7	163.3	250.7	202.2
	Location Mean	187.1	186.4	168.9	152.0	225.4	184.0	179.8	196.8	161.7	238.8	194.3
	CV (%)	5.4	6.3	14.9	11.0	4.1	8.6	4.9	11.0	10.4	7.1	8.6
	F (Prob)	0.00	0.00	0.02	0.05	0.00	0.00	0.00	0.07	0.00	0.00	0.00
	CD (5%)	17.0	19.7	42.0	28.1	15.4	11.4	14.8	36.3	28.2	28.5	13.6
	CD (1%)	23.0	26.6	56.7	37.9	20.8	15.0	20.0	48.9	38.0	38.5	17.9

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TABLE No. 19: (Contd.)

Plant Height(cm)

Sl. No.	Entry Name	NEPZ							PZ							
		Baharaich	Bhubaneswar	Dholi	Kalyani	Sabour	Varanasi	Zone3	Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ASKH-1	148.6	168.7	148.0	156.7	152.3	165.0	156.5	157.7	206.0	182.9	149.7	165.0	188.0	232.2	183.1
2	ASKH-4	159.6	166.3	184.0	154.0	182.3	165.8	168.7	192.9	219.3	213.3	178.7	178.3	219.0	261.1	209.0
3	ASKH-61	178.1	166.3	172.7	163.3	182.3	181.7	174.1	174.3	221.7	205.3	176.7	185.0	213.0	281.1	208.2
4	BIO 4043	141.5	161.3	151.0	166.7	163.0	142.5	154.3	161.4	191.3	193.5	152.0	141.7	194.7	255.0	184.2
5	BSCH 6	114.6	163.7	135.7	158.0	141.7	124.2	139.6	142.2	189.3	167.7	150.3	145.0	187.0	217.8	171.3
6	FSCH 75	115.7	165.7	155.3	158.0	142.3	120.8	143.0	147.0	196.7	168.7	155.7	161.7	187.0	215.0	176.0
7	FSCH 98	123.9	167.3	132.0	161.3	147.3	127.5	143.2	155.9	175.7	159.3	150.3	146.7	180.7	220.0	169.8
8	MITHAS	160.9	167.0	168.7	164.7	175.3	154.2	165.1	167.3	215.5	206.3	164.0	180.0	206.7	257.2	199.6
9	Madhula	165.5	165.0	162.3	172.7	177.0	160.0	167.1	153.1	213.7	212.3	175.3	186.7	215.3	261.7	202.6
10	NSCH-130	127.7	160.7	134.0	178.0	136.0	139.2	145.9	147.1	186.7	184.7	143.3	143.3	194.7	227.8	175.4
11	Nuzi 260	169.9	165.3	204.0	164.7	192.7	170.7	177.9	205.2	227.3	215.4	191.7	198.3	225.0	287.8	221.5
12	Madhuri Sweet Corn (C)	121.4	169.0	153.0	160.7	156.7	143.3	150.7	151.7	200.0	179.2	156.0	140.0	198.0	221.7	178.1
13	Misthi (C)	149.9	162.0	170.7	152.0	163.7	158.3	159.4	170.1	208.0	213.7	159.7	175.0	212.0	248.3	198.1
14	Priya Sweet Corn (C)	125.6	163.3	148.3	162.0	148.3	143.3	148.5	150.6	182.7	177.1	149.7	148.3	187.7	213.3	172.8
15	WOSC (C)	145.9	163.7	139.7	172.7	151.0	138.3	151.9	160.5	207.2	190.5	154.0	168.3	205.0	242.2	189.7
	Location Mean	143.3	165.0	157.3	163.0	160.8	149.0	156.4	162.5	202.7	191.3	160.5	164.2	200.9	242.8	189.3
	CV (%)	8.1	3.2	10.4	8.7	8.6	7.9	7.3	7.0	5.3	4.9	4.1	8.5	3.5	5.0	5.5
	F (Prob)	0.00	0.17	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CD (5%)	19.4	8.5	27.4	23.8	23.2	19.7	7.2	18.9	17.9	15.8	11.1	23.5	11.9	20.2	6.4
	CD (1%)	26.1	11.3	37.0	32.1	31.3	26.5	9.5	25.5	24.1	21.3	14.9	31.6	16.1	27.2	8.4

TABLE No. 19: (Contd.)		Plant Height(cm)						
Sl. No.	Entry Name	CWZ						All India
		Ambikapur	Banswara	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ASKH-1	207.9	188.3	177.0	124.4	138.3	167.2	173.8
2	ASKH-4	245.6	183.3	205.0	128.3	145.0	181.5	192.2
3	ASKH-61	262.1	158.3	183.0	137.8	143.3	176.9	194.3
4	BIO 4043	217.9	185.0	180.7	117.2	153.3	170.8	177.7
5	BSCH 6	198.0	180.0	178.3	133.3	118.3	161.6	160.5
6	FSCH 75	218.6	190.0	147.7	127.8	133.3	163.5	164.0
7	FSCH 98	197.9	173.3	152.3	122.8	118.3	152.9	159.2
8	MITHAS	229.5	183.3	175.3	130.6	150.0	173.8	185.0
9	Madhula	233.1	181.7	189.3	148.9	150.0	180.6	191.4
10	NSCH-130	188.6	183.3	167.7	121.7	136.7	159.6	166.9
11	Nuzi 260	276.5	181.7	197.0	135.6	176.7	193.5	205.2
12	Madhuri Sweet Corn (C)	196.2	185.0	155.0	126.1	133.3	159.1	171.2
13	Misthi (C)	224.5	168.3	184.7	131.1	160.0	173.7	185.0
14	Priya Sweet Corn (C)	180.4	185.0	153.7	129.4	110.0	151.7	166.1
15	WOSC (C)	225.9	170.0	180.0	126.1	121.7	164.7	176.3
	Location Mean	220.2	179.8	175.1	129.4	139.2	168.7	177.5
	CV (%)	6.8	7.1	9.8	12.0	13.1	9.3	7.7
	F (Prob)	0.00	0.23	0.01	0.74	0.01	0.00	0.00
	CD (5%)	25.2	21.3	28.5	26.0	30.6	11.3	4.2
	CD (1%)	34.0	28.7	38.5	35.0	41.3	14.9	5.5

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TABLE No. 19: Trial SC-I-II-III Ear Height (cm)												
Sl. No.	Entry Name	NHZ						NWPZ				
		Almora	Bajaura	Barapani	Imphal	Kangra	Zone1	Delhi	Karnal	Ludhiana	Pantnagar	Zone2
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ASKH-1	81.7	88.3	64.9	46.3	108.7	78.0	93.0	104.0	81.7	106.3	93.7
2	ASKH-4	100.0	116.7	85.5	43.3	120.0	93.1	105.0	105.7	111.7	131.7	116.1
3	ASKH-61	91.7	108.3	100.0	43.0	119.7	92.5	105.7	116.7	71.7	128.3	101.9
4	BIO 4043	88.3	83.3	101.1	45.7	109.7	85.6	99.0	102.3	76.7	109.3	95.0
5	BSCH 6	76.7	73.3	78.3	40.0	98.3	73.3	73.2	99.3	58.3	94.7	75.4
6	FSCH 75	66.7	68.3	99.3	50.7	102.7	77.6	62.5	83.3	55.0	83.3	66.9
7	FSCH 98	65.0	66.7	78.2	66.3	95.3	74.3	61.9	74.0	55.0	74.0	63.6
8	MITHAS	78.3	81.7	95.1	43.9	117.3	83.3	90.3	105.0	68.3	89.3	82.6
9	Madhula	90.0	105.0	103.9	61.5	115.3	95.2	102.3	103.7	83.3	120.3	102.0
10	NSCH-130	80.0	88.3	85.8	58.9	108.3	84.3	90.5	87.3	66.7	98.0	85.1
11	Nuzi 260	108.3	120.0	102.2	50.6	126.0	101.4	113.0	112.3	101.7	127.7	114.1
12	Madhuri Sweet Corn (C)	78.3	103.3	84.5	47.0	113.7	85.4	95.5	87.0	76.7	109.3	93.8
13	Misthi (C)	93.3	106.7	96.9	45.5	119.7	92.4	103.8	104.3	96.7	111.3	103.9
14	Priya Sweet Corn (C)	86.7	96.7	92.7	42.8	109.3	85.6	92.8	99.0	63.3	106.0	87.4
15	WOSC (C)	83.3	96.7	66.6	57.9	114.3	83.8	104.4	98.3	85.0	114.3	101.2
	Location Mean	84.6	93.6	89.0	49.6	111.9	85.7	92.9	98.8	76.8	106.9	92.2
	CV (%)	9.4	14.6	16.3	18.4	4.2	12.4	4.7	20.1	18.7	7.7	10.8
	F (Prob)	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.50	0.00	0.00	0.00
	CD (5%)	13.3	22.8	24.3	15.3	7.8	7.7	7.4	33.3	24.0	13.9	9.3
	CD (1%)	18.0	30.8	32.8	20.6	10.5	10.2	9.9	44.9	32.4	18.7	12.3

TABLE No. 19: (Contd.)		Ear Height (cm)														
Sl. No.	Entry Name	NEPZ							PZ							
		Baharaich	Bhubaneswar	Dholi	Kalyani	Sabour	Varanasi	Zone3	Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Mandya	Rahuri	Zone4
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ASKH-1	54.7	73.0	69.3	43.7	68.3	91.7	75.6	74.3	106.0	63.7	62.3	75.0	92.0	114.5	80.3
2	ASKH-4	57.3	71.0	91.0	52.0	90.0	89.2	85.3	96.1	126.0	79.7	82.3	91.7	110.7	135.0	99.2
3	ASKH-61	76.9	73.7	81.7	52.2	84.0	105.0	86.1	77.8	119.3	66.7	72.3	76.7	104.0	137.2	89.1
4	BIO 4043	63.8	70.7	67.7	52.1	74.0	65.0	69.3	70.4	103.3	67.7	63.0	61.7	90.7	124.5	79.6
5	BSCH 6	51.6	71.3	59.3	53.9	55.7	58.3	61.2	64.9	84.0	59.7	65.3	71.7	90.7	103.4	75.9
6	FSCH 75	40.0	71.3	62.7	48.0	56.7	50.8	60.4	55.2	89.0	46.3	62.0	51.7	86.7	91.1	65.5
7	FSCH 98	37.4	73.0	46.7	47.6	58.0	50.8	57.1	64.2	70.9	43.7	59.0	53.3	78.0	90.0	64.7
8	MITHAS	54.5	69.7	74.7	58.9	72.0	73.3	72.4	68.6	94.5	67.0	64.3	70.0	99.7	110.6	80.0
9	Madhula	75.5	73.3	72.3	44.5	81.3	76.7	75.9	70.7	107.3	82.7	75.3	80.0	106.3	122.8	89.6
10	NSCH-130	58.6	70.0	53.3	64.1	57.3	66.7	61.8	63.5	154.3	67.3	58.0	61.7	92.3	116.7	76.6
11	Nuzi 260	70.1	70.7	88.7	52.5	94.7	95.8	87.5	99.1	122.3	78.0	86.7	85.0	111.7	147.8	101.4
12	Madhuri Sweet Corn (C)	39.7	72.0	71.0	61.3	76.3	70.8	72.5	72.8	105.3	62.7	65.0	61.7	94.7	117.2	79.0
13	Misthi (C)	67.9	71.3	80.0	53.6	74.3	84.2	77.5	84.1	111.3	79.1	67.3	76.7	102.0	139.5	91.5
14	Priya Sweet Corn (C)	53.9	66.7	63.7	53.6	67.0	66.7	66.0	71.1	93.3	66.0	67.7	61.7	93.7	110.0	78.3
15	WOSC (C)	55.1	72.7	66.3	43.8	71.0	70.0	70.0	71.5	112.3	72.7	65.7	86.7	99.0	126.1	86.9
	Location Mean	57.2	71.4	69.9	52.1	72.0	74.3	71.9	73.6	106.6	66.9	67.8	71.0	96.8	119.1	82.5
	CV (%)	27.1	5.1	15.6	23.3	13.7	17.1	12.0	11.1	26.2	8.1	7.5	15.3	5.7	5.4	8.8
	F (Prob)	0.07	0.16	0.00	0.71	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00
	CD (5%)	25.9	5.9	18.2	20.3	16.5	21.3	6.5	13.7	46.8	9.1	8.5	18.2	9.3	10.8	4.8
	CD (1%)	34.9	7.9	24.5	27.4	22.3	28.7	8.6	18.5	63.1	12.2	11.5	24.5	12.5	14.6	6.3

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TABLE No. 19: (Contd.)		Ear Height (cm)						
Sl. No.	Entry Name	CWZ						All India Mean
		Ambikapur Mean	Banswara Mean	Chindwara Mean	Godhra Mean	Udaipur Mean	Zone5 Mean	
1	ASKH-1	67.9	91.7	76.0	40.6	50.0	65.2	77.4
2	ASKH-4	81.0	110.0	93.3	36.1	60.0	76.1	92.7
3	ASKH-61	85.2	90.3	74.0	45.0	58.3	70.6	87.0
4	BIO 4043	68.0	93.3	73.0	35.6	53.3	64.6	77.9
5	BSCH 6	66.5	86.7	79.7	38.3	43.3	62.9	69.9
6	FSCH 75	68.3	90.0	60.7	33.9	56.7	61.9	66.6
7	FSCH 98	63.8	91.7	53.7	29.4	43.3	56.4	63.5
8	MITHAS	71.7	90.0	73.3	36.1	61.7	66.6	76.8
9	Madhula	78.6	90.0	83.3	55.0	66.7	74.7	86.8
10	NSCH-130	63.1	93.3	76.3	38.9	50.0	64.3	74.1
11	Nuzi 260	88.3	86.7	79.7	43.9	73.3	74.4	94.8
12	Madhuri Sweet Corn (C)	63.6	96.7	62.0	41.1	48.3	62.3	77.6
13	Misthi (C)	74.3	90.0	90.3	47.8	66.7	73.8	87.0
14	Priya Sweet Corn (C)	59.2	96.7	74.0	45.0	51.7	65.3	76.1
15	WOSC (C)	74.3	81.7	77.0	35.6	53.3	64.4	80.3
	Location Mean	71.6	91.9	75.1	40.2	55.8	66.9	78.9
	CV (%)	7.4	10.5	16.2	24.6	20.7	14.9	11.7
	F (Prob)	0.00	0.28	0.03	0.29	0.11	0.00	0.00
	CD (5%)	8.9	16.1	20.3	16.5	19.3	7.2	3.0
	CD (1%)	12.0	21.7	27.4	22.3	26.0	9.5	4.0

TABLE No. 19: Trial SC-I-II-III TSS(%)													
Sl. No.	Entry Name	NHZ				NWPZ				NEPZ			
		Almora Mean	Bajaura Mean	Imphal Mean	Zone1 Mean	Delhi Mean	Karnal Mean	Pantnagar Mean	Zone2 Mean	Dholi Mean	Kalyani Mean	Sabour Mean	Zone3 Mean
1	ASKH-1	17.8	15.5	14.4	15.9	18.3	20.9	13.7	17.6	12.9	11.5	16.8	13.7
2	ASKH-4	17.8	16.0	16.2	16.7	17.8	22.3	15.7	18.6	13.2	12.8	18.1	14.7
3	ASKH-61	17.5	16.0	15.6	16.4	17.5	21.2	13.5	17.4	14.3	12.5	17.1	14.6
4	BIO 4043	17.1	15.5	14.6	15.7	15.6	20.0	13.2	16.3	11.0	12.0	19.8	14.2
5	BSCH 6	16.6	14.2	14.1	15.0	15.8	20.2	11.8	15.9	11.8	11.7	15.4	12.9
6	FSCH 75	14.6	16.0	14.5	15.0	15.5	20.7	10.0	15.4	11.0	11.4	16.1	12.8
7	FSCH 98	15.4	16.2	14.5	15.4	15.3	19.8	10.6	15.2	11.3	12.5	15.3	13.0
8	MITHAS	17.1	15.5	16.0	16.2	15.3	21.0	13.1	16.4	12.5	11.6	14.6	12.9
9	Madhula	16.5	17.5	15.7	16.5	17.3	20.2	12.8	16.8	12.7	10.6	15.7	13.0
10	NSCH-130	16.3	15.0	15.1	15.5	15.5	19.6	11.7	15.6	11.5	10.9	14.3	12.2
11	Nuzi 260	17.0	16.0	15.7	16.2	15.3	18.7	13.1	15.7	11.0	12.0	16.4	13.1
12	Madhuri Sweet Corn (C)	16.5	14.0	14.6	15.0	16.8	20.6	14.4	17.2	12.7	11.5	15.7	13.3
13	Misthi (C)	16.5	15.5	14.3	15.4	17.5	20.8	13.8	17.4	13.0	11.0	15.5	13.2
14	Priya Sweet Corn (C)	16.7	14.0	14.8	15.2	14.5	22.0	14.2	16.9	13.8	11.7	15.5	13.7
15	WOSC (C)	17.5	15.5	13.7	15.6	15.8	20.9	14.6	17.1	12.2	12.3	14.2	12.9
	Location Mean	16.7	15.5	14.9	15.7	16.2	20.6	13.1	16.6	12.3	11.7	16.0	13.3
	CV (%)	3.1	.	9.6	6.8	5.1	5.6	10.9	7.2	11.3	8.2	15.5	11.8
	F (Prob)	0.00	.	0.65	0.00	0.01	0.08	0.00	0.00	0.12	0.26	0.74	0.00
	CD (5%)	0.9	.	2.4	1.3	1.4	1.9	2.4	1.2	2.3	1.6	4.3	1.6
	CD (1%)	1.2	.	3.2	1.7	2.0	2.6	3.2	1.6	3.1	2.2	6.0	2.1

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TABLE No. 19: (Contd.)		TSS(%)									
Sl. No.	Entry Name	PZ							CWZ		All India Mean
		Dharwad Mean	Hyderabad Mean	Karimnagar Mean	Kolhapur Mean	Mandya Mean	Rahuri Mean	Zone4 Mean	Godhra Mean	Zone5 Mean	
1	ASKH-1	15.9	16.3	15.2	14.7	17.0	16.3	15.9	14.9	14.9	15.7
2	ASKH-4	17.1	16.2	14.6	17.7	15.3	17.7	16.4	18.1	18.1	16.7
3	ASKH-61	16.0	14.0	14.4	15.0	16.7	18.0	15.7	14.3	14.3	15.8
4	BIO 4043	13.3	14.9	16.0	15.7	15.2	16.3	15.2	13.7	13.7	15.2
5	BSCH 6	14.4	15.0	14.0	15.0	14.7	15.7	14.8	13.4	13.4	14.6
6	FSCH 75	13.4	12.6	12.7	15.0	13.3	14.3	13.6	11.7	11.7	13.9
7	FSCH 98	12.9	11.8	12.4	15.0	16.8	14.3	13.9	13.1	13.1	14.2
8	MITHAS	13.8	15.3	15.9	17.0	16.7	16.3	15.8	14.6	14.6	15.4
9	Madhula	14.3	15.7	16.3	15.7	16.3	15.0	15.6	14.6	14.6	15.4
10	NSCH-130	14.6	13.7	14.5	17.7	13.7	15.3	14.9	13.0	13.0	14.5
11	Nuzi 260	15.1	15.6	14.9	16.7	14.3	16.0	15.4	15.2	15.2	15.2
12	Madhuri Sweet Corn (C)	14.6	15.0	14.8	15.3	15.3	16.3	15.2	14.0	14.0	15.1
13	Misthi (C)	15.6	17.6	16.0	16.7	16.0	17.7	16.6	15.2	15.2	15.8
14	Priya Sweet Corn (C)	14.5	13.6	12.2	15.0	15.7	15.7	14.5	15.0	15.0	14.9
15	WOSC (C)	14.8	16.0	14.5	16.7	17.7	17.7	16.2	15.1	15.1	15.6
	Location Mean	14.7	14.9	14.6	15.9	15.6	16.2	15.3	14.4	14.4	15.2
	CV (%)	3.8	7.6	8.1	5.8	9.4	7.2	7.5	6.5	6.5	8.1
	F (Prob)	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00
	CD (5%)	1.0	1.9	2.0	1.5	2.5	2.0	0.8	1.6	2.0	0.6
	CD (1%)	1.4	2.5	2.7	2.1	3.3	2.6	1.0	2.3	2.8	0.7

TABLE No. 19: Trial SC-I-II-III Plant Stand('000/ha) (Contd.)																				
Sl. No.	Genotype	Almo	Baja	Kang	Zone1	Ludh	Delh	Karn	Pant	Zone 2	Sabo	Zone 3	Hyder	Karim	Dhar	Mandya	Rahu	Zone 4	Godh	Zone 5
1	BSCH 6	16.7	16.5	13.9	15.7	24	15.9	15.3	10.7	16.5	12.6	12.6	12.8	12.6	15.2	23.3	12.7	15.3	13.1	13.1
2	ASKH 4	18.8	19.0	15.8	17.8	20.5	16.9	15.5	13.2	16.5	11.8	11.8	14.9	14.8	16.6	19.4	13.2	15.8	19.1	19.1
3	Madhula	17.4	16.5	15.3	16.4	21	16.4	16.3	11.4	16.3	10.7	10.7	11.3	11.6	14.2	18.3	15.0	14.1	14.3	14.3
4	BIO 4043	17.2	15.5	15.2	16.0	21.5	13.0	16.8	11.9	15.8	15.8	15.8	13.3	13.3	13.7	18.9	15.7	15.0	15.6	15.6
5	MITHAS	16.1	16.0	16.7	16.3	23	15.9	17.4	12.1	17.1	17.1	17.1	11.9	11.5	15.2	17.5	12.7	13.7	14.3	14.3
6	FSCH 55*	13.8	18.0	13.5	15.1	21.5	17.3	15.5	12.2	16.6	12.4	12.4	13.5	13.1	15.0	22.0	14.0	15.5	16.8	16.8
7	ASKH 6	16.2	16.5	14.3	15.6	19	18.0	14.8	13.4	16.3	17.4	17.4	13.6	14.0	15.3	18.7	14.3	15.2	17.7	17.7
8	FSCH 75	14.4	15.0	14.4	14.6	21.5	10.9	13.3	11.9	14.4	17.4	17.4	11.3	11.4	13.0	21.9	12.5	14.0	13.1	13.1
9	FSCH 91	15.3	18.0	12.6	15.3	19.5	10.9	13.0	10.0	13.3	16.0	16.0	12.5	12.3	15.1	17.9	16.3	14.8	13.6	13.6
10	VEHS-16-1	18.8	20.5	16.4	18.5	22.5	18.9	12.3	16.4	17.5	12.7	12.7	16.0	15.5	19.3	21.8	15.7	17.6	22.8	22.8
11	Misthi (C)	16.9	19.0	16.3	17.4	20.5	15.8	14.3	12.3	15.7	15.0	15.0	14.4	14.2	15.6	20.7	16.7	16.3	15.1	15.1
12	Madhuri Sweet Corn	15.8	17.5	15.0	16.1	20	16.3	17.0	10.1	15.8	15.8	15.8	12.6	13.1	12.9	25.7	14.3	15.7	18.8	18.8
13	(C)ya Sweet Corn (C)	15.1	17.5	15.2	15.9	22	18.7	11.5	11.4	15.9	14.4	14.4	13.3	13.5	12.0	22.9	15.3	15.4	15.9	15.9

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TABLE No. 20: Trial Rainfed Normal Set Late Maturity																	Yield (Kg/ha)	
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India		
		Devisour		Karimnagar		Kolhapur		Zone4		Godhra		Udaipur		Zone5		Mean	R	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R			
1	CMH 12-686	5615	7	4778	6	7520	5	5768	7	2294	8	8073	1	5184	5	5376	7	
2	GH-1514	5590	8	5346	2	6231	9	5590	8	2426	7	5120	9	3773	8	4379	9	
3	GK 3206	7363	3	4698	7	9203	3	7363	3	1139	9	6079	7	3609	9	4860	8	
4	PMH1	8410	1	4511	9	8847	4	8410	1	3853	5	7237	3	5545	3	6500	1	
5	PMH3	6018	6	4962	5	10061	1	6018	6	3589	6	7662	2	5625	1	5756	4	
6	RCRMH-4(CAH1525)	6573	5	4533	8	6767	7	6573	5	3967	3	5807	8	4887	7	5449	6	
7	BIO 9682 (C)	7884	2	5292	3	7153	6	7884	2	3870	4	6346	5	5108	6	6033	2	
8	CMH 08-282 (C)	6903	4	5623	1	9791	2	6903	4	4424	1	6205	6	5314	4	5844	3	
9	CMH 08-287 (C)	5515	9	5152	4	6419	8	5515	9	4208	2	6986	4	5597	2	5569	5	
	Location Mean	6712	.	4988	.	7999	.	6712	.	3308	.	6613	.	5291	.	5811	.	
	CV (%)	16.8	.	20.2	.	22.4	.	16.9	.	24.9	.	15.6	.	18.3	.	17.8	.	
	F (Prob)	0.06	.	0.87	.	0.10	.	0.01	.	0.05	.	0.05	.	0.01	.	0.01	.	
	CD (5%)	1967	.	1743	.	3096	.	1970	.	1551	.	1786	.	1289	.	1065	.	
	CD (1%)	2720	.	2401	.	4266	.	2723	.	2257	.	2460	.	1746	.	1425	.	

TABLE No. 20: (Contd.) Plant Stand('000/ha)										
Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	CMH 12-686	40.6	63.0	46.9	54.9	70.0	38.5	73.5	60.7	58.4
2	GH-1514	24.5	59.3	41.0	50.1	66.7	31.3	47.5	48.5	49.1
3	GK 3206	42.1	57.4	55.8	56.6	70.0	21.9	63.0	51.6	53.6
4	PMH1	51.4	63.0	52.8	57.9	68.3	51.0	69.8	63.0	61.0
5	PMH3	40.3	67.3	55.3	61.3	70.0	42.7	75.3	62.7	62.1
6	RCRMH-4(CAH1525)	34.7	65.4	44.9	55.2	68.3	54.2	68.5	63.7	60.3
7	BIO 9682 (C)	40.7	67.9	44.0	55.9	65.0	42.7	80.3	62.7	60.0
8	CMH 08-282 (C)	42.6	70.4	52.8	61.6	71.7	56.3	70.4	66.1	64.3
9	CMH 08-287 (C)	25.9	65.4	41.0	53.2	63.3	46.9	61.1	57.1	55.6
	Location Mean	38.1	64.3	48.3	56.3	68.2	42.8	67.7	60.7	58.7
	CV (%)	34.4	14.2	12.2	13.7	4.8	20.6	14.0	13.2	13.5
	F (Prob)	0.34	0.75	0.03	0.00	0.34	0.06	0.03	0.00	0.00
	CD (5%)	22.8	15.8	10.2	9.1	6.2	16.6	16.4	8.9	6.4
	CD (1%)	31.5	21.8	14.1	12.2	9.0	24.2	22.6	12.0	8.4
Shelling(%)										
Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Godhra	Udaipur	Zone5		
		Mean	Mean	Mean	Mean	Mean	Mean	Mean		
1	CMH 12-686	76.8	75.2	83.8	78.6	60.0	76.1	68.0	74.4	
2	GH-1514	75.0	83.3	81.9	80.1	75.0	78.6	76.8	78.8	
3	GK 3206	75.8	75.0	79.4	76.7	68.4	71.9	70.1	74.1	
4	PMH1	79.0	77.9	80.9	79.3	85.4	75.3	80.4	79.7	
5	PMH3	75.2	72.1	83.3	76.9	89.3	78.7	84.0	79.7	
6	RCRMH-4(CAH1525)	75.1	77.5	79.0	77.2	79.3	74.9	77.1	77.2	
7	BIO 9682 (C)	78.3	77.5	78.8	78.2	80.6	75.2	77.9	78.1	
8	CMH 08-282 (C)	77.2	79.5	81.4	79.3	82.0	76.4	79.2	79.3	
9	CMH 08-287 (C)	79.2	76.5	80.2	78.6	87.6	75.6	81.6	79.8	
	Location Mean	76.8	77.2	81.0	78.3	78.6	75.9	77.0	77.8	
	CV (%)	4.7	7.4	0.0	5.0	0.0	2.6	2.1	4.3	
	F (Prob)	0.71	0.54	0.00	0.00	0.00	0.02	0.00	0.00	
	CD (5%)	6.2	9.9	0.0	3.7	0.0	3.5	2.2	2.5	
	CD (1%)	8.6	13.7	0.0	4.9	0.0	4.8	3.0	3.4	

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TABLE No. 20: (Contd.) Moisture(%)										
Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	CMH 12-686	14.3	22.8	15.4	17.5	16.0	20.0	20.0	18.7	18.1
2	GH-1514	13.5	19.4	15.1	16.0	14.1	20.0	20.0	18.0	17.0
3	GK 3206	14.5	23.8	16.0	18.1	14.3	20.0	20.0	18.1	18.1
4	PMH1	14.5	20.9	15.4	16.9	13.9	20.0	20.0	18.0	17.4
5	PMH3	14.2	23.0	15.3	17.5	13.8	20.0	20.0	17.9	17.7
6	RCRMH-4(CAH1525)	15.2	22.3	14.2	17.2	12.7	20.0	20.0	17.6	17.4
7	BIO 9682 (C)	15.0	23.7	14.1	17.6	12.6	20.0	20.0	17.5	17.6
8	CMH 08-282 (C)	14.7	21.7	15.2	17.2	14.0	20.0	20.0	18.0	17.6
9	CMH 08-287 (C)	14.1	22.9	15.5	17.5	13.6	20.0	20.0	17.9	17.7
	Location Mean	14.4	22.3	15.1	17.3	13.9	20.0	20.0	18.3	17.7
	CV (%)	4.7	7.1	3.0	5.9	13.8	0.0	0.0	5.2	5.6
	F (Prob)	0.15	0.07	0.00	0.10	0.81	.	.	0.10	0.10
	CD (5%)	1.2	2.7	0.8	1.0	3.6	0.0	0.0	1.1	0.7
	CD (1%)	1.6	3.8	1.1	1.3	5.2	0.0	0.0	1.4	0.9
Days to 50% Pollen										
Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	CMH 12-686	67.9	54.7	58.0	60.1	57.5	50.5	49.3	52.4	56.3
2	GH-1514	68.7	52.3	54.3	58.4	57.0	48.5	45.0	50.2	54.3
3	GK 3206	70.0	54.7	57.7	60.8	60.5	50.0	55.3	55.3	58.0
4	PMH1	69.3	53.0	57.0	59.8	59.0	50.0	54.7	54.6	57.2
5	PMH3	69.7	54.0	57.7	60.4	60.5	51.0	53.3	54.9	57.7
6	RCRMH-4(CAH1525)	67.3	54.7	57.7	59.9	59.0	51.0	50.3	53.4	56.7
7	BIO 9682 (C)	70.0	56.7	56.3	61.0	58.5	49.5	52.0	53.3	57.2
8	CMH 08-282 (C)	68.3	51.7	55.7	58.6	57.5	48.0	51.7	52.4	55.5
9	CMH 08-287 (C)	69.3	53.7	58.0	60.3	60.0	52.0	52.3	54.8	57.6
	Location Mean	69.0	53.9	56.9	59.8	58.8	50.1	51.6	53.2	56.9
	CV (%)	2.6	4.0	1.6	2.9	1.2	2.3	4.7	3.4	3.1
	F (Prob)	0.63	0.25	0.00	0.00	0.01	0.12	0.00	0.00	0.00
	CD (5%)	3.1	3.7	1.6	1.6	1.3	2.2	4.2	2.0	1.3
	CD (1%)	4.4	5.1	2.2	2.2	1.9	3.2	5.8	2.7	1.7

TABLE No. 20: (Contd.) Days to 50% Silking										
Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	CMH 12-686	70.3	57.3	60.0	62.5	57.5	52.0	52.7	54.1	58.3
2	GH-1514	71.0	55.0	56.3	60.8	57.0	51.0	48.7	52.2	56.5
3	GK 3206	72.0	57.3	59.7	63.0	60.5	51.5	58.0	56.7	59.8
4	PMH1	71.7	55.3	59.0	62.0	59.0	52.0	57.0	56.0	59.0
5	PMH3	72.0	56.7	59.7	62.8	60.5	52.5	56.3	56.4	59.6
6	RCRMH-4(CAH1525)	69.7	57.7	59.7	62.3	59.0	53.0	52.7	54.9	58.6
7	BIO 9682 (C)	72.3	60.0	58.3	63.6	58.5	52.5	55.3	55.4	59.5
8	CMH 08-282 (C)	71.0	54.3	57.7	61.0	57.5	50.0	54.3	53.9	57.5
9	CMH 08-287 (C)	71.7	56.3	60.0	62.7	60.0	53.0	55.3	56.1	59.4
	Location Mean	71.3	56.7	58.9	62.2	58.8	51.9	54.5	55.0	59.0
	CV (%)	2.5	4.3	1.6	2.9	1.2	1.8	4.0	3.0	3.0
	F (Prob)	0.69	0.24	0.00	0.00	0.01	0.13	0.00	0.00	0.00
	CD (5%)	3.1	4.2	1.6	1.7	1.3	1.7	3.8	1.8	1.3
	CD (1%)	4.3	5.8	2.2	2.3	1.9	2.5	5.2	2.4	1.7
Days to 75% Dry Husk										
Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Zone5		
		Mean	Mean	Mean	Mean	Mean	Mean	Mean		
1	CMH 12-686	112.92	98.67	104	105.11	93	78.5	85.75	97.36	
2	GH-1514	113.33	96.67	100.33	103.44	93	76	84.5	95.87	
3	GK 3206	115	100	103.67	106.22	95.5	78	86.75	98.43	
4	PMH1	114.33	96.33	103	104.56	90.5	79	84.75	96.63	
5	PMH3	114.67	98.33	103.67	105.56	96	76	86	97.73	
6	RCRMH-4(CAH1525)	113	99.67	103.67	105.44	93.5	78.5	86	97.67	
7	BIO 9682 (C)	115	102	102.33	106.44	95.5	75	85.25	97.97	
8	CMH 08-282 (C)	113.67	96	101.67	103.78	92	75.5	83.75	95.77	
9	CMH 08-287 (C)	114.33	98.67	104	105.67	96	78.5	87.25	98.3	
	Location Mean	114.04	98.48	102.93	105.04	93.89	77.22	85.56	98.99	
	CV (%)	1.98	2.55	0.91	1.92	0.85	3.04	1.95	1.98	
	F (Prob)	0.93	0.15	0	0	0	0.56	0	0	
	CD (5%)	3.94	4.35	1.61	1.92	1.5	4.42	2.5	1.56	
	CD (1%)	5.44	6	2.22	2.56	2.19	6.43	3.44	2.08	

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TABLE No. 20: (Contd.) Plant Height(cm)										
Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	CMH 12-686	224.2	188.7	206.7	206.1	195.0	180.8	218.7	198.2	202.2
2	GH-1514	193.8	183.3	165.0	180.7	183.5	175.8	198.3	185.9	183.3
3	GK 3206	209.6	181.6	180.0	190.4	184.5	171.7	203.3	186.5	188.5
4	PMH1	225.3	192.5	223.3	213.7	205.5	165.0	224.0	198.2	205.9
5	PMH3	253.1	193.0	213.3	219.8	211.0	170.0	217.3	199.4	209.6
6	RCRMH-4(CAH1525)	205.5	191.7	196.7	198.0	174.0	182.5	191.3	182.6	190.3
7	BIO 9682 (C)	218.1	179.4	193.3	197.0	170.0	183.3	217.7	190.3	193.6
8	CMH 08-282 (C)	217.9	184.6	233.3	211.9	211.5	170.8	223.3	201.9	206.9
9	CMH 08-287 (C)	243.7	191.7	208.3	214.6	207.0	170.8	244.7	207.5	211.0
	Location Mean	220.9	187.4	202.2	203.3	193.6	174.5	215.4	197.5	200.7
	CV (%)	7.7	3.2	5.9	6.1	3.1	6.3	12.2	9.9	7.8
	F (Prob)	0.02	0.08	0.00	0.00	0.00	0.69	0.41	0.00	0.00
	CD (5%)	29.7	10.5	20.7	11.8	11.5	20.6	45.6	21.8	11.3
	CD (1%)	41.0	14.4	28.6	15.7	16.7	29.9	62.8	29.3	15.0
Ear Height										
Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	CMH 12-686	117.8	85.6	85.0	95.9	93.0	80.8	85.0	86.3	91.1
2	GH-1514	100.7	80.7	88.3	89.9	79.5	77.5	50.3	69.1	79.5
3	GK 3206	102.3	80.2	86.7	89.7	80.5	69.2	54.7	68.1	78.9
4	PMH1	126.8	85.5	128.3	113.6	110.5	79.2	86.3	92.0	102.8
5	PMH3	124.0	92.0	106.7	107.5	114.5	73.3	81.0	89.6	98.6
6	RCRMH-4(CAH1525)	92.3	89.3	86.7	89.4	67.5	75.0	51.7	64.7	77.1
7	BIO 9682 (C)	104.6	74.2	101.7	93.5	87.5	85.8	63.3	78.9	86.2
8	CMH 08-282 (C)	117.3	83.7	128.3	109.8	105.5	73.3	82.7	87.2	98.5
9	CMH 08-287 (C)	130.1	91.6	108.3	110.0	91.5	70.8	88.3	83.6	96.8
	Location Mean	112.5	84.8	102.2	99.7	92.2	76.1	71.5	78.7	90.5
	CV (%)	7.3	7.6	11.8	9.3	13.0	8.2	9.5	10.5	9.8
	F (Prob)	0.00	0.06	0.00	0.00	0.05	0.31	0.00	0.00	0.00
	CD (5%)	14.3	11.2	20.9	8.8	22.6	11.7	11.7	9.2	6.4
	CD (1%)	19.7	15.4	28.8	11.7	32.9	17.0	16.1	12.3	8.4

TABLE No. 21: <u>Trial Rainfed Set Late Maturity</u> Yield (Kg/ha)															
Sl. No.	Entry Name	Zone-IV (PZ)						Zone-V (CWZ)						All India	
		Devisour		Karimnagar		Zone4		Godhra		Udaipur		Zone5			
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	CMH 12-686	5227	3	961	4	5227	3	1877	8	8127	1	8127	1	6677	2
2	GH-1514	4533	8	568	8	4533	8	1765	9	4199	9	4199	9	4366	9
3	GK 3206	5049	4	900	5	5049	4	2250	7	6229	6	6229	6	5639	6
4	PMH1	4952	5	726	6	4952	5	2303	6	6794	4	6794	4	5873	4
5	PMH3	4250	9	1003	3	4250	9	2426	5	7094	3	7094	3	5672	5
6	RCRMH-4(CAH1525)	4801	6	546	9	4801	6	3053	1	5324	8	5324	8	5062	8
7	BIO 9682 (C)	8037	1	1054	1	8037	1	3043	2	6654	5	6654	5	7345	1
8	CMH 08-282 (C)	4552	7	1043	2	4748	7	2471	4	6035	7	6035	7	5333	7
9	CMH 08-287 (C)	5594	2	638	7	5594	2	2654	3	7330	2	7330	2	6462	3
	Location Mean	5262	.	827	.	5262	.	2427	.	6421	.	6421	.	5852	.
	CV (%)	26.8	.	50.9	.	25.9	.	36.1	.	15.9	.	15.9	.	20.9	.
	F (Prob)	0.14	.	0.67	.	0.01	.	0.81	.	0.01	.	0.01	.	0.01	.
	CD (5%)	2452	.	729	.	2654	.	1649	.	1772	.	1772	.	1536	.
	CD (1%)	3390	.	1004	.	3668	.	2399	.	2441	.	2441	.	2067	.

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TABLE No. 21: (Contd.) Plant Stand ('000/ha)									
Sl. No.	Entry Name	Zone-IV (PZ)			Zone-V (CWZ)			Zone5	All India
		Devisour	Karimnagar	Zone4	Chindwara	Godhra	Udaipur		
		Mean	Mean	Mean	Mean	Mean	Mean		
1	CMH 12-686	44.4	144.0	94.2	66.7	34.4	74.7	58.6	72.8
2	GH-1514	38.0	139.1	88.5	66.7	43.8	44.4	51.6	66.4
3	GK 3206	45.8	145.2	95.5	63.3	30.2	74.7	56.1	71.9
4	PMH1	42.6	143.6	93.1	70.0	58.3	80.9	69.7	79.1
5	PMH3	45.8	141.8	93.8	70.0	45.8	71.0	62.3	74.9
6	RCRMH-4(CAH1525)	40.7	144.6	92.7	70.0	45.8	70.4	62.1	74.3
7	BIO 9682 (C)	52.8	146.0	99.4	68.3	60.4	76.5	68.4	80.8
8	CMH 08-282 (C)	45.4	143.9	94.0	65.0	50.0	70.4	61.8	74.6
9	CMH 08-287 (C)	44.4	144.5	94.5	63.3	53.1	70.4	62.3	75.2
	Location Mean	44.2	143.6	94.9	67.0	46.9	70.4	62.7	77.4
	CV (%)	18.6	2.7	6.7	5.2	29.7	17.3	17.9	11.8
	F (Prob)	0.66	0.56	0.02	0.39	0.47	0.09	0.02	0.02
	CD (5%)	14.3	6.6	8.0	6.6	26.2	21.1	12.4	7.5
	CD (1%)	19.8	9.2	10.7	9.6	38.1	29.1	16.7	9.9
Shelling(%)									
Sl. No.	Entry Name	Zone-IV(PZ)			Zone-V(CWZ)			All India	
		Devisour	Karimnagar	Zone4	Godhra	Udaipur	Zone5		
		Mean	Mean	Mean	Mean	Mean	Mean		
1	CMH 12-686	81.4	43.0	62.2	76.6	69.6	73.1	67.6	
2	GH-1514	80.2	38.7	59.4	75.0	76.1	75.5	67.5	
3	GK 3206	81.4	40.0	60.7	85.0	70.7	77.9	69.3	
4	PMH1	79.5	37.7	58.6	67.1	71.9	69.5	64.0	
5	PMH3	64.3	44.7	54.5	82.5	76.2	79.4	66.9	
6	RCRMH-4(CAH1525)	79.7	33.0	56.3	81.9	67.7	74.8	65.6	
7	BIO 9682 (C)	77.3	39.7	58.5	81.7	75.0	78.3	68.4	
8	CMH 08-282 (C)	79.5	40.7	60.1	70.0	72.5	71.2	65.7	
9	CMH 08-287 (C)	79.3	33.3	56.3	77.3	71.4	74.4	65.3	
	Location Mean	78.1	39.0	58.5	77.5	72.3	74.4	65.7	
	CV (%)	11.6	24.3	15.7	0.0	5.6	4.3	11.0	
	F (Prob)	0.46	0.83	0.80	0.00	0.22	0.80	0.80	
	CD (5%)	15.7	16.4	10.8	0.0	7.1	4.2	6.3	
	CD (1%)	21.6	22.6	14.6	0.0	9.7	5.7	8.4	

TABLE No. 21: (Contd.) Moisture(%)									
Sl. No.	Entry Name	Zone-IV (PZ)			Zone-V (CWZ)				All India
		Devisour	Karimnagar	Zone4	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	CMH 12-686	12.8	16.0	14.4	15.1	20.0	20.0	18.4	16.8
2	GH-1514	12.5	16.6	14.5	12.3	20.0	20.0	17.4	16.3
3	GK 3206	14.8	13.8	14.3	14.6	20.0	20.0	18.2	16.7
4	PMH1	12.9	14.2	13.6	15.4	20.0	20.0	18.5	16.5
5	PMH3	14.5	17.4	16.0	15.7	20.0	20.0	18.6	17.5
6	RCRMH-4(CAH1525)	13.5	17.4	15.5	14.2	20.0	20.0	18.1	17.0
7	BIO 9682 (C)	15.0	14.1	14.6	13.6	20.0	20.0	17.9	16.5
8	CMH 08-282 (C)	13.2	17.0	15.1	14.4	20.0	20.0	18.1	16.9
9	CMH 08-287 (C)	14.1	17.3	15.7	13.7	20.0	20.0	17.9	17.0
	Location Mean	13.7	16.0	14.8	14.3	20.0	20.0	18.4	16.8
	CV (%)	9.5	8.1	8.8	6.0	0.0	0.0	2.2	5.8
	F (Prob)	0.22	0.01	0.09	0.08	.	.	0.09	0.09
	CD (5%)	2.3	2.2	1.5	1.6	0.0	0.0	0.5	0.8
	CD (1%)	3.1	3.1	2.1	2.4	0.0	0.0	0.6	1.0
Days to 50% Pollen									
Sl. No.	Entry Name	Zone-IV (PZ)			Zone-V (CWZ)				All India
		Devisour	Karimnagar	Zone4	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	CMH 12-686	68.7	53.7	61.2	61.0	50.5	51.0	54.2	57.0
2	GH-1514	69.3	53.7	61.5	58.0	46.0	50.3	51.4	55.5
3	GK 3206	70.7	55.3	63.0	62.0	50.5	54.3	55.6	58.6
4	PMH1	70.7	54.7	62.7	60.0	50.0	54.3	54.8	57.9
5	PMH3	70.7	54.7	62.7	60.5	51.0	53.3	54.9	58.0
6	RCRMH-4(CAH1525)	68.3	53.3	60.8	60.5	50.0	51.0	53.8	56.6
7	BIO 9682 (C)	70.7	55.3	63.0	60.5	49.5	52.3	54.1	57.7
8	CMH 08-282 (C)	68.2	54.3	61.4	60.0	49.0	51.7	53.6	56.7
9	CMH 08-287 (C)	70.3	56.7	63.5	61.0	51.0	53.3	55.1	58.5
	Location Mean	69.8	54.6	62.1	60.4	49.7	52.4	53.9	57.7
	CV (%)	2.2	2.7	2.4	1.0	1.9	3.3	2.5	2.5
	F (Prob)	0.27	0.22	0.00	0.01	0.01	0.08	0.00	0.00
	CD (5%)	2.6	2.5	1.8	1.2	1.7	3.0	1.5	1.2
	CD (1%)	3.6	3.5	2.5	1.7	2.5	4.1	2.0	1.5

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TABLE No. 21: (Contd.) Days to 50% Silking									
Sl. No.	Entry Name	Zone-IV (PZ)			Zone-V (CWZ)				All India
		Devisour	Karimnagar	Zone4	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	CMH 12-686	71.3	60.3	65.8	61.5	52.0	54.7	56.1	60.0
2	GH-1514	71.7	59.0	65.3	58.5	47.0	53.3	52.9	57.9
3	GK 3206	73.7	61.7	67.7	62.0	52.5	57.0	57.2	61.4
4	PMH1	72.0	60.7	66.3	61.0	52.0	57.3	56.8	60.6
5	PMH3	73.7	61.0	67.3	61.5	53.0	55.7	56.7	61.0
6	RCRMH-4(CAH1525)	71.0	59.3	65.2	61.5	52.0	53.7	55.7	59.5
7	BIO 9682 (C)	73.0	61.0	67.0	61.0	51.5	56.0	56.2	60.5
8	CMH 08-282 (C)	70.5	59.7	65.1	60.5	51.5	54.3	55.4	59.3
9	CMH 08-287 (C)	72.3	61.7	67.0	61.5	52.5	55.7	56.6	60.7
	Location Mean	72.2	60.5	66.2	61.0	51.6	55.3	55.9	60.6
	CV (%)	2.1	3.0	2.5	1.4	2.2	3.3	2.6	2.6
	F (Prob)	0.24	0.55	0.00	0.08	0.02	0.17	0.00	0.00
	CD (5%)	2.7	3.1	2.1	1.7	2.1	3.2	1.6	1.3
	CD (1%)	3.7	4.3	2.8	2.4	3.1	4.4	2.2	1.7
Days to 75% Dry Husk									
Sl. No.	Entry Name	Zone-IV(PZ)			Zone-V (CWZ)				All India
		Devisour	Karimnagar	Zone4	Chindwara	Godhra	Zone5		
		Mean	Mean	Mean	Mean	Mean	Mean		
1	CMH 12-686	116.3	103.7	110.0	98.5	78.0	88.3	99.1	
2	GH-1514	114.3	103.3	108.8	94.5	74.0	84.3	96.5	
3	GK 3206	117.0	105.0	111.0	99.0	79.5	89.3	100.1	
4	PMH1	114.0	103.7	108.8	91.5	78.5	85.0	96.9	
5	PMH3	115.7	104.3	110.0	97.5	80.5	89.0	99.5	
6	RCRMH-4(CAH1525)	112.3	103.3	107.8	98.5	78.5	88.5	98.2	
7	BIO 9682 (C)	117.3	104.0	110.7	99.0	76.5	87.8	99.2	
8	CMH 08-282 (C)	114.1	102.0	108.1	92.0	76.0	84.0	96.1	
9	CMH 08-287 (C)	115.0	105.3	110.2	94.5	78.0	86.3	98.2	
	Location Mean	115.2	103.9	109.4	96.1	77.7	86.9	100.3	
	CV (%)	1.9	2.3	2.1	1.6	2.8	2.1	2.2	
	F (Prob)	0.22	0.82	0.00	0.00	0.26	0.00	0.00	
	CD (5%)	3.9	4.1	2.9	2.9	4.1	2.7	2.0	
	CD (1%)	5.4	5.6	3.9	4.2	6.0	3.8	2.7	

TABLE No. 21: (Contd.) Plant Height (cm)									
Sl. No.	Entry Name	Zone-IV (PZ)			Zone-V (CWZ)				All India
		Devisour Mean	Karimnagar Mean	Zone4 Mean	Chindwara Mean	Godhra Mean	Udaipur Mean	Zone5 Mean	
1	CMH 12-686	217.1	157.7	187.4	171.0	166.7	230.7	189.4	188.6
2	GH-1514	194.0	158.1	176.1	150.5	176.7	190.0	172.4	173.9
3	GK 3206	218.1	157.7	187.9	165.5	177.5	215.7	186.2	186.9
4	PMH1	218.7	166.2	192.5	185.5	175.0	224.0	194.8	193.9
5	PMH3	235.3	162.8	199.1	189.0	182.5	233.7	201.7	200.7
6	RCRMH-4(CAH1525)	212.1	166.3	189.2	161.0	160.8	200.3	174.1	180.1
7	BIO 9682 (C)	205.1	156.3	180.7	160.5	185.0	187.0	177.5	178.8
8	CMH 08-282 (C)	234.8	158.0	196.4	202.5	181.7	224.3	202.8	200.2
9	CMH 08-287 (C)	231.7	157.8	194.7	195.0	192.5	249.0	212.2	205.2
	Location Mean	217.9	160.1	188.4	175.6	177.6	217.2	194.0	191.5
	CV (%)	5.8	6.6	6.2	6.3	4.2	5.8	5.6	5.9
	F (Prob)	0.02	0.90	0.00	0.02	0.06	0.00	0.00	0.00
	CD (5%)	22.1	18.2	14.6	20.8	14.1	21.8	12.1	9.3
	CD (1%)	30.5	25.0	19.6	30.3	20.6	30.1	16.2	12.4
Ear Height (cm)									
Sl. No.	Entry Name	Zone-IV (PZ)			Zone-V (CWZ)				All India
		Devisour Mean	Karimnagar Mean	Zone4 Mean	Chindwara Mean	Godhra Mean	Udaipur Mean	Zone5 Mean	
1	CMH 12-686	112.5	54.9	83.7	75.0	67.5	86.7	76.4	79.3
2	GH-1514	85.9	58.8	72.4	63.5	79.2	64.3	69.0	70.3
3	GK 3206	103.5	54.3	78.9	69.5	71.7	65.0	68.7	72.8
4	PMH1	123.6	63.9	93.8	94.5	58.3	75.7	76.2	83.2
5	PMH3	118.1	62.5	90.3	93.0	75.0	85.0	84.3	86.7
6	RCRMH-4(CAH1525)	100.3	62.5	81.4	52.0	64.2	61.0	59.1	68.0
7	BIO 9682 (C)	101.6	56.5	79.0	77.0	70.8	63.3	70.4	73.9
8	CMH 08-282 (C)	122.3	59.0	90.7	99.5	75.0	85.7	86.7	88.3
9	CMH 08-287 (C)	121.7	58.4	90.0	91.5	89.2	87.7	89.4	89.7
	Location Mean	109.5	59.0	83.8	79.5	72.3	74.9	75.5	79.3
	CV (%)	8.5	15.3	10.9	11.4	13.0	20.1	16.2	13.8
	F (Prob)	0.00	0.88	0.00	0.01	0.21	0.16	0.00	0.00
	CD (5%)	16.2	15.6	11.5	17.1	17.7	26.1	13.5	9.0
	CD (1%)	22.3	21.5	15.4	24.8	25.8	35.9	18.2	11.9

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TABLE No. 22: Trial Rainfed Normal Set Medium Maturity Yield (Kg/ha)															
Sl. No.	Entry Name	Zone-IV(PZ)						Zone-V(CWZ)						All India	
		Devisour		Karimnagar		Zone 4		Godhra		Udaipur		Zone 4		Mean	R
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R		
1	ADH 1619	5460	13	2732	21	4096	15	2000	20	6729	5	4364	18	4230	19
2	ADH 1620	7199	3	2978	18	5088	6	5500	3	6074	10	5787	4	5438	5
3	ADH 1621	6449	7	3625	9	5037	7	4448	10	6948	4	5698	5	5367	6
4	DHM117	7180	4	3237	14	5208	4	1471	21	5697	13	3584	22	4396	17
5	DMRH1306	2906	20	4128	4	3517	19	3770	12	4841	18	4305	20	3911	21
6	DMRH1419	6738	6	5134	1	5936	2	3569	16	6537	6	5053	10	5494	4
7	IMH 1533	6047	8	3241	13	4644	13	3590	14	6375	8	4982	11	4813	12
8	IMH1618	4023	18	2921	19	3472	20	4765	6	4812	19	4788	15	4130	20
9	OMH14-27	8610	2	2978	17	5794	3	3600	13	7317	3	5459	6	5626	3
10	PMH4	4346	17	3611	10	3978	16	3864	11	6263	9	5064	9	4521	16
11	RCRMH3(CAH156)	8656	1	4433	2	6544	1	4502	8	5261	14	4881	13	5713	2
12	RCRMH4-1	2333	21	2882	20	2608	21	3073	18	5052	16	4063	21	3335	22
13	RCRMH5	5910	10	3759	7	4834	11	4606	7	4071	22	4339	19	4586	14
14	RCRMH6	5412	15	4155	3	4784	9	2937	19	5801	12	4369	17	4576	15
15	RCRMH8	7009	5	3225	15	5117	5	4480	9	5146	15	4813	14	4965	10
16	VaMH 13023	5478	12	3580	11	4529	14	5421	4	8870	2	7146	1	5837	1
17	VaMH 15028	5947	9	3750	8	4848	8	5203	5	5003	17	5103	8	4976	9
18	VaMH 15030	3927	19	3331	12	3629	18	3500	17	6448	7	4974	12	4302	18
19	WH-2096	4908	16	2993	16	3951	17	3589	15	9006	1	6297	2	5124	8
20	BIO 9544 (C)	5427	14	4116	5	4771	10	5574	2	6063	11	5819	3	5295	7
21	CMH 08-292 (C)	5680	11	3765	6	4722	12	5753	1	4530	21	5142	7	4932	11
22	DHM 121 (C)	.	.	.	.	.	.	.	.	4673	20	4673	16	4673	13
23	Location Mean	5697	.	3551	.	4624	.	4058	.	5955	.	5006	.	4815	.
24	CV (%)	26.4	.	25.1	.	.	.	34.9	.	34.0	.	.	.	.	.
25	F (Prob)	0.03	.	0.58	.	.	.	0.28	.	0.82	.	.	.	.	.
26	CD (5%)	3137	.	1857	.	.	.	2953	.	4241	.	.	.	.	.
27	CD (1%)	4279	.	2534	.	.	.	4028	.	5797	.	.	.	.	.

TABLE No. 22: (Contd.)

Plant Stand('000/ha)

Sl. No.		Zone-IV(PZ)			Zone-V(CWZ)			Zone 5	All India
		Devisour	Karimnagar	Zone4	Chindwara	Godhra	Udaipur		
		Mean	Mean	Mean	Mean	Mean	Mean		
1	ADH 1619	35.4	59.3	64.1	66.7	47.9	77.8	64.1	64.1
2	ADH 1620	45.9	66.7	71.5	70.0	66.7	77.8	71.5	71.5
3	ADH 1621	46.5	50.9	63.9	68.3	51.0	72.2	63.9	63.9
4	DHM117	45.8	62.0	59.8	68.3	33.3	77.8	59.8	59.8
5	DMRH1306	37.5	63.9	61.3	70.0	59.4	54.6	61.3	61.3
6	DMRH1419	40.3	66.7	61.9	60.0	56.3	69.4	61.9	61.9
7	IMH 1533	37.5	73.2	63.4	63.3	49.0	77.8	63.4	63.4
8	IMH1618	52.8	63.0	67.3	63.3	62.5	75.9	67.3	67.3
9	OMH14-27	56.3	50.0	69.8	70.0	70.8	68.5	69.8	69.8
10	PMH4	27.1	53.7	69.4	65.0	63.5	79.6	69.4	69.4
11	RCRMH3(CAH156)	34.0	69.4	63.2	66.7	56.3	66.7	63.2	63.2
12	RCRMH4-1	49.3	64.8	59.8	66.7	47.9	64.8	59.8	59.8
13	RCRMH5	34.0	71.3	62.0	68.3	52.1	66.0	62.1	62.1
14	RCRMH6	47.2	75.0	58.5	66.7	36.5	72.2	58.5	58.5
15	RCRMH8	32.6	61.1	69.5	65.0	65.6	77.8	69.5	69.5
16	VaMH 13023	32.6	54.6	73.1	68.3	57.3	93.2	73.0	73.0
17	VaMH 15028	42.4	63.0	67.1	66.7	62.5	72.2	67.1	67.1
18	VaMH 15030	44.4	75.9	66.2	70.0	57.3	71.3	66.2	66.2
19	WH-2096	47.9	62.0	66.2	70.0	50.0	78.7	66.2	66.2
20	BIO 9544 (C)	34.0	68.5	64.0	68.3	55.2	68.5	64.0	64.0
21	CMH 08-292 (C)	39.6	65.7	68.3	68.3	55.2	81.5	68.3	68.3
22	DHM 121 (C)	.	.	.	.	.	66.7	.	.
23	Location Mean	41.1	63.8	65.0	67.1	55.1	72.9	65.2	65.0
24	CV (%)	21.9	23.3	11.0	5.2	16.0	10.9	16.0	11.0
25	F (Prob)	0.23	0.94	0.04	0.37	0.04	0.16	0.04	0.04
26	CD (5%)	18.8	31.1	8.2	7.2	18.4	16.6	18.4	8.2
27	CD (1%)	25.7	42.4	10.9	9.9	25.1	22.6	25.1	10.9

Shelling(%)

Sl. No.		Zone-IV(PZ)			Zone-V(CWZ)			Zone 5	All India
		Devisour	Karimnagar	Zone4	Chindwara	Godhra	Udaipur		
		Mean	Mean	Mean	Mean	Mean	Mean		
1	ADH 1619	78.7	75.4	77.0	81.6	72.8	77.2	77.2	77.1
2	ADH 1620	80.8	77.7	79.2	85.0	75.5	80.3	80.3	79.8
3	ADH 1621	79.3	80.2	79.7	85.6	72.4	79.0	79.0	79.4
4	DHM117	79.8	71.8	75.8	60.0	69.0	64.5	64.5	70.2
5	DMRH1306	77.4	82.6	80.0	85.4	79.3	82.4	82.4	81.2
6	DMRH1419	83.4	76.6	80.0	70.0	79.2	74.6	74.6	77.3
7	IMH 1533	73.2	79.3	76.3	79.6	74.6	77.1	77.1	76.7
8	IMH1618	79.3	76.7	78.0	81.0	71.7	76.3	76.3	77.2
9	OMH14-27	82.3	75.4	78.9	72.0	71.7	71.9	71.9	75.4
10	PMH4	73.9	81.5	77.7	87.6	74.3	81.0	81.0	79.3
11	RCRMH3(CAH156)	79.2	80.2	79.7	80.6	72.9	76.7	76.7	78.2
12	RCRMH4-1	73.3	76.7	75.0	65.3	72.6	69.0	69.0	72.0
13	RCRMH5	76.1	77.1	76.6	81.0	73.1	77.0	77.0	76.8
14	RCRMH6	85.2	80.4	82.8	85.6	73.4	79.5	79.5	81.2
15	RCRMH8	77.2	79.3	78.2	70.3	67.5	68.9	68.9	73.6
16	VaMH 13023	73.2	77.4	75.3	86.4	75.8	81.2	81.1	78.2
17	VaMH 15028	73.7	78.2	76.0	85.6	69.2	77.4	77.4	76.7
18	VaMH 15030	70.1	78.4	74.2	79.3	72.9	76.1	76.1	75.2
19	WH-2096	71.5	78.3	74.9	89.3	79.7	84.5	84.5	79.7
20	BIO 9544 (C)	76.7	76.7	76.7	82.4	74.9	78.7	78.7	77.7
21	CMH 08-292 (C)	81.9	77.3	79.6	79.3	57.6	68.4	68.4	74.0
22	DHM 121 (C)	.	.	.	.	72.5	.	72.5	.
23	Location Mean	77.4	78.0	77.7	79.7	72.8	76.2	76.2	77.0
24	CV (%)	7.1	3.3	5.5	0.0	7.2	4.7	7.2	5.2
25	F (Prob)	0.40	0.12	0.00	0.00	0.17	0.00	0.17	0.00
26	CD (5%)	11.4	5.4	6.1	0.0	10.9	5.1	10.9	4.0
27	CD (1%)	15.6	7.4	8.2	0.0	14.9	6.8	14.9	5.3

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TABLE No. 22: (Contd.)		Moisture(%)								Days to 50% Silking							
Sl. No.		Zone-IV(PZ)			Zone-V(CWZ)			Zone 5	All India	Zone-IV(PZ)			Zone-V(CWZ)			Zone 5	All India
		Devisour	Karimnagar	Zone4	Chindwara	Godhra	Udaipur			Devisour	Karimnagar	Zone4	Chindwara	Godhra	Udaipur		
		Mean	Mean	Mean	Mean	Mean	Mean			Mean	Mean	Mean	Mean	Mean	Mean		
1	ADH 1619	12.4	22.5	17.4	11.7	20.0	20.0	17.2	17.3	62.5	55.5	59.0	56.0	49.5	57.0	54.2	56.1
2	ADH 1620	12.7	19.8	16.2	13.8	20.0	20.0	17.9	17.2	68.5	59.5	64.0	58.0	46.0	53.5	52.5	57.1
3	ADH 1621	13.1	18.3	15.7	11.2	20.0	20.0	17.1	16.5	66.0	55.5	60.8	54.5	46.0	52.0	50.8	54.8
4	DHM117	12.6	22.8	17.7	11.1	20.0	20.0	17.0	17.3	68.5	58.0	63.3	61.5	52.0	58.5	57.3	59.7
5	DMRH1306	12.6	15.9	14.2	11.5	20.0	20.0	17.2	16.0	69.0	54.5	61.8	58.5	47.5	56.5	54.2	57.2
6	DMRH1419	13.1	21.5	17.3	13.4	20.0	20.0	17.8	17.6	68.5	57.0	62.8	59.0	47.0	51.5	52.5	56.6
7	IMH 1533	12.6	20.2	16.4	10.9	20.0	20.0	17.0	16.7	64.5	54.0	59.3	59.0	52.0	52.5	54.5	56.4
8	IMH1618	12.6	18.1	15.3	12.0	20.0	20.0	17.3	16.5	62.5	57.5	60.0	57.5	46.5	58.0	54.0	56.4
9	OMH14-27	13.4	24.4	18.9	12.1	20.0	20.0	17.4	18.0	70.0	57.5	63.8	57.5	48.0	56.5	54.0	57.9
10	PMH4	13.0	20.0	16.5	11.0	20.0	20.0	17.0	16.8	65.0	54.5	59.8	55.0	49.5	49.5	51.3	54.7
11	RCRMH3(CAH156)	13.9	18.8	16.3	12.5	20.0	20.0	17.5	17.0	70.0	56.5	63.3	58.0	48.0	52.0	52.7	56.9
12	RCRMH4-1	12.9	22.9	17.9	12.3	20.0	20.0	17.4	17.6	63.5	57.5	60.5	59.0	49.0	54.5	54.2	56.7
13	RCRMH5	12.6	22.4	17.5	12.4	20.0	20.0	17.5	17.5	68.5	58.5	63.5	61.0	53.0	57.9	57.3	59.8
14	RCRMH6	12.6	20.2	16.4	12.2	20.0	20.0	17.4	17.0	66.0	59.0	62.5	59.5	49.0	51.5	53.3	57.0
15	RCRMH8	13.0	22.4	17.7	12.0	20.0	20.0	17.3	17.5	66.0	60.0	63.0	59.0	50.5	58.5	56.0	58.8
16	VaMH 13023	12.3	23.3	17.8	15.3	20.0	20.0	18.4	18.2	66.0	55.5	60.8	55.0	46.5	52.1	51.2	55.0
17	VaMH 15028	13.0	14.5	13.7	11.3	20.0	20.0	17.1	15.7	68.5	58.0	63.3	58.0	47.0	55.5	53.5	57.4
18	VaMH 15030	12.5	22.0	17.3	12.1	20.0	20.0	17.4	17.3	64.5	56.5	60.5	59.0	47.0	56.0	54.0	56.6
19	WH-2096	13.5	17.9	15.7	11.0	20.0	20.0	17.0	16.5	61.0	53.0	57.0	54.5	49.5	49.0	51.0	53.4
20	BIO 9544 (C)	12.9	19.5	16.2	12.2	20.0	20.0	17.4	16.9	64.5	56.5	60.5	59.0	47.0	51.5	52.5	55.7
21	CMH 08-292 (C)	12.8	19.9	16.3	13.2	20.0	20.0	17.7	17.2	67.5	57.5	62.5	58.5	46.5	50.0	51.7	56.0
22	DHM 121 (C)	.	.	.	.	20.0	20.0	.	.	.	.	.	.	.	59.0	.	.
23	Location Mean	12.8	20.3	16.6	12.1	20.0	20.0	17.4	17.1	66.2	56.8	61.5	58.0	48.4	54.2	53.5	56.7
24	CV (%)	4.7	17.8	15.3	5.4	0.0	0.0	2.1	9.5	4.2	5.0	4.5	1.4	3.6	5.3	3.6	4.1
25	F (Prob)	0.65	0.51	0.23	0.00	.	.	0.23	0.23	0.11	0.65	0.00	0.00	0.01	0.03	0.00	0.00
26	CD (5%)	1.3	7.5	3.6	1.4	0.0	0.0	0.4	1.5	5.8	6.0	4.0	1.7	3.7	6.0	2.2	2.1
27	CD (1%)	1.7	10.3	4.9	1.9	0.0	0.0	0.6	1.9	8.0	8.1	5.3	2.4	5.0	8.1	3.0	2.7

TABLE No. 22: (Contd.)		Days to 75% Dry Husk							Plant Height(cm)							
Sl. No.		Zone-IV(PZ)			Zone-V(CWZ)			All India	Zone-IV(PZ)			Zone-V(CWZ)				All India
		Devisour	Karimnagar	Zone4	Chindwara	Godhra	Zone5		Devisour	Karimnagar	Zone4	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	ADH 1619	105.0	96.0	100.5	92.5	77.0	84.8	92.63	188.6	190.9	189.7	166.0	169.2	218.5	184.6	186.6
2	ADH 1620	107.5	102.0	104.8	92.0	75.0	83.5	94.13	210.2	191.4	200.8	185.5	174.2	191.5	183.7	190.6
3	ADH 1621	105.0	97.0	101.0	88.0	73.5	80.8	90.88	190.3	177.6	184.0	185.0	170.8	232.5	196.1	191.3
4	DMRH1306	108.5	94.0	101.3	88.5	75.0	81.8	91.5	216.6	189.4	203.0	201.5	170.0	205.0	192.2	196.5
5	DMRH1419	107.5	96.5	102.0	95.5	74.5	85.0	93.5	251.6	190.8	221.2	198.0	169.2	207.0	191.4	203.3
6	IMH 1533	103.0	93.0	98.0	88.5	73.5	81.0	89.5	226.1	180.0	203.0	207.0	188.3	203.0	199.4	200.9
7	IMH1618	103.5	98.0	100.8	92.0	74.5	83.3	92	189.3	167.0	178.1	153.0	170.0	213.5	178.8	178.6
8	OMH14-27	110.0	98.0	104.0	90.0	73.0	81.5	92.75	223.9	192.0	207.9	199.0	169.2	205.0	191.1	197.8
9	PMH4	103.5	94.5	99.0	93.5	75.5	84.5	91.75	234.6	187.0	210.8	197.5	171.7	244.0	204.4	206.9
10	RCRMH3(CAH156)	110.0	97.5	103.8	91.5	74.5	83.0	93.38	192.0	171.3	181.6	163.0	180.8	219.0	187.6	185.2
11	RCRMH4-1	104.0	98.0	101.0	95.5	71.5	83.5	92.25	240.8	158.7	199.7	200.0	180.0	189.5	189.8	193.8
12	RCRMH5	107.5	99.0	103.3	92.5	77.0	84.8	94	201.7	162.0	181.8	178.5	176.7	234.0	196.4	190.6
13	RCRMH6	103.5	100.5	102.0	92.0	75.0	83.5	92.75	198.6	173.6	186.1	188.0	169.2	184.6	181.2	183.3
14	RCRMH8	107.0	102.5	104.8	94.0	77.5	85.8	95.25	197.4	181.8	189.6	170.0	165.0	227.0	187.3	188.2
15	VaMH 13023	105.0	96.5	100.8	91.5	75.0	83.3	92	216.6	193.8	205.2	192.5	180.8	194.0	189.1	195.5
16	VaMH 15028	107.5	96.0	101.8	81.0	74.0	77.5	89.63	214.4	180.1	197.3	189.0	157.5	240.5	195.0	195.8
17	VaMH 15030	104.5	95.5	100.0	90.5	75.0	82.8	91.38	213.8	185.2	199.5	177.0	178.3	221.0	192.1	195.1
18	WH-2096	98.0	94.5	96.3	85.0	74.0	79.5	87.87	214.9	168.3	191.6	181.0	171.7	192.0	181.6	185.6
19	Zz1Location Mea	105.6	97.3	101.5	91.3	74.8	83.0	92.24	167.7	172.1	169.9	122.5	176.7	231.5	176.9	174.1
20	BIO 9544 (C)	102.0	97.0	99.5	96.0	72.0	84.0	91.75	214.9	191.0	203.0	163.5	175.0	211.0	183.2	191.1
21	CMH 08-292 (C)	108.0	98.5	103.3	92.0	75.0	83.5	93.38	221.2	170.8	196.0	217.0	172.5	206.5	198.7	197.6
22	DHM117	107.5	99.0	103.3	94.5	78.0	86.3	94.75	.	.	.	.	.	197.5	.	.
23	Location Mean	3.1	3.6	3.3	3.8	3.7	3.8	3.53	210.7	179.7	195.2	182.6	173.2	212.2	189.3	191.7
24	CV (%)	0.2	0.5	0.0	0.1	0.8	0.0	0	6.8	6.7	6.8	6.0	6.3	12.9	9.5	8.5
25	F (Prob)	6.81	7.37	4.81	7.22	5.79	4.48	3.24	0.00	0.15	0.00	0.00	0.76	0.78	0.00	0.00
26	CD (5%)	9.3	10.1	6.4	9.9	7.9	6.0	4.29	30.0	25.2	19.0	23.0	22.7	57.1	20.7	14.4
27	CD (1%)								40.9	34.4	25.4	31.3	30.9	78.0	27.5	19.0

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TABLE No. 22: (Contd.)		Ear Height							
Sl. No.		Zone-IV(PZ)			Zone-V(CWZ)			Zone 5	All India
		Devisour	Karimnagar	Zone4	Chindwara	Godhra	Udaipur		
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	ADH 1619	96.5	78.9	87.7	89.0	82.5	76.0	82.5	84.6
2	ADH 1620	101.3	82.7	92.0	93.5	80.0	71.0	81.5	85.7
3	ADH 1621	92.7	75.0	83.9	88.0	72.5	99.0	86.5	85.4
4	DHM117	114.8	84.0	99.4	103.0	75.0	65.0	81.0	88.4
5	DMRH1306	107.9	90.5	99.2	104.0	72.5	80.0	85.5	91.0
6	DMRH1419	114.6	78.6	96.6	93.5	92.5	73.5	86.5	90.5
7	IMH 1533	91.3	66.8	79.0	67.0	75.0	71.0	71.0	74.2
8	IMH1618	105.3	84.7	95.0	104.5	72.5	70.0	82.3	87.4
9	OMH14-27	104.5	88.2	96.3	83.0	80.0	96.5	86.5	90.4
10	PMH4	91.8	71.4	81.6	75.5	87.5	80.0	81.0	81.2
11	RCRMH3(CAH156)	106.4	60.5	83.4	87.0	87.5	67.5	80.7	81.8
12	RCRMH4-1	90.1	62.9	76.5	87.0	75.0	90.0	84.0	81.0
13	RCRMH5	105.6	71.5	88.6	103.0	75.0	41.2	73.8	79.7
14	RCRMH6	93.9	78.4	86.1	88.0	72.5	84.0	81.5	83.4
15	RCRMH8	102.8	91.5	97.1	87.0	82.5	71.0	80.2	87.0
16	VaMH 13023	103.2	76.0	89.6	95.0	65.0	73.9	77.2	82.2
17	VaMH 15028	106.5	75.2	90.9	92.0	82.5	76.0	83.5	86.4
18	VaMH 15030	104.6	67.5	86.1	83.0	75.0	70.0	76.0	80.0
19	WH-2096	63.8	67.6	65.7	40.0	80.0	98.5	72.8	70.0
20	BIO 9544 (C)	107.8	83.9	95.8	93.5	77.5	77.5	82.8	88.0
21	CMH 08-292 (C)	114.3	73.5	93.9	102.0	80.0	86.0	89.3	91.2
22	DHM 121 (C)	.	.	.	.	.	67.5	.	.
23	Location Mean	100.9	76.6	88.8	88.5	78.2	77.5	81.4	84.4
24	CV (%)	9.4	11.7	10.4	12.3	13.8	17.8	14.6	12.9
25	F (Prob)	0.01	0.08	0.00	0.00	0.80	0.23	0.00	0.00
26	CD (5%)	19.9	18.8	13.2	22.8	22.5	28.9	13.7	9.7
27	CD (1%)	27.1	25.6	17.7	31.1	30.7	39.4	18.3	12.8

TABLE No. 23: Trial Rainfed Set Medium Maturity										Yield (Kg/ha)							
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India	
		Devisour		Karimnagar		Kolhapur		Zone4		Godhra		Udaipur		Zone5		Mean	R
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R				
1	ADH 1619	4197	20	772	18	2795	11	3496	19	3709	15	6324	4	3709	15	3567	19
2	ADH 1620	7360	3	1551	8	3052	5	5206	3	4123	11	5208	12	4123	11	4845	4
3	ADH 1621	4592	18	1411	10	3323	1	3958	16	4651	4	6230	5	4651	4	4189	10
4	DHM117	6548	6	712	19	1556	21	4052	14	3364	17	4421	18	3364	17	3823	17
5	DMRH1306	5267	15	1496	9	2859	10	4063	13	2449	22	4426	16	2449	22	3525	20
6	DMRH1419	5551	13	2060	5	2541	18	4046	15	4743	3	7818	1	4743	3	4278	9
7	IMH 1533	5942	11	572	20	2592	17	4267	11	3088	20	5039	13	3088	20	3874	16
8	IMH1618	6191	10	1288	12	3192	3	4692	7	3162	19	4182	19	3162	19	4182	12
9	OMH14-27	9033	1	2316	3	3079	4	6056	1	3477	16	6052	6	3477	16	5196	2
10	PMH4	3339	21	1250	14	2642	16	2990	21	2914	21	6443	3	2914	21	2965	21
11	RCRMH3(CAH156)	5920	12	2452	2	3001	6	4461	9	4575	6	4526	15	4575	6	4499	8
12	RCRMH4-1	6212	9	519	21	3254	2	4733	5	4447	8	5744	7	4447	8	4638	5
13	RCRMH5	6411	7	1378	11	2419	20	4415	10	3732	14	1910	22	3732	14	4187	11
14	RCRMH6	5232	16	908	17	2489	19	3861	17	4589	5	3061	21	4589	5	4103	13
15	RCRMH8	6401	8	1253	13	2727	13	4564	8	4512	7	4421	17	4512	7	4546	7
16	VaMH 13023	5392	14	2160	4	2781	12	4087	12	3959	13	3434	20	3959	13	4044	14
17	VaMH 15028	7700	2	1852	7	2963	7	5331	2	4880	2	5486	10	4880	2	5181	3
18	VaMH 15030	4721	17	1065	15	2914	9	3818	18	4043	12	7201	2	4043	12	3893	15
19	WH-2096	4201	19	940	16	2708	14	3455	20	4443	9	5567	8	4443	9	3784	18
20	BIO 9544 (C)	6758	5	2010	6	2676	15	4717	6	4411	10	5019	14	4411	10	4615	6
21	CMH 08-292 (C)	7207	4	3018	1	2958	8	5083	4	5479	1	5564	9	5479	1	5215	1
22	DHM 121 (C)	.	.	.	.	.	.	.	.	3351	18	5339	11	3351	18	.	.
	Location Mean	5913	.	1475	.	2787	.	4350	.	4005	.	5155	.	4005	.	4231	.
	CV (%)	17.3	.	25.9	.	21.9	.	19.1	.	21.6	.	50.1	.	21.6	.	20.1	.
	F (Prob)	0.00	.	0.00	.	0.73	.	0.00	.	0.18	.	0.92	.	0.00	.	0.00	.
	CD (5%)	2133	.	796	.	1273	.	1189	.	1795	.	5373	.	1795	.	980	.
	CD (1%)	2910	.	1086	.	1737	.	1591	.	2444	.	7315	.	2444	.	1304	.

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TABLE No. 23: (Contd.)											Plant Stand('000/ha)									
Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)					All India	Zone-IV(PZ)				Zone-V(CWZ)				All india
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5	Devisour		Karimnagar	Kolhapur	Zone4	Godhra	Udaipur	Zone5			
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		Mean	Mean	Mean	Mean	Mean	Mean			
1	ADH 1619	27.1	63.9	46.7	45.9	68.3	57.3	74.1	66.6	56.2	84.0	75.6	81.3	80.3	77.2	71.7	74.5	77.9		
2	ADH 1620	34.7	93.5	51.9	60.0	70.0	62.5	85.2	72.6	66.3	85.0	77.9	81.8	81.6	72.5	72.6	72.5	77.9		
3	ADH 1621	27.8	78.7	54.8	53.8	70.0	59.4	78.7	69.4	61.6	75.4	74.6	79.6	76.5	75.3	67.0	71.2	74.4		
4	DHM117	38.2	85.2	39.3	54.2	71.7	53.1	80.6	68.5	61.3	72.1	75.7	81.3	76.3	74.6	65.3	69.9	73.8		
5	DMRH1306	31.9	56.5	55.6	48.0	63.3	54.2	65.7	61.1	54.5	83.5	76.5	82.4	80.8	67.5	69.6	68.6	75.9		
6	DMRH1419	30.6	82.4	48.2	53.7	61.7	60.4	73.2	65.1	59.4	80.2	78.6	79.5	79.4	72.2	75.4	73.8	77.2		
7	IMH 1533	36.1	86.1	46.7	56.3	71.7	59.4	74.1	68.4	62.3	74.4	74.9	79.4	76.3	75.0	69.4	72.2	74.6		
8	IMH1618	34.7	68.5	53.3	52.2	70.0	60.4	75.9	68.8	60.5	81.4	75.3	81.6	79.4	64.5	69.3	66.9	74.4		
9	OMH14-27	40.3	83.3	53.3	59.0	70.0	62.5	73.2	68.6	63.8	79.5	75.2	80.7	78.5	68.2	69.9	69.1	74.7		
10	PMH4	30.6	66.7	46.7	48.0	61.7	49.0	79.6	63.4	55.7	74.5	76.5	83.3	78.1	74.3	70.2	72.2	75.8		
11	RCRMH3(CAH156)	28.5	80.6	46.7	51.9	58.3	60.4	78.7	65.8	58.9	75.8	75.7	84.6	78.7	79.1	72.0	75.5	77.4		
12	RCRMH4-1	38.9	70.4	54.1	54.4	70.0	53.1	82.4	68.5	61.5	85.4	74.9	81.0	80.4	81.0	72.9	77.0	79.0		
13	RCRMH5	31.9	86.1	47.4	55.2	68.3	60.4	38.9	55.9	55.5	77.1	74.7	80.0	77.3	70.5	34.8	52.6	67.4		
14	RCRMH6	31.3	58.3	46.7	45.4	63.3	64.6	75.9	68.0	56.7	83.9	78.4	80.8	81.0	74.3	38.2	56.3	71.1		
15	RCRMH8	22.9	77.8	48.9	49.9	71.7	58.3	75.0	68.3	59.1	80.6	71.3	80.5	77.5	78.0	69.8	73.9	76.1		
16	VaMH 13023	29.2	80.6	51.1	53.6	66.7	63.5	39.8	56.7	55.1	85.8	73.0	77.5	78.8	63.1	34.9	49.0	66.9		
17	VaMH 15028	38.9	72.2	51.9	54.3	73.3	69.8	72.2	71.8	63.1	79.7	74.4	79.3	77.8	74.3	74.5	74.4	76.4		
18	VaMH 15030	27.8	63.9	51.9	47.8	56.7	51.0	77.8	61.8	54.8	77.4	74.7	79.4	77.2	77.8	72.3	75.0	76.3		
19	WH-2096	35.4	75.0	47.4	52.6	70.0	52.1	78.7	66.9	59.8	78.8	77.6	80.6	79.0	79.5	72.3	75.9	77.7		
20	BIO 9544 (C)	36.1	57.4	45.9	46.5	71.7	67.7	66.7	68.7	57.6	76.8	78.0	84.4	79.7	65.2	70.4	67.8	74.9		
21	CMH 08-292 (C)	37.5	63.9	54.1	51.8	70.0	62.5	75.9	69.5	60.7	80.4	75.6	81.0	79.0	81.0	70.0	75.5	77.6		
22	DHM 121 (C)	.	.	.	.	0.0	56.3	71.3	42.5	.	.	.	.	.	79.5	70.8	75.2	.
	Location Mean	32.9	73.9	49.6	52.1	64.5	59.0	72.4	65.3	58.9	79.6	75.7	80.9	78.7	73.9	66.0	69.9	75.1		
	CV (%)	15.0	22.7	13.2	20.4	10.1	11.9	28.4	19.8	20.1	6.9	3.5	0.0	4.4	0.0	27.2	17.9	11.4		
	F (Prob)	0.09	0.67	0.73	0.01	0.00	0.36	0.84	0.01	0.01	0.44	0.57	0.00	0.13	0.00	0.53	0.13	0.13		
	CD (5%)	10.3	35.0	13.7	12.3	13.5	14.6	42.7	14.9	9.6	11.4	5.5	0.0	4.0	0.0	37.3	17.8	7.6		
	CD (1%)	14.0	47.7	18.7	16.3	18.4	19.9	58.2	19.8	12.7	15.5	7.5	0.0	5.4	0.0	50.8	23.9	10.0		

TABLE No. 23: (Contd.)

Moisture(%)

Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)				All India	Zone-IV(PZ)				Zone-V(CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	ADH 1619	12.7	13.2	17.6	14.5	13.8	20.0	20.0	17.9	16.2	60.0	51.5	52.5	54.7	56.0	49.0	56.0	53.7	54.2
2	ADH 1620	11.9	16.2	16.4	14.8	12.7	20.0	20.0	17.6	16.2	61.0	52.5	53.5	55.7	59.0	46.5	51.5	52.3	54.0
3	ADH 1621	12.7	15.6	14.7	14.3	12.3	20.0	20.0	17.4	15.9	57.5	52.0	53.0	54.2	57.0	48.0	51.5	52.2	53.2
4	DHM117	12.9	14.9	18.9	15.5	12.2	20.0	20.0	17.4	16.5	62.0	54.0	58.0	58.0	61.0	50.0	56.0	55.7	56.8
5	DMRH1306	11.5	15.2	13.2	13.3	12.2	20.0	20.0	17.4	15.3	62.0	54.5	55.0	57.2	59.0	45.0	53.0	52.3	54.8
6	DMRH1419	11.1	14.4	14.7	13.4	12.6	20.0	20.0	17.5	15.4	62.5	52.5	56.5	57.2	60.5	47.0	49.5	52.3	54.8
7	IMH 1533	12.5	13.1	16.4	14.0	11.3	20.0	20.0	17.1	15.5	61.0	52.0	55.0	56.0	57.5	48.0	53.5	53.0	54.5
8	IMH1618	11.6	15.4	15.6	14.2	11.8	20.0	20.0	17.3	15.7	58.0	52.5	56.0	55.5	59.0	48.5	55.0	54.2	54.8
9	OMH14-27	12.1	15.1	17.5	14.9	15.7	20.0	20.0	18.6	16.7	63.5	52.5	55.0	57.0	59.5	45.5	55.5	53.5	55.3
10	PMH4	12.3	13.0	15.2	13.5	11.3	20.0	20.0	17.1	15.3	62.5	53.0	53.5	56.3	58.5	48.5	48.5	51.8	54.1
11	RCRMH3(CAH156)	12.7	14.9	15.2	14.3	13.3	20.0	20.0	17.8	16.0	63.5	52.0	55.5	57.0	59.5	46.5	52.0	52.7	54.8
12	RCRMH4-1	11.5	16.2	16.3	14.7	14.4	20.0	20.0	18.1	16.4	59.5	54.5	55.5	56.5	59.0	49.5	55.5	54.7	55.6
13	RCRMH5	13.0	19.4	17.6	16.7	13.4	20.0	20.0	17.8	17.2	64.0	53.0	58.0	58.3	60.0	50.0	27.5	45.8	52.1
14	RCRMH6	11.4	13.8	15.2	13.5	11.2	20.0	20.0	17.1	15.3	61.0	58.0	58.0	59.0	59.5	48.5	50.0	52.7	55.8
15	RCRMH8	12.5	13.8	16.4	14.2	13.6	20.0	20.0	17.9	16.1	64.0	53.5	58.0	58.5	59.0	51.0	56.0	55.3	56.9
16	VaMH 13023	12.5	11.9	14.2	12.9	14.4	20.0	20.0	18.1	15.5	62.0	52.5	53.5	56.0	59.0	50.0	27.5	45.5	50.8
17	VaMH 15028	12.2	13.7	14.1	13.3	11.7	20.0	20.0	17.2	15.3	60.0	52.5	54.0	55.5	58.0	49.0	52.5	53.2	54.3
18	VaMH 15030	12.3	12.7	17.6	14.2	12.6	20.0	20.0	17.5	15.9	58.5	53.0	54.0	55.2	59.0	49.5	52.0	53.5	54.3
19	WH-2096	12.0	13.9	13.3	13.1	10.7	20.0	20.0	16.9	15.0	55.0	52.0	50.0	52.3	55.0	50.0	53.0	52.7	52.5
20	BIO 9544 (C)	13.0	12.6	17.1	14.2	13.1	20.0	20.0	17.7	16.0	59.0	53.0	56.0	56.0	59.0	48.5	52.0	53.2	54.6
21	CMH 08-292 (C)	12.4	13.2	16.3	14.0	13.3	20.0	20.0	17.8	15.9	62.0	52.0	56.0	56.7	59.0	46.0	47.0	50.7	53.7
22	DHM 121 (C)	.	.	.	.	0.0	20.0	20.0	13.3	.	.	.	.	.	0.0	49.0	55.0	34.7	.
	Location Mean	12.2	14.4	15.9	14.2	12.1	20.0	20.0	17.4	15.8	60.9	53.0	55.1	56.3	56.1	48.3	50.5	51.6	53.9
	CV (%)	5.6	15.8	0.0	9.5	8.7	0.0	0.0	3.5	6.5	4.3	2.0	2.2	3.1	1.4	4.8	24.5	13.9	9.8
	F (Prob)	0.27	0.41	0.00	0.00	0.00	.	.	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.52	0.69	0.00	0.00
	CD (5%)	1.4	4.7	0.0	1.6	2.2	0.0	0.0	0.7	0.8	5.5	2.2	2.5	2.0	1.6	4.8	25.7	8.3	4.3
	CD (1%)	2.0	6.4	0.0	2.1	3.0	0.0	0.0	0.9	1.1	7.5	3.0	3.4	2.7	2.2	6.6	35.0	11.0	5.6

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TABLE No. 23: (Contd.)

Days to 50% Silking

Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)				All India	Zone-IV(PZ)				Zone-V(CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Zone5	All India	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	ADH 1619	62.0	56.0	54.5	57.5	57.5	51.0	59.0	55.8	56.7	107.5	99.0	94.5	100.3	94.5	78.5	86.5	94.8	
2	ADH 1620	63.0	57.5	55.5	58.7	59.0	48.5	54.5	54.0	56.3	108.5	100.5	95.5	101.5	91.5	77.0	84.3	94.6	
3	ADH 1621	60.5	54.5	55.5	56.8	58.0	50.0	54.0	54.0	55.4	106.5	97.5	95.5	99.8	92.0	75.0	83.5	93.3	
4	DHM117	64.0	60.5	60.0	61.5	61.5	51.5	58.5	57.2	59.3	110.5	103.5	100.0	104.7	94.0	76.5	85.3	96.9	
5	DMRH1306	63.5	62.0	57.0	60.8	59.0	47.5	56.5	54.3	57.6	110.5	105.0	97.0	104.2	94.5	72.0	83.3	95.8	
6	DMRH1419	64.5	60.0	58.5	61.0	61.0	49.5	52.0	54.2	57.6	110.0	103.0	98.5	103.8	95.0	76.5	85.8	96.6	
7	IMH 1533	63.0	61.0	57.0	60.3	59.5	50.5	56.5	55.5	57.9	105.0	104.0	97.0	102.0	88.0	74.0	81.0	93.6	
8	IMH1618	60.0	62.0	58.0	60.0	59.5	50.5	60.0	56.7	58.3	106.0	105.0	98.0	103.0	94.0	77.0	85.5	96.0	
9	OMH14-27	66.0	58.5	57.0	60.5	60.5	48.0	58.0	55.5	58.0	112.0	101.5	97.0	103.5	96.5	77.5	87.0	96.9	
10	PMH4	62.0	62.0	55.5	59.8	59.5	51.0	52.0	54.2	57.0	106.0	105.0	95.5	102.2	97.0	75.0	86.0	95.7	
11	RCRMH3(CAH156)	65.5	59.0	57.5	60.7	59.5	48.5	56.0	54.7	57.7	111.0	102.0	97.5	103.5	98.5	76.0	87.3	97.0	
12	RCRMH4-1	61.0	62.0	57.5	60.2	59.0	51.5	57.5	56.0	58.1	106.5	105.0	98.0	103.2	97.0	77.0	87.0	96.7	
13	RCRMH5	65.5	59.0	60.0	61.5	61.0	51.5	30.5	47.7	54.6	111.0	102.0	100.0	104.3	94.5	74.0	84.3	96.3	
14	RCRMH6	62.5	64.5	60.0	62.3	60.0	51.5	53.0	54.8	58.6	107.5	107.5	100.0	105.0	94.5	74.0	84.3	96.7	
15	RCRMH8	66.0	59.5	60.0	61.8	60.0	52.5	60.0	57.5	59.7	110.5	102.5	100.0	104.3	98.5	77.5	88.0	97.8	
16	VaMH 13023	63.5	56.0	55.5	58.3	59.5	53.0	29.0	47.2	52.8	108.5	99.0	95.5	101.0	94.5	78.0	86.3	95.1	
17	VaMH 15028	62.0	58.5	56.0	58.8	59.0	51.0	55.0	55.0	56.9	107.0	101.5	96.0	101.5	89.5	78.5	84.0	94.5	
18	VaMH 15030	61.0	58.0	56.0	58.3	59.5	50.5	55.5	55.2	56.8	107.0	101.0	96.0	101.3	93.0	76.5	84.8	94.7	
19	WH-2096	58.0	56.0	52.0	55.3	55.0	52.5	54.0	53.8	54.6	103.5	99.0	92.0	98.2	85.0	75.5	80.3	91.0	
20	BIO 9544 (C)	61.0	61.5	58.0	60.2	59.5	50.0	54.0	54.5	57.3	104.0	104.5	98.0	102.2	96.5	78.0	87.3	96.2	
21	CMH 08-292 (C)	65.0	54.5	58.0	59.2	59.5	47.5	50.0	52.3	55.8	109.5	97.5	98.0	101.7	91.5	75.0	83.3	94.3	
22	DHM 121 (C)	.	.	.	.	0.0	51.0	58.0	36.3	.	.	.	.	.	0.0	76.5	38.3	.
	Location Mean	62.8	59.2	57.1	59.7	56.7	50.4	53.3	53.5	56.5	108.0	102.2	97.1	102.4	89.6	76.2	82.9	94.4	
	CV (%)	3.5	3.7	2.1	3.2	1.6	4.3	25.1	14.5	10.1	3.3	2.2	1.3	2.5	3.5	3.5	3.4	2.8	
	F (Prob)	0.08	0.01	0.00	0.00	0.00	0.44	0.76	0.00	0.00	0.55	0.01	0.00	0.00	0.00	0.68	0.00	0.00	
	CD (5%)	4.6	4.6	2.5	2.2	1.9	4.5	27.9	8.9	4.6	7.4	4.6	2.5	2.9	6.5	5.5	4.1	2.4	
	CD (1%)	6.3	6.2	3.5	3.0	2.6	6.1	38.0	11.9	6.1	10.1	6.2	3.4	3.9	8.8	7.5	5.4	3.1	

TABLE No. 23: (Contd.)

Plant Height(cm)

Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)					All India	Zone-IV(PZ)				Zone-V(CWZ)					All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5	Devisour		Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5			
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		Mean	Mean	Mean	Mean	Mean	Mean	Mean			
1	ADH 1619	203.2	150.1	210.0	187.8	150.5	167.5	208.0	175.3	181.5	94.5	47.9	110.0	84.1	77.0	82.5	62.5	74.0	79.1		
2	ADH 1620	213.3	150.6	220.0	194.6	185.5	174.0	201.0	186.8	190.7	101.3	46.9	112.5	86.9	78.5	80.0	75.0	77.8	82.4		
3	ADH 1621	196.1	136.8	220.0	184.3	177.0	170.0	218.5	188.5	186.4	89.6	34.2	115.0	79.6	81.0	72.5	75.0	76.2	77.9		
4	DHM117	229.2	148.6	212.5	196.8	197.5	165.0	203.5	188.7	192.7	105.3	43.2	120.0	89.5	92.0	75.0	55.0	74.0	81.8		
5	DMRH1306	249.7	150.0	205.0	201.6	169.0	169.0	201.0	179.7	190.6	109.2	49.7	95.0	84.6	75.0	72.5	70.0	72.5	78.6		
6	DMRH1419	231.3	139.2	225.0	198.5	173.0	185.8	205.5	188.1	193.3	119.9	42.8	130.0	97.6	84.5	92.5	80.0	85.7	91.6		
7	IMH 1533	200.0	126.2	175.0	167.1	142.5	171.0	184.5	166.0	166.5	91.1	31.0	85.0	69.0	68.5	75.0	67.0	70.2	69.6		
8	IMH1618	232.7	151.2	227.5	203.8	178.5	165.0	192.0	178.5	191.1	106.7	48.2	112.5	89.1	91.0	72.5	65.0	76.2	82.7		
9	OMH14-27	231.7	146.2	220.0	199.3	180.0	170.0	228.0	192.7	196.0	101.6	47.4	112.5	87.2	74.0	80.0	82.5	78.8	83.0		
10	PMH4	203.6	130.5	172.5	168.9	162.0	177.5	186.5	175.3	172.1	89.1	33.8	80.0	67.6	75.0	87.5	70.5	77.7	72.6		
11	RCRMH3(CAH156)	233.1	127.9	225.0	195.3	182.5	179.0	189.0	183.5	189.4	108.0	19.7	112.5	80.1	70.5	87.5	58.5	72.2	76.1		
12	RCRMH4-1	214.6	121.2	195.0	176.9	167.5	175.0	212.5	185.0	181.0	87.9	24.6	80.0	64.2	73.0	75.0	76.0	74.7	69.4		
13	RCRMH5	208.2	132.8	210.0	183.7	158.0	162.5	90.0	136.8	160.3	109.5	33.7	117.5	86.9	75.5	75.0	22.5	57.7	72.3		
14	RCRMH6	200.5	141.0	212.5	184.7	165.0	165.8	208.0	179.6	182.1	95.8	42.6	110.0	82.8	70.5	72.5	77.5	73.5	78.1		
15	RCRMH8	217.2	153.0	232.5	200.9	188.5	177.5	206.5	190.8	195.9	101.3	50.7	117.5	89.8	88.5	82.5	70.0	80.3	85.1		
16	VaMH 13023	219.6	139.3	205.0	188.0	174.0	154.5	102.5	143.7	165.8	104.3	35.2	102.5	80.7	70.0	65.0	27.5	54.2	67.4		
17	VaMH 15028	225.2	144.4	217.5	195.7	188.5	171.5	199.5	186.5	191.1	107.6	43.8	115.0	88.8	95.0	82.5	75.0	84.2	86.5		
18	VaMH 15030	219.1	136.0	217.5	190.9	178.5	170.0	195.0	181.2	186.0	101.4	38.3	107.5	82.4	72.5	75.0	60.0	69.2	75.8		
19	WH-2096	187.2	131.3	160.0	159.5	119.5	174.0	216.0	169.8	164.7	67.5	31.8	65.0	54.8	40.0	80.0	81.5	67.2	61.0		
20	BIO 9544 (C)	216.1	150.2	187.5	184.6	155.0	172.5	213.0	180.2	182.4	108.3	43.1	102.5	84.6	78.0	77.5	77.5	77.7	81.1		
21	CMH 08-292 (C)	225.6	130.0	222.5	192.7	193.5	173.5	188.0	185.0	188.9	112.8	34.7	127.5	91.7	102.0	80.0	62.5	81.5	86.6		
22	DHM 121 (C)	.	.	.	.	0.0	165.0	210.5	125.2	.	.	.	.	0.0	79.0	67.5	48.8	.	.
	Location Mean	217.0	139.8	208.2	188.3	163.0	170.7	193.6	175.8	181.9	100.6	39.2	106.2	82.0	74.2	78.3	66.3	72.9	77.3		
	CV (%)	6.6	7.7	5.2	6.4	8.3	5.8	25.7	16.9	12.6	8.7	20.5	9.3	10.9	13.5	14.2	28.3	18.7	15.1		
	F (Prob)	0.04	0.14	0.00	0.00	0.00	0.62	0.59	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.86	0.25	0.00	0.00		
	CD (5%)	29.9	22.4	22.6	13.8	28.1	20.7	103.5	34.3	18.4	18.2	16.7	20.5	10.3	20.9	23.0	39.1	15.7	9.4		
	CD (1%)	40.8	30.6	30.8	18.4	38.3	28.2	140.9	45.5	24.4	24.8	22.8	28.0	13.7	28.4	31.4	53.2	20.9	12.5		

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TABLE No. 24: Trial Rainfed Normal Set Early Maturity																Yield (Kg/ha)	
Sl. No.	Entry Name	Zone-IV(PZ)								Zone-V(CWZ)						All India	
		Devisour		Karimnagar		Kolhapur		Zone4		Godhra		Udaipur		Zone5			
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	DMRH1417	4328	9	3804	7	6050	7	3804	7	5176	1	5738	1	5176	1	4490	2
2	GEMH-15115	4305	10	4304	2	5594	9	4304	2	3891	8	2756	8	3891	8	4097	6
3	KDMH-103	4047	11	4176	4	4711	11	4176	4	3566	11	1954	11	3566	11	3871	8
4	Vivek Hybrid 45	6272	3	4219	3	6949	4	4219	3	4632	4	3451	2	4632	4	4426	3
5	Vivek Hybrid 51	5228	4	3239	10	8496	1	3239	10	4750	2	2982	4	4750	2	3995	7
6	WH-2093	4451	8	5173	1	6482	6	5173	1	4206	6	2595	9	4206	6	4689	1
7	WH-2104	4496	7	3908	6	6650	5	3908	6	4298	5	3019	3	4298	5	4103	5
8	PMH5 (C)	7136	1	3701	9	7051	3	3701	9	3686	10	2917	5	3686	10	3694	10
9	Prakash (C)	5084	5	3187	11	5103	10	3187	11	3926	7	2839	7	3926	7	3557	11
10	BIO605 (C)	5071	6	3923	5	6036	8	3923	5	3798	9	2874	6	3798	9	3861	9
11	DKC 7074 (C)	6686	2	3799	8	7270	2	3799	8	4735	3	2582	10	4735	3	4267	4
	Location Mean	5162	.	3948	.	6399	.	3948	.	4242	.	3064	.	4242	.	4066	.
	CV (%)	21	.	16	.	21	.	16	.	15	.	31	.	15	.	15	.
	F (Prob)	0	.	0	.	0	.	0	.	0	.	0	.	0	.	0	.
	CD (5%)	1859	.	1076	.	2287	.	1076	.	1132	.	1643	.	1387	.	829	.
	CD (1%)	2541	.	1467	.	3120	.	1467	.	1611	.	2241	.	1972	.	1116	.

TABLE No. 24: (Contd.)		Plant Stand('000/ha)									Shelling(%)									
Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)					All India	Zone-IV(PZ)				Zone-V(CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5	Devisour		Karimnagar	Kolhapur	Zone4	Godhra	Udaipur	Zone5			
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		Mean	Mean	Mean	Mean	Mean	Mean			
1	DMRH1417	31.9	54.9	48.4	51.7	53.3	39.6	63.0	52.0	51.8	77.6	81.1	89.5	82.7	88.0	78.3	83.1	82.9		
2	GEMH-15115	27.8	63.6	44.9	54.3	68.3	40.6	64.2	57.7	56.3	79.2	81.2	85.2	81.9	81.0	73.7	77.3	80.1		
3	KDMH-103	40.7	66.1	44.4	55.3	70.0	33.3	66.7	56.7	56.1	76.2	83.7	77.1	79.0	84.6	73.7	79.1	79.1		
4	Vivek Hybrid 45	45.1	63.6	57.3	60.4	70.0	53.1	63.6	62.2	61.5	79.5	82.1	83.7	81.8	87.5	77.4	82.5	82.0		
5	Vivek Hybrid 51	49.1	55.6	60.3	57.9	70.0	43.8	76.5	63.4	61.2	79.8	80.0	86.1	81.9	85.0	73.0	79.0	80.8		
6	WH-2093	41.2	66.7	52.8	59.8	68.3	42.7	71.6	60.9	60.4	75.8	83.3	83.9	81.0	82.5	71.3	76.9	79.3		
7	WH-2104	38.0	58.0	54.8	56.4	61.7	37.5	75.9	58.4	57.6	76.4	81.9	82.6	80.3	84.3	78.9	81.6	80.8		
8	PMH5 (C)	47.7	63.0	57.8	60.4	70.0	45.8	67.3	61.0	60.8	78.8	80.9	84.4	81.4	75.2	74.4	74.8	78.8		
9	Prakash (C)	39.4	54.3	49.4	51.9	53.3	33.3	69.1	51.9	51.9	79.5	80.4	85.4	81.8	89.0	79.3	84.1	82.7		
10	BIO605 (C)	41.2	61.1	53.3	57.2	63.3	47.9	66.7	59.3	58.5	79.3	78.1	83.0	80.1	74.5	73.3	73.9	77.6		
11	DKC 7074 (C)	50.5	57.4	56.3	56.9	65.0	55.2	70.4	63.5	60.9	82.3	80.5	86.5	83.1	80.5	69.3	74.9	79.8		
	Location Mean	41.0	60.4	52.7	56.5	64.9	43.0	68.6	60.2	58.5	78.6	81.2	84.3	81.4	82.9	74.8	78.0	80.2		
	CV (%)	20.3	12.6	11.5	11.8	9.5	21.5	10.7	12.6	12.4	3.0	3.4	0.0	2.6	0.0	6.1	4.6	3.4		
	F (Prob)	0.08	0.43	0.06	0.00	0.12	0.38	0.35	0.00	0.00	0.10	0.50	0.00	0.00	0.00	0.20	0.00	0.00		
	CD (5%)	14.2	12.9	10.3	7.8	11.2	16.8	12.5	8.4	5.8	4.0	4.7	0.0	2.0	0.0	7.8	4.7	2.1		
	CD (1%)	19.4	17.6	14.1	10.4	15.9	24.0	17.1	11.2	7.6	5.5	6.4	0.0	2.6	0.0	10.6	6.4	2.7		

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TABLE No. 24: (Contd.)		Moisture(%)									Days to 50% Pollen										
Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)					All India	Zone-IV(PZ)				Zone-V(CWZ)					All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5	Devisour		Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5			
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		Mean	Mean	Mean	Mean	Mean	Mean	Mean			
1	DMRH1417	12.2	16.1	9.6	12.7	10.9	20.0	20.0	17.0	14.8	50.0	54.0	54.3	52.8	56.5	47.5	47.3	50.4	51.6		
2	GEMH-15115	12.6	16.2	9.9	12.9	11.0	20.0	20.0	17.0	15.0	49.0	52.3	54.0	51.8	54.0	46.0	44.7	48.2	50.0		
3	KDMH-103	12.4	17.2	10.2	13.2	11.8	20.0	20.0	17.3	15.2	52.0	51.7	55.3	53.0	54.0	48.5	43.7	48.7	50.9		
4	Vivek Hybrid 45	12.5	17.6	9.6	13.2	11.0	20.0	20.0	17.0	15.1	55.4	50.3	54.3	53.4	54.0	44.0	49.7	49.2	51.3		
5	Vivek Hybrid 51	12.3	16.6	11.4	13.4	16.9	20.0	20.0	19.0	16.2	52.3	51.7	54.0	52.7	53.5	49.0	44.7	49.1	50.9		
6	WH-2093	12.4	16.3	10.1	12.9	10.9	20.0	20.0	17.0	14.9	49.3	50.3	55.0	51.6	54.0	44.5	43.7	47.4	49.5		
7	WH-2104	12.0	19.2	9.9	13.7	11.2	20.0	20.0	17.1	15.4	49.3	51.7	55.3	52.1	54.0	48.0	47.3	49.8	50.9		
8	PMH5 (C)	12.7	17.5	11.4	13.9	13.0	20.0	20.0	17.7	15.8	51.7	49.7	56.0	52.4	57.5	43.0	50.7	50.4	51.4		
9	Prakash (C)	13.0	16.2	10.2	13.1	11.4	20.0	20.0	17.1	15.1	50.3	55.0	55.7	53.7	54.0	50.0	44.3	49.4	51.6		
10	BIO605 (C)	12.5	21.8	11.0	15.1	12.3	20.0	20.0	17.4	16.3	52.3	53.0	55.0	53.4	54.5	48.0	51.7	51.4	52.4		
11	DKC 7074 (C)	12.6	18.3	10.7	13.8	12.6	20.0	20.0	17.5	15.7	53.7	53.3	55.0	54.0	56.0	48.0	49.0	51.0	52.5		
	Location Mean	12.5	17.6	10.3	13.5	12.1	20.0	20.0	17.7	15.3	51.3	52.1	54.9	52.8	54.7	47.0	47.0	49.2	51.2		
	CV (%)	4.1	15.3	3.3	11.9	11.1	0.0	0.0	3.6	8.5	5.0	4.4	1.8	3.9	1.5	4.9	4.4	3.9	3.9		
	F (Prob)	0.64	0.34	0.00	0.02	0.03	.	.	0.02	0.02	0.19	0.18	0.25	0.00	0.01	0.16	0.00	0.00	0.00		
	CD (5%)	0.9	4.6	0.6	1.5	2.4	0.0	0.0	0.7	0.9	4.4	3.9	1.7	1.9	1.5	4.2	3.5	2.1	1.4		
	CD (1%)	1.2	6.3	0.8	2.0	3.5	0.0	0.0	0.9	1.2	6.0	5.3	2.3	2.6	2.2	6.0	4.8	2.8	1.9		

TABLE No. 24: (Contd.)											Days to 50% Silking					Days to 75% Dry Husk					
Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)					All India	Zone-IV(PZ)				Zone-V(CWZ)					All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5	Devisour		Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Zone5				
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		Mean	Mean	Mean	Mean	Mean	Mean	Mean			
1	DMRH1417	53.0	56.7	56.3	55.3	58.0	49.5	51.3	52.9	54.1	90.0	95.0	89.3	91.4	88.5	78.5	83.5	88.3			
2	GEMH-15115	52.0	54.3	56.0	54.1	54.5	47.5	48.3	50.1	52.1	88.3	90.7	89.0	89.3	93.0	73.0	83.0	86.8			
3	KDMH-103	54.0	53.7	57.3	55.0	55.0	51.5	48.7	51.7	53.4	90.3	88.7	90.3	89.8	88.5	78.5	83.5	87.3			
4	Vivek Hybrid 45	57.4	52.7	56.7	55.6	55.0	46.5	53.0	51.5	53.6	94.2	84.7	89.7	89.6	89.0	73.0	81.0	86.2			
5	Vivek Hybrid 51	54.3	53.7	56.0	54.7	54.5	50.0	47.0	50.5	52.6	92.7	87.0	89.0	89.6	89.0	71.5	80.3	85.8			
6	WH-2093	52.7	53.0	57.0	54.2	54.5	46.5	47.0	49.3	51.8	89.0	86.0	90.0	88.3	85.0	73.0	79.0	84.6			
7	WH-2104	52.0	54.3	57.3	54.6	54.5	50.0	50.3	51.6	53.1	88.7	89.0	90.3	89.3	88.5	73.5	81.0	86.0			
8	PMH5 (C)	54.0	53.0	58.0	55.0	59.0	46.0	54.0	53.0	54.0	91.7	85.0	91.0	89.2	89.0	71.0	80.0	85.5			
9	Prakash (C)	52.3	56.7	56.7	55.2	54.5	52.0	47.3	51.3	53.3	90.7	95.3	90.7	92.2	87.5	74.5	81.0	87.7			
10	BIO605 (C)	54.7	55.7	57.0	55.8	55.5	50.0	54.7	53.4	54.6	92.7	90.0	90.0	90.9	87.5	71.5	79.5	86.3			
11	DKC 7074 (C)	55.3	55.7	57.0	56.0	57.0	49.5	54.0	53.5	54.8	94.7	91.3	90.0	92.0	92.5	74.5	83.5	88.6			
	Location Mean	53.7	54.5	56.9	55.0	55.6	49.0	50.5	51.6	53.5	91.1	89.3	89.9	90.1	88.9	73.9	81.4	87.4			
	CV (%)	4.8	3.8	1.8	3.6	1.6	4.8	3.9	3.6	3.6	3.2	5.9	1.0	3.9	1.6	2.9	2.1	3.6			
	F (Prob)	0.45	0.22	0.43	0.00	0.00	0.25	0.00	0.00	0.00	0.19	0.24	0.23	0.07	0.01	0.05	0.07	0.07			
	CD (5%)	4.4	3.6	1.7	1.9	1.6	4.3	3.4	2.1	1.4	5.0	9.0	1.6	3.3	2.6	3.9	2.6	2.5			
	CD (1%)	6.0	4.9	2.4	2.5	2.3	6.1	4.6	2.8	1.8	6.8	12.2	2.2	4.4	3.7	5.5	3.5	3.4			

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TABLE No. 24: (Contd.)		Plant Height(cm)									Ear Height										
Sl. No.	Entry Name	Zone-IV(PZ)				Zone-V(CWZ)					All India	Zone-IV(PZ)				Zone-V(CWZ)					All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5	Devisour		Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5			
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		Mean	Mean	Mean	Mean	Mean	Mean	Mean			
1	DMRH1417	180.1	185.5	175.0	180.2	153.0	182.5	174.0	169.8	175.0	90.9	79.0	98.3	89.4	70.5	86.7	55.7	70.9	80.2		
2	GEMH-15115	186.5	183.0	161.7	177.1	150.0	185.0	161.3	165.4	171.3	91.7	80.0	81.7	84.5	61.0	88.3	49.3	66.2	75.3		
3	KDMH-103	188.7	185.5	175.0	183.1	150.0	187.5	165.3	167.6	175.3	95.0	79.1	80.0	84.7	60.0	90.0	52.7	67.6	76.1		
4	Vivek Hybrid 45	188.2	177.8	156.7	174.2	150.5	186.7	137.7	158.3	166.2	105.6	71.7	73.3	83.1	69.5	91.7	31.3	64.2	73.7		
5	Vivek Hybrid 51	183.1	186.8	161.7	177.2	152.5	177.5	171.0	167.0	172.1	91.7	81.9	85.0	86.2	68.5	82.5	64.0	71.7	78.9		
6	WH-2093	176.9	169.5	178.3	174.9	140.0	185.8	163.7	163.2	169.0	81.6	66.6	86.7	78.3	61.0	90.8	44.0	65.3	71.8		
7	WH-2104	179.9	191.9	166.7	179.5	153.0	183.2	163.7	166.6	173.0	79.8	84.5	70.0	78.1	67.5	85.8	54.3	69.2	73.7		
8	PMH5 (C)	178.2	187.6	195.0	186.9	178.0	192.5	159.7	176.7	181.8	89.1	78.3	95.0	87.5	78.5	94.2	49.3	74.0	80.7		
9	Prakash (C)	180.5	177.9	186.7	181.7	156.5	170.8	153.3	160.2	171.0	89.3	75.3	95.0	86.5	58.5	75.0	46.7	60.1	73.3		
10	BIO605 (C)	181.1	183.6	205.0	189.9	173.0	175.0	188.0	178.7	184.3	100.1	81.2	100.0	93.7	66.5	87.5	64.3	72.8	83.3		
11	DKC 7074 (C)	188.5	190.9	186.7	188.7	155.5	176.7	151.3	161.2	174.9	87.9	89.4	101.7	93.0	82.5	82.5	49.7	71.6	82.3		
	Location Mean	182.7	183.6	177.1	181.1	155.6	182.1	162.6	166.2	174.6	90.6	78.8	87.9	85.7	67.6	86.8	51.0	66.0	77.0		
	CV (%)	10.3	9.2	14.2	11.1	8.9	6.7	8.9	8.3	10.3	12.1	18.8	15.3	15.4	11.1	12.1	16.2	13.2	15.1		
	F (Prob)	1.00	0.91	0.42	0.24	0.38	0.82	0.04	0.24	0.24	0.37	0.86	0.09	0.06	0.14	0.85	0.01	0.06	0.06		
	CD (5%)	32.2	28.8	42.9	19.0	25.1	22.2	24.5	15.1	12.9	18.7	25.2	22.9	12.5	13.7	19.2	14.1	9.6	8.3		
	CD (1%)	44.0	39.3	58.5	25.3	35.8	31.6	33.4	20.2	17.0	25.6	34.4	31.2	16.6	19.5	27.3	19.2	12.8	11.0		

TABLE No. 25: (Contd.)		Yield (Kg/ha)															
Sl. No.	Entry Name	Zone-IV (PZ)								Zone-V (CWZ)						All India	
		Devisour		Karimnagar		Kolhapur		Zone4		Godhra		Udaipur		Zone5		Mean	R
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R		
1	DMRH1417	4150	6	1782	2	5189	8	4669	8	3511	5	5524	1	4518	1	4594	5
2	GEMH-15115	4074	8	1696	3	4636	10	4355	10	2417	8	2445	10	2431	9	3393	10
3	KDMH-103	3725	11	459	11	4514	11	4120	11	1609	11	2008	11	1808	11	2964	11
4	WH-2093	3753	10	901	10	5329	7	4541	9	2061	10	2614	8	2338	10	3439	9
5	WH-2104	3834	9	1440	8	6024	5	4929	6	2914	7	3083	6	2998	6	3964	7
6	Vivek Hybrid 45	4082	7	2062	1	8103	1	6109	3	4104	2	3615	2	3859	2	4984	3
7	Vivek Hybrid 51	5442	3	1629	5	8024	2	6733	2	4265	1	2735	7	3500	5	5116	2
8	PMH5 (C)	6091	2	1558	7	7670	3	6880	1	3834	4	3389	4	3611	4	5246	1
9	Prakash (C)	4312	5	1327	9	5072	9	4692	7	2951	6	2532	9	2741	7	3717	8
10	BIO605 (C)	4842	4	1627	6	6030	4	5436	5	2189	9	3230	5	2710	8	4073	6
11	DKC 7074 (C)	6366	1	1659	4	5548	6	5957	4	3951	3	3417	3	3684	3	4820	4
	Location Mean	4625	.	1467	.	6013	.	5329	.	3073	.	3145	.	3116	.	4315	.
	CV (%)	22.2	.	27.1	.	13.0	.	16.4	.	21.6	.	22.0	.	21.9	.	18.7	.
	F (Prob)	0.04	.	0.01	.	0.00	.	0.00	.	0.02	.	0.00	.	0.00	.	0.00	.
	CD (5%)	1751	.	676	.	1326	.	1022	.	1207	.	1177	.	899	.	699	.
	CD (1%)	2393	.	923	.	1809	.	1369	.	1717	.	1606	.	1211	.	928	.

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TABLE No. 25: (Contd.)		Plant Stand('000/ha)								
Sl. No.	Entry Name	Zone-IV (PZ)				Zone-V (CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwara	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DMRH1417	25.9	63.6	48.9	46.1	70.0	51.0	59.9	60.3	53.2
2	GEMH-15115	26.4	61.7	45.9	44.7	68.3	32.3	61.1	53.9	49.3
3	KDMH-103	29.2	74.7	44.4	49.4	68.3	27.1	58.6	51.4	50.4
4	WH-2093	32.9	72.8	52.4	52.7	70.0	44.8	60.5	58.4	55.6
5	WH-2104	32.4	74.1	51.9	52.8	66.7	36.5	66.7	56.6	54.7
6	Vivek Hybrid 45	36.5	66.1	60.3	54.1	70.0	47.9	61.7	59.9	57.0
7	Vivek Hybrid 51	39.8	72.2	61.7	57.9	60.0	52.1	66.1	59.4	58.7
8	PMH5 (C)	36.1	71.6	61.7	56.5	51.7	47.9	67.9	55.8	56.2
9	Prakash (C)	28.2	67.9	47.4	47.9	56.7	39.6	59.3	51.8	49.8
10	BIO605 (C)	28.7	74.1	55.3	52.7	70.0	42.7	64.8	59.2	55.9
11	DKC 7074 (C)	44.0	66.7	53.8	54.8	60.0	46.9	58.0	55.0	54.9
	Location Mean	32.6	69.6	53.1	51.9	64.7	42.6	62.2	57.3	54.3
	CV (%)	19.2	13.2	8.3	13.3	12.7	14.6	9.4	11.5	12.5
	F (Prob)	0.04	0.67	0.00	0.00	0.37	0.04	0.42	0.00	0.00
	CD (5%)	10.7	15.6	7.5	6.5	15.0	11.3	9.9	7.3	4.9
	CD (1%)	14.6	21.3	10.3	8.7	21.3	16.1	13.5	9.7	6.4
Shelling(%)										
Sl. No.	Entry Name	Zone-IV (PZ)				Zone-V (CWZ)			All India	
		Devisour	Karimnagar	Kolhapur	Zone4	Godhra	Udaipur	Zone5		
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	DMRH1417	77.0	75.5	80.5	77.7	76.2	77.5	76.8	77.3	
2	GEMH-15115	78.5	73.2	80.0	77.2	72.5	71.6	72.1	75.2	
3	KDMH-103	74.6	74.5	78.4	75.8	74.6	73.2	73.9	75.1	
4	WH-2093	75.8	75.4	75.0	75.4	72.5	72.8	72.7	74.3	
5	WH-2104	76.2	73.6	84.5	78.1	74.3	74.2	74.3	76.6	
6	Vivek Hybrid 45	75.5	72.7	86.5	78.2	80.5	74.8	77.6	78.0	
7	Vivek Hybrid 51	80.2	74.5	82.6	79.1	75.0	75.5	75.3	77.6	
8	PMH5 (C)	78.7	75.1	80.7	78.1	75.2	76.9	76.0	77.3	
9	Prakash (C)	78.8	74.7	81.0	78.2	79.2	67.8	73.5	76.3	
10	BIO605 (C)	77.8	74.2	80.9	77.6	77.0	73.7	75.3	76.7	
11	DKC 7074 (C)	81.3	74.2	80.4	78.6	77.5	74.2	75.9	77.5	
	Location Mean	77.7	74.3	80.9	77.6	75.9	73.8	74.6	76.6	
	CV (%)	3.7	2.0	0.0	2.4	0.0	5.7	4.6	3.2	
	F (Prob)	0.18	0.46	0.00	0.00	0.00	0.35	0.00	0.00	
	CD (5%)	4.8	2.6	0.0	1.7	0.0	7.1	4.5	1.9	
	CD (1%)	6.6	3.5	0.0	2.3	0.0	9.7	6.1	2.5	

TABLE No. 25: (Contd.)		Moisture(%)								
Sl. No.	Entry Name	Zone-IV (PZ)				Zone-V (CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwar & Mean	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DMRH1417	12.5	15.9	13.5	14.0	11.6	20.0	20.0	17.2	15.6
2	GEMH-15115	11.9	16.7	12.5	13.7	11.8	20.0	20.0	17.3	15.5
3	KDMH-103	11.7	16.8	12.3	13.6	11.4	20.0	20.0	17.1	15.4
4	WH-2093	12.4	14.8	12.7	13.3	11.1	20.0	20.0	17.0	15.2
5	WH-2104	12.8	15.3	11.3	13.1	11.2	20.0	20.0	17.1	15.1
6	Vivek Hybrid 45	12.3	12.9	11.7	12.3	11.9	20.0	20.0	17.3	14.8
7	Vivek Hybrid 51	12.1	16.1	13.3	13.9	13.9	20.0	20.0	18.0	15.9
8	PMH5 (C)	12.5	15.8	12.7	13.7	13.1	20.0	20.0	17.7	15.7
9	Prakash (C)	12.8	17.1	11.2	13.7	11.2	20.0	20.0	17.1	15.4
10	BIO605 (C)	12.1	16.2	13.2	13.8	13.0	20.0	20.0	17.7	15.7
11	DKC 7074 (C)	12.6	17.1	13.2	14.3	12.1	20.0	20.0	17.4	15.8
	Location Mean	12.3	15.9	12.5	13.6	12.0	20.0	20.0	17.7	15.4
	CV (%)	4.7	11.8	6.1	8.6	6.5	0.0	0.0	2.1	6.1
	F (Prob)	0.42	0.30	0.01	0.04	0.06	.	.	0.04	0.04
	CD (5%)	1.0	3.2	1.3	1.1	1.4	0.0	0.0	0.4	0.7
	CD (1%)	1.3	4.4	1.8	1.5	2.0	0.0	0.0	0.6	0.9
Days to 50% Pollen										
Sl. No.	Entry Name	Zone-IV (PZ)				Zone-V (CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwar & Mean	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DMRH1417	55.0	52.0	54.7	53.9	54.0	44.5	47.3	48.6	51.3
2	GEMH-15115	53.7	51.0	54.0	52.9	54.5	44.5	45.7	48.2	50.6
3	KDMH-103	56.0	51.7	56.0	54.6	54.5	46.0	44.0	48.2	51.4
4	WH-2093	55.0	50.7	54.0	53.2	53.5	44.0	44.3	47.3	50.3
5	WH-2104	54.3	51.0	56.0	53.8	54.0	46.0	46.0	48.7	51.2
6	Vivek Hybrid 45	57.1	51.0	55.0	54.4	54.0	46.5	46.7	49.1	51.7
7	Vivek Hybrid 51	56.0	50.3	54.0	53.4	54.0	44.0	47.0	48.3	50.9
8	PMH5 (C)	55.7	52.3	55.0	54.3	56.5	48.5	49.3	51.4	52.9
9	Prakash (C)	55.0	50.7	55.3	53.7	54.5	46.0	48.7	49.7	51.7
10	BIO605 (C)	56.7	52.3	55.3	54.8	57.5	47.0	51.0	51.8	53.3
11	DKC 7074 (C)	57.3	51.3	55.0	54.6	59.0	46.0	48.7	51.2	52.9
	Location Mean	55.6	51.3	54.9	53.9	55.1	45.7	47.2	49.0	51.8
	CV (%)	2.9	2.1	1.5	2.2	1.7	3.6	3.5	3.1	2.6
	F (Prob)	0.24	0.33	0.04	0.00	0.00	0.30	0.00	0.00	0.00
	CD (5%)	2.7	1.8	1.4	1.1	1.7	3.0	2.8	1.7	1.0
	CD (1%)	3.7	2.5	1.9	1.5	2.4	4.3	3.8	2.2	1.3

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TABLE No. 25: (Contd.)		Days to 50% Silking								
Sl. No.	Entry Name	Zone-IV (PZ)				Zone-V (CWZ)				All India Mean
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwar a	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	DMRH1417	58.0	57.3	56.7	57.3	55.0	46.5	52.7	49.6	54.2
2	GEMH-15115	56.0	55.3	56.7	56.0	55.0	46.5	49.7	48.1	52.8
3	KDMH-103	58.3	59.0	58.0	58.4	55.0	48.0	49.3	48.7	54.5
4	WH-2093	58.0	55.7	56.0	56.6	54.0	46.0	47.7	46.8	52.7
5	WH-2104	57.0	56.0	57.7	56.9	54.5	48.0	51.3	49.7	54.0
6	Vivek Hybrid 45	59.4	55.0	57.0	57.2	55.0	48.5	49.7	49.1	53.9
7	Vivek Hybrid 51	59.3	56.3	56.0	57.2	54.5	47.0	50.7	48.8	53.9
8	PMH5 (C)	58.3	58.7	57.0	58.0	57.5	51.0	52.3	51.7	55.5
9	Prakash (C)	58.3	57.0	57.3	57.6	55.0	48.0	51.0	49.5	54.3
10	BIO605 (C)	59.0	56.7	57.3	57.7	58.0	48.0	53.7	50.8	54.9
11	DKC 7074 (C)	59.3	58.3	57.0	58.2	310.0	47.5	52.0	49.8	54.8
	Location Mean	58.3	56.9	57.0	57.4	78.5	47.7	50.9	49.6	54.6
	CV (%)	2.6	2.1	1.5	2.1	136.5	4.1	3.1	3.4	2.6
	F (Prob)	0.26	0.00	0.21	0.00	0.48	0.53	0.01	0.00	0.00
	CD (5%)	2.6	2.0	1.5	1.2	195.0	3.6	2.7	2.3	1.1
	CD (1%)	3.5	2.8	2.0	1.5	277.4	5.0	3.6	3.0	1.4
TABLE No. 25: (Contd.)		Days to 75% Dry Husk								
Sl. No.	Entry Name	Zone-IV (PZ)				Zone-V (CWZ)				All India Mean
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwar a	Godhra	Zone5		
		Mean	Mean	Mean	Mean	Mean	Mean	Mean		
1	DMRH1417	92.0	100.7	89.7	94.1	89.0	73.5	81.3	89.0	
2	GEMH-15115	88.7	97.7	90.3	92.2	93.0	73.5	83.3	88.6	
3	KDMH-103	93.0	100.3	91.0	94.8	88.5	72.0	80.3	89.0	
4	WH-2093	92.0	97.0	89.0	92.7	87.0	71.5	79.3	87.3	
5	WH-2104	91.0	97.3	91.0	93.1	91.0	75.5	83.3	89.2	
6	Vivek Hybrid 45	96.4	97.7	90.0	94.8	92.0	74.5	83.3	90.2	
7	Vivek Hybrid 51	95.7	98.7	89.0	94.4	90.0	72.5	81.3	89.2	
8	PMH5 (C)	94.0	100.0	90.0	94.7	91.5	75.5	83.5	90.2	
9	Prakash (C)	93.3	99.3	90.0	94.2	90.0	74.5	82.3	89.4	
10	BIO605 (C)	95.3	98.0	90.3	94.6	93.0	74.0	83.5	90.1	
11	DKC 7074 (C)	96.0	99.0	90.0	95.0	92.5	72.5	82.5	90.0	
	Location Mean	93.4	98.7	90.0	94.0	90.7	73.6	82.1	90.4	
	CV (%)	3.2	1.6	0.9	2.1	2.2	3.9	3.0	2.3	
	F (Prob)	0.14	0.09	0.06	0.04	0.14	0.89	0.04	0.04	
	CD (5%)	5.2	2.6	1.3	1.9	3.6	5.2	3.6	1.7	
	CD (1%)	7.1	3.6	1.8	2.5	5.1	7.4	4.9	2.2	

TABLE No. 25: (Contd.)		Plant Height(cm)								
Sl. No.	Entry Name	Zone-IV (PZ)				Zone-V (CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwar a	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	DMRH1417	201.3	142.6	176.7	173.5	178.5	164.2	176.7	173.1	173.3
2	GEMH-15115	196.3	145.5	175.0	172.3	151.5	157.5	143.7	150.9	161.6
3	KDMH-103	198.4	146.9	200.0	181.8	157.5	170.8	163.0	163.8	172.8
4	WH-2093	194.7	132.1	165.0	163.9	133.0	165.8	167.0	155.3	159.6
5	WH-2104	190.6	152.0	165.0	169.2	148.0	175.0	156.0	159.7	164.4
6	Vivek Hybrid 45	200.4	149.5	173.3	174.1	138.5	139.2	138.0	138.6	156.4
7	Vivek Hybrid 51	185.4	151.0	195.0	177.1	153.0	176.7	162.3	164.0	170.6
8	PMH5 (C)	192.5	148.0	211.7	184.1	167.0	192.5	172.7	177.4	180.7
9	Prakash (C)	185.9	146.4	176.7	169.6	148.0	174.2	155.3	159.2	164.4
10	BIO605 (C)	202.9	152.1	211.7	188.9	160.5	189.2	177.0	175.6	182.2
11	DKC 7074 (C)	199.7	143.7	193.3	178.9	131.0	171.7	165.3	156.0	167.5
	Location Mean	195.1	146.4	185.8	175.5	151.5	170.6	161.6	161.3	169.3
	CV (%)	7.1	6.6	9.4	8.0	9.0	7.4	7.5	7.8	8.0
	F (Prob)	0.83	0.44	0.02	0.00	0.11	0.07	0.01	0.00	0.00
	CD (5%)	23.7	16.4	29.8	13.3	24.8	23.0	20.5	13.9	9.6
	CD (1%)	32.4	22.4	40.7	17.6	35.2	32.7	28.0	18.6	12.8
Ear Height(cm)										
Sl. No.	Entry Name	Zone-IV (PZ)				Zone-V (CWZ)				All India
		Devisour	Karimnagar	Kolhapur	Zone4	Chindwar a	Godhra	Udaipur	Zone5	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	DMRH1417	91.3	44.6	90.0	75.3	79.5	68.3	53.3	67.1	71.2
2	GEMH-15115	90.7	46.8	86.7	74.7	67.5	66.7	45.7	59.9	67.3
3	KDMH-103	92.0	45.1	96.7	77.9	64.0	80.0	46.7	63.6	70.7
4	WH-2093	85.9	37.8	65.0	62.9	61.0	71.7	50.0	60.9	61.9
5	WH-2104	81.9	49.2	83.3	71.5	63.0	83.3	38.3	61.6	66.5
6	Vivek Hybrid 45	107.7	50.6	86.7	81.4	52.5	65.0	36.3	51.3	66.4
7	Vivek Hybrid 51	94.9	53.6	98.3	82.3	73.0	85.8	52.0	70.3	76.3
8	PMH5 (C)	94.3	50.3	100.0	81.5	73.0	87.5	57.0	72.5	77.0
9	Prakash (C)	92.9	49.2	86.7	76.2	73.0	83.3	39.0	65.1	70.7
10	BIO605 (C)	103.8	51.1	103.3	86.1	78.0	83.3	54.3	71.9	79.0
11	DKC 7074 (C)	89.5	47.8	93.3	76.9	68.0	77.5	47.0	64.2	70.5
	Location Mean	92.7	47.8	90.0	76.7	68.4	77.5	47.2	61.9	70.2
	CV (%)	11.9	16.7	19.4	16.4	19.5	11.8	21.4	17.4	17.1
	F (Prob)	0.39	0.59	0.41	0.00	0.70	0.24	0.24	0.00	0.00
	CD (5%)	18.8	13.6	29.7	11.8	24.3	16.7	17.2	11.9	8.6
	CD (1%)	25.7	18.5	40.5	15.7	34.5	23.7	23.5	15.9	11.4

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Table No. 26		ZT1		Yield (Kg/ha)				Plant Height(cm)			Ear Height(cm)		
Sl. No.	Entry	Almora		Srinagar		Zone-I (NHZ)		Almora	Srinagar	Zone All	Almora	Srinagar	Zone All
		Mean	Rank	Mean	Rank	Mean	Rank						
1	FH 3815	10312	6	4746	15	7577	8	238.5	170.0	202.5	120.1	96.6	107.5
2	FH 3819	11212	1	6767	1	8989	1	230.0	183.3	206.7	106.7	96.7	101.7
3	FH 3820	9127	15	5943	6	7535	9	213.3	165.0	189.2	96.7	96.7	96.7
4	FH 3821	8672	18	4678	16	6723	20	226.0	190.0	206.3	117.6	104.1	110.0
5	FH 3827	9400	13	6066	5	7733	4	213.3	165.0	189.2	98.3	90.0	94.2
6	FH 3848	7770	22	5055	13	6217	22	218.1	156.7	188.3	100.1	82.3	91.7
7	FH 3849	10450	4	6204	3	8327	2	236.7	185.0	210.8	108.3	96.7	102.5
8	FH 3850	10546	3	3951	20	7297	13	221.0	152.5	185.0	112.6	84.1	97.5
9	FH 3854	8091	21	5858	7	6974	19	235.0	170.0	202.5	125.0	95.0	110.0
10	KDMH 102	8506	20	6190	4	7467	11	229.9	182.5	207.5	120.7	98.0	110.0
11	KDMH 103	8799	17	5639	9	7219	15	238.3	175.0	206.7	115.0	94.7	104.8
12	KDMH 104	10975	2	4374	18	7722	6	223.5	177.5	198.8	107.6	94.1	100.0
13	KMH-14-46	10205	7	3864	22	7034	18	231.7	155.0	193.3	111.7	86.7	99.2
14	KMH-14-50	10394	5	5151	11	7773	3	240.0	180.0	210.0	116.7	100.0	108.3
15	LMH 116	8593	19	3905	21	6249	21	233.3	171.7	202.5	118.3	90.0	104.2
16	LMH 216	8988	16	5799	8	7513	10	246.6	199.2	224.2	137.4	106.4	122.5
17	LMH 316	9424	12	6459	2	7726	5	219.7	155.8	190.0	109.2	88.7	100.0
18	LMH 416	9191	14	4909	14	7050	17	231.7	191.7	211.7	116.7	96.7	106.7
19	LMH 516	10003	8	4192	19	7145	16	231.0	205.0	216.3	125.1	109.1	116.3
20	UDMH 133	9494	11	5277	10	7434	12	236.0	177.5	205.0	117.6	94.1	105.0
21	Vivek Hybrid 39	9909	9	4637	17	7273	14	243.3	201.7	222.5	126.7	108.3	117.5
22	Vivek Hybrid 45	9840	10	5084	12	7581	7	238.3	187.5	214.2	114.1	99.7	107.5
	Location Mean	9495	.	5149	.	7757	.	230.8	177.0	203.9	114.4	95.7	105.1
	CV (%)	16.6	.	16.3	.	17.7	.	6.2	14.0	9.8	12.4	10.9	11.8
	F (Prob)	0.56	.	0.08	.	0.58	.	0.32	0.49	0.05	0.23	0.29	0.01
	CD (5%)	2609	.	1441	.	1868	.	23.7	40.9	25.7	23.6	17.3	16.0
	CD (1%)	3499	.	1980	.	2488	.	31.7	54.8	34.1	31.6	23.2	21.2

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Table No. 26		ZT1			Plant Stand('000/ha)			Shelling (%)			Moisture (%)		
Sl. No.	Entry	Almora	Srinagar	Zone-I (NHZ)	Almora	Srinagar	Zone-I (NHZ)	Almora	Srinagar	Zone-I (NHZ)			
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean			
1	FH 3815	63.8	83.3	73.6	85.4	79.3	82.3	15.7	15.0	15.4			
2	FH 3819	66.7	83.3	75.0	83.4	78.3	80.9	16.0	17.0	16.5			
3	FH 3820	62.0	83.3	72.7	83.3	78.8	81.1	16.3	17.0	16.6			
4	FH 3821	65.2	83.3	74.3	86.5	79.8	83.0	15.8	16.0	15.9			
5	FH 3827	61.1	83.3	72.2	84.5	79.0	81.8	16.8	16.5	16.7			
6	FH 3848	63.5	81.9	72.6	84.9	79.9	82.4	15.3	16.5	15.9			
7	FH 3849	64.8	83.3	74.1	83.2	78.8	81.0	17.3	17.5	17.4			
8	FH 3850	66.6	83.3	75.0	84.6	79.5	81.9	15.8	15.5	15.7			
9	FH 3854	61.1	83.3	72.2	84.4	79.3	81.8	16.0	14.5	15.3			
10	KDMH 102	66.5	82.7	74.6	84.2	79.6	82.0	16.2	16.5	16.4			
11	KDMH 103	62.0	82.6	72.3	82.7	79.5	81.1	16.1	15.5	15.8			
12	KDMH 104	66.6	81.3	73.9	87.6	79.5	83.5	15.9	16.0	15.9			
13	KMH-14-46	65.7	82.6	74.2	85.3	80.0	82.6	16.3	16.0	16.1			
14	KMH-14-50	64.8	83.3	74.1	85.4	79.5	82.4	16.6	18.0	17.3			
15	LMH 116	64.8	82.6	73.7	86.2	79.5	82.9	16.3	16.5	16.4			
16	LMH 216	62.8	83.4	73.1	83.1	78.6	81.0	16.3	18.5	17.4			
17	LMH 316	67.0	83.3	75.1	83.7	78.9	81.4	17.2	16.5	16.8			
18	LMH 416	65.7	83.3	74.5	84.6	79.5	82.0	16.4	16.0	16.2			
19	LMH 516	66.6	82.3	74.5	85.5	79.0	82.2	16.6	16.0	16.3			
20	UDMH 133	66.6	82.3	74.5	85.3	79.5	82.3	17.3	17.0	17.2			
21	Vivek Hybrid 39	66.7	83.3	75.0	84.8	79.5	82.1	16.4	16.5	16.5			
22	Vivek Hybrid 45	66.5	82.7	74.6	84.0	79.6	81.9	16.3	13.5	14.9			
	Location Mean	64.8	83.0	73.9	84.6	79.3	82.5	16.3	16.3	16.3			
	CV (%)	4.0	0.9	2.6	2.5	0.8	2.1	6.1	4.5	5.6			
	F (Prob)	0.10	0.16	0.12	0.71	0.58	0.82	0.84	0.01	0.01			
	CD (5%)	4.3	1.3	2.5	3.5	1.1	2.4	1.7	1.3	1.3			
	CD (1%)	5.8	1.7	3.3	4.6	1.5	3.2	2.2	1.7	1.7			

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Table No. 26		ZT1	Days to 50% Pollen			Days to 50% Silking			Days to 75% Dry Husk		
Sl. No.	Entry	Almora	Srinagar	Zone-I (NHZ)	Almora	Srinagar	Zone-I (NHZ)	Almora	Srinagar	Zone-I (NHZ)	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
1	FH 3815	52.4	64.9	58.5	53.6	67.6	60.5	100.3	110.3	105.3	
2	FH 3819	52.3	68.3	60.3	53.7	71.0	62.3	103.3	114.3	108.8	
3	FH 3820	51.0	65.0	58.0	52.3	67.7	60.0	102.7	111.0	106.8	
4	FH 3821	50.4	61.4	55.8	52.1	63.6	57.8	100.3	105.8	103.0	
5	FH 3827	51.7	68.0	59.8	54.3	70.7	62.5	105.7	112.7	109.2	
6	FH 3848	51.0	64.6	57.7	51.8	67.3	59.3	99.9	110.7	105.3	
7	FH 3849	54.0	67.0	60.5	55.3	69.7	62.5	103.7	114.0	108.8	
8	FH 3850	49.9	66.9	58.3	51.1	69.6	60.3	97.3	114.3	105.8	
9	FH 3854	51.3	64.7	58.0	52.7	67.7	60.2	97.0	109.3	103.2	
10	KDMH 102	52.8	65.2	59.2	53.2	67.4	60.5	99.1	109.5	104.3	
11	KDMH 103	52.3	68.7	60.5	53.0	71.0	62.0	98.0	113.7	105.8	
12	KDMH 104	50.4	62.9	56.5	52.1	65.6	58.8	100.8	109.8	105.3	
13	KMH-14-46	51.0	66.3	58.7	51.7	69.0	60.3	97.7	111.7	104.7	
14	KMH-14-50	52.3	67.3	59.8	52.3	69.3	60.8	97.7	112.7	105.2	
15	LMH 116	50.7	65.0	57.8	51.7	68.0	59.8	97.7	110.0	103.8	
16	LMH 216	53.8	68.2	61.2	52.9	70.4	61.8	97.5	114.2	105.8	
17	LMH 316	52.1	67.7	60.0	53.3	69.7	61.5	102.7	116.9	109.8	
18	LMH 416	52.0	66.7	59.3	53.0	69.0	61.0	100.7	110.3	105.5	
19	LMH 516	52.9	66.9	59.8	54.1	69.1	61.5	98.3	108.8	103.5	
20	UDMH 133	51.9	63.9	57.8	53.6	66.6	60.0	100.3	110.3	105.3	
21	Vivek Hybrid 39	53.0	68.3	60.7	53.0	70.7	61.8	97.7	114.7	106.2	
22	Vivek Hybrid 45	52.4	65.8	59.3	53.2	68.1	60.8	103.1	110.2	106.7	
	Location Mean	52.0	66.2	59.1	52.9	68.7	60.8	100.1	111.8	105.9	
	CV (%)	3.0	5.7	4.8	2.8	5.3	4.5	2.4	3.8	3.2	
	F (Prob)	0.29	0.88	0.27	0.29	0.88	0.45	0.00	0.60	0.04	
	CD (5%)	2.6	6.3	3.7	2.4	6.1	3.5	4.0	7.1	4.4	
	CD (1%)	3.4	8.4	4.9	3.3	8.1	4.7	5.3	9.5	5.8	

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TABLE No. 27 ZT4 Yield (Kg/ha)									
Sl. No.	Entry	Dharwad		Karimnagar		Vagarai		Zone IV (PZ)	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	BH 415008	8135	11	1459	8	5376	14	6755	14
2	BH 415027	10124	5	1505	7	8499	2	9311	2
3	BH 415107	7956	14	1745	6	8017	6	7986	9
4	CMH 08-292 (COH(M) 8	12416	1	2476	5	9387	1	10901	1
5	CMH 08-282 (COH(M) 6	9679	6	2897	3	8158	4	8919	5
6	GH 1301	10218	4	996	13	8323	3	9270	3
7	GH 1414	8319	10	1191	11	5987	12	7153	11
8	QMH 1352	9636	7	1344	9	6263	10	7949	10
9	QMH 1353	10443	3	1291	10	6699	9	8571	6
10	QMH 14107	7997	13	1183	12	6226	11	7111	12
11	QMH 14139	8069	12	949	14	5542	13	6805	13
12	VaMH15015	11078	2	2546	4	7460	8	9269	4
13	DHM-117 C	8701	8	3166	2	8127	5	8414	7
14	DHM-121 C	8673	9	3250	1	7464	7	8068	8
	Location Mean	9389	.	1857	.	7252	.	8320	.
	CV (%)	12.1	.	57.0	.	6.0	.	10.1	.
	F (Prob)	0.00	.	0.09	.	0.00	.	0.00	.
	CD (5%)	1901	.	1776	.	733	.	978	.
	CD (1%)	2570	.	2400	.	992	.	1303	.

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TABLE No. 27		ZT4 Plant Stand('000/ha)				Shelling (%)				Moisture (%)			
Sl. No.	Entry	Dharwad	Karim nagar	Vagarai	Zone IV (PZ)	Dharwad	Karimn agar	Vagarai	Zone IV (PZ)	Dharwad	Karimn agar	Vagarai	Zone IV (PZ)
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BH 415008	56.3	19.5	75.0	65.6	83.5	73.4	77.1	78.0	13.9	20.8	16.0	16.9
2	BH 415027	49.3	16.4	75.0	62.2	81.2	75.9	79.7	78.9	20.0	22.5	16.3	19.6
3	BH 415107	38.9	15.4	75.0	56.9	84.1	76.5	79.7	80.1	17.0	22.6	16.1	18.6
4	CMH 08 -292 (COH(M) 8)	66.0	20.2	81.3	73.6	84.0	75.4	81.8	80.4	13.8	22.3	16.6	17.5
5	CMH 08-282 (COH(M) 6	51.4	25.2	73.6	62.5	82.9	77.0	80.1	80.0	17.9	20.9	16.6	18.5
6	GH 1301	60.4	11.8	76.4	68.4	82.9	75.2	80.3	79.5	15.0	21.5	15.8	17.4
7	GH 1414	60.4	12.9	77.8	69.1	85.0	77.8	77.6	80.1	14.9	21.2	15.8	17.3
8	QMH 1352	67.4	16.4	75.0	71.2	86.7	76.1	78.3	80.4	16.7	20.7	15.9	17.7
9	QMH 1353	65.3	14.3	74.3	69.8	81.8	76.7	77.9	78.8	16.1	22.0	16.4	18.2
10	QMH 14107	56.3	14.0	77.1	66.7	80.2	78.7	77.6	78.8	18.6	21.3	16.1	18.7
11	QMH 14139	57.6	12.2	76.4	67.0	83.8	79.0	76.6	79.8	17.3	20.1	16.4	17.9
12	VaMH15015	55.6	23.4	75.0	65.3	84.8	74.3	78.7	79.3	13.1	21.1	15.8	16.7
13	DHM-117 C	52.8	35.1	74.3	63.5	80.7	75.4	78.9	78.4	15.5	22.5	15.6	17.8
14	DHM-121 C	51.4	28.0	72.9	62.2	80.8	74.5	78.3	77.9	15.0	21.8	15.9	17.5
	Location Mean	56.4	18.9	75.6	66.0	83.0	76.1	78.8	79.3	16.0	21.5	16.1	17.9
	CV (%)	12.2	46.7	3.5	7.9	0.6	4.3	0.7	2.4	15.2	6.9	2.5	9.0
	F (Prob)	0.00	0.10	0.08	0.00	0.00	0.72	0.00	0.05	0.07	0.67	0.06	0.03
	CD (5%)	11.5	14.8	4.4	6.0	0.8	5.5	0.9	1.8	4.1	2.5	0.7	1.5
	CD (1%)	15.6	20.0	6.0	8.0	1.1	7.4	1.2	2.4	5.5	3.4	0.9	2.0

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TABLE No. 27		ZT4 Days to %0 % Pollen				Days to 50% Silking				Days to 75% Dry Husk			
Sl. No.	Entry	Dharwad	Karim nagar	Vagarai	Zone IV (PZ)	Dharwad	Karim nagar	Vagarai	Zone IV (PZ)	Dharwad	Karim nagar	Vagarai	Zone IV (PZ)
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BH 415008	62.7	56.7	49.3	56.2	63.7	59.7	53.0	58.8	101.3	101.0	94.0	98.8
2	BH 415027	65.3	56.3	54.7	58.8	66.7	59.0	57.3	61.0	107.0	98.7	98.0	101.2
3	BH 415107	63.3	56.3	53.7	57.8	64.3	58.3	56.7	59.8	105.3	100.0	96.0	100.4
4	CMH 08 -292 (COH(M) 8)	62.7	54.0	54.0	56.9	63.7	56.3	56.7	58.9	103.7	98.0	96.0	99.2
5	CMH 08-282 (COH(M) 6)	62.3	55.3	53.0	56.9	62.7	58.0	56.0	58.9	104.0	99.7	96.0	99.9
6	GH 1301	63.0	54.7	53.0	56.9	64.7	57.3	56.0	59.3	106.0	98.3	96.0	100.1
7	GH 1414	62.0	54.3	49.7	55.3	63.0	57.0	53.3	57.8	104.0	98.0	94.3	98.8
8	QMH 1352	62.0	56.3	52.3	56.9	63.0	59.0	55.3	59.1	104.0	100.0	95.7	99.9
9	QMH 1353	61.3	55.0	52.3	56.2	63.3	57.7	55.3	58.8	104.0	99.3	96.0	99.8
10	QMH 14107	62.0	56.0	53.3	57.1	64.3	58.3	57.3	60.0	104.0	98.3	97.3	99.9
11	QMH 14139	61.0	53.7	49.7	54.8	62.3	56.0	54.3	57.6	104.0	98.3	93.7	98.7
12	VaMH15015	62.3	55.3	53.3	57.0	63.3	58.3	56.3	59.3	104.0	101.3	95.7	100.3
13	DHM-117 C	62.7	55.3	54.0	57.3	63.7	58.0	56.7	59.4	104.0	99.7	96.0	99.9
14	DHM-121 C	61.3	55.7	53.7	56.9	62.0	57.7	56.3	58.7	104.0	99.7	96.7	100.1
	Location Mean	62.4	55.4	52.6	56.8	63.6	57.9	55.8	59.1	104.2	99.3	95.8	99.8
	CV (%)	2.5	3.2	1.5	2.6	2.7	3.1	1.4	2.5	1.6	2.0	1.1	1.6
	F (Prob)	0.24	0.63	0.00	0.00	0.24	0.50	0.00	0.00	0.11	0.61	0.00	0.07
	CD (5%)	2.7	3.0	1.3	1.4	2.9	3.0	1.3	1.4	2.8	3.4	1.7	1.5
	CD (1%)	3.6	4.1	1.8	1.8	3.9	4.1	1.8	1.9	3.8	4.6	2.3	2.0

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TABLE No. 27		ZT4 Plant Height(cm)				Ear Height(cm)			
Sl. No.	Entry	Dharwad	Karimnagar	Vagarai	Zone IV (PZ)	Dharwad	Karimnagar	Vagarai	Zone IV (PZ)
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BH 415008	209.3	179.0	149.7	179.3	109.7	88.7	70.3	89.6
2	BH 415027	211.3	180.0	170.9	187.4	106.7	89.0	68.5	88.0
3	BH 415107	205.0	174.3	164.7	181.4	96.0	86.3	63.8	82.0
4	CMH 08 -292 (COH(M) 8)	236.0	201.0	185.7	207.6	125.7	102.7	91.2	106.5
5	CMH 08-282 (COH(M) 6)	232.3	206.0	184.1	207.5	124.0	107.3	90.2	107.2
6	GH 1301	225.7	178.3	166.3	190.1	117.3	91.0	75.0	94.4
7	GH 1414	215.3	173.0	164.1	184.2	108.7	85.7	69.3	87.9
8	QMH 1352	208.3	173.3	152.3	178.0	112.3	87.7	75.1	91.7
9	QMH 1353	237.7	175.3	167.3	193.4	124.3	91.7	78.6	98.2
10	QMH 14107	228.3	181.3	159.3	189.7	112.3	93.0	67.5	90.9
11	QMH 14139	224.0	173.3	147.4	181.6	115.3	87.0	63.5	88.6
12	VaMH15015	229.0	194.7	180.5	201.4	117.3	103.7	83.9	101.6
13	DHM-117 C	231.0	190.7	176.0	199.2	121.3	97.7	87.5	102.2
14	DHM-121 C	220.0	188.7	177.3	195.3	108.0	94.3	75.5	92.6
	Location Mean	222.4	183.5	167.6	191.2	114.2	93.3	75.7	94.4
	CV (%)	5.5	3.8	4.3	4.8	9.5	7.1	5.9	8.3
	F (Prob)	0.03	0.00	0.00	0.00	0.11	0.00	0.00	0.00
	CD (5%)	20.6	11.5	12.0	8.6	18.2	11.2	7.5	7.3
	CD (1%)	27.9	15.6	16.3	11.4	24.7	15.1	10.1	9.7

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TABLE No. 28 ZT5		Yield(kg/ha)									
Sl. No.	Entry	Ambikapur		Banswara		Chindwara		Udaipur		Zone-V (CWZ)	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	CHH 1005	4033	29	4472	26	5339	18	6253	1	5024	18
2	CHH 1008	4367	18	4845	13	6041	10	6198	2	5363	10
3	CHH 1009	4433	16	4491	25	5594	16	4656	19	4793	23
4	CHH 1010	4346	19	5032	5	7775	2	4659	18	5453	6
5	CHH-1007	3993	30	4392	29	7447	4	5577	12	5352	11
6	EH 3341	4143	26	4267	30	4282	29	3808	30	4125	31
7	EH 3342	5452	7	4773	15	7084	5	5108	14	5604	3
8	EH 3343	4261	24	4220	31	4930	25	4332	25	4436	27
9	EH 3344	4526	13	4970	7	5015	24	4148	28	4665	25
10	EH 3345	4528	12	4642	19	5574	17	5673	10	5104	16
11	EH 3346	4733	10	5753	2	4814	26	6018	4	5330	12
12	EH 3347	4390	17	4962	8	5647	15	5586	11	5146	15
13	EH 3348	5054	8	4508	24	6347	9	4674	17	5146	14
14	EH 3349	4500	14	4644	18	5935	13	3612	31	4673	24
15	EH 3350	4107	27	4777	14	4098	30	4474	22	4364	28
16	EH 3351	4329	20	4696	17	6010	12	4849	15	4971	19
17	EH 3352	8269	1	4951	10	7842	1	5862	6	6731	1
18	EH 3353	5865	4	5004	6	6855	7	4378	24	5526	5
19	EH 3354	4321	21	4902	12	7602	3	4830	16	5414	8
20	IAHM 2016-38	5519	6	5094	3	5074	22	5833	7	5380	9
21	PRATAP HYBRID MAIZE 3	6936	2	4631	20	6025	11	4576	20	5542	4
22	PRATAP MAKKA 3	4061	28	4467	27	3761	31	4229	26	4130	30
23	PRATAP MAKKA 9	5793	5	4960	9	6529	8	4467	23	5437	7
24	WH 2225	4782	9	5845	1	5035	23	5415	13	5269	13
25	WH 2226	4450	15	4723	16	4556	27	6014	5	4936	21
26	WH 2227	4275	23	4404	28	4351	28	4202	27	4308	29
27	WH 2228	3873	31	4924	11	5257	20	3955	29	4502	26
28	WH 2229	4314	22	4527	23	5183	21	5768	8	4948	20
29	WH 2231	6558	3	4560	22	7070	6	6026	3	6053	2
30	WH 2232	4187	25	4566	21	5819	14	5678	9	5062	17
31	WH-2224	4709	11	5044	4	5323	19	4560	21	4909	22
	Location Mean	4810	.	4776	.	5749	.	5014	.	5125	.
	CV (%)	15.1	.	10.2	.	26.4	.	5.4	.	19.5	.
	F (Prob)	0.00	.	0.38	.	0.06	.	0.00	.	0.00	.
	CD (5%)	1185	.	813	.	2483	.	451	.	900	.
	CD (1%)	1576	.	1095	.	3302	.	607	.	1187	.

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TABLE No. 28 ZT5		Plant Stand('000/ha)					Shelling (%)				
Sl. No.	Entry	Ambikapur	Banswara	Chindwara	Udaipur	Zone-V (CWZ)	Ambikapur	Banswara	Chindwara	Udaipur	Zone-V (CWZ)
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	CHH 1005	67.4	53.5	56.1	55.6	58.1	78.3	68.8	78.7	82.4	77.0
2	CHH 1008	72.2	52.8	55.6	61.8	60.6	76.5	68.1	79.7	81.3	76.4
3	CHH 1009	70.8	54.9	47.2	52.1	56.3	79.2	68.1	81.5	79.7	77.1
4	CHH 1010	68.1	53.5	50.0	51.4	55.7	79.5	66.6	70.3	80.1	74.1
5	CHH-1007	68.8	50.0	55.6	61.8	59.0	77.9	68.9	74.0	80.2	75.2
6	EH 3341	70.8	55.6	58.3	57.6	60.6	77.7	68.5	81.8	82.5	77.6
7	EH 3342	72.2	54.2	56.7	62.5	61.4	77.4	67.4	79.3	82.4	76.6
8	EH 3343	66.0	56.9	55.6	52.1	57.6	80.3	66.4	81.0	80.5	77.0
9	EH 3344	69.4	54.9	51.1	50.0	56.4	79.2	67.5	83.4	79.9	77.5
10	EH 3345	70.1	50.7	58.3	56.9	59.0	78.4	67.4	86.5	80.5	78.2
11	EH 3346	72.2	54.2	58.3	62.5	61.8	79.0	69.4	81.2	82.1	77.9
12	EH 3347	70.8	50.7	56.1	62.5	60.0	77.7	67.1	81.4	81.4	76.9
13	EH 3348	68.1	53.5	57.2	65.3	61.0	78.2	68.9	79.1	81.9	77.0
14	EH 3349	70.8	55.6	52.2	55.6	58.5	79.0	68.0	81.1	79.0	76.8
15	EH 3350	68.1	54.2	60.0	60.4	60.7	78.5	66.5	79.2	82.0	76.5
16	EH 3351	72.9	56.3	57.2	59.0	61.4	80.4	68.5	78.4	81.6	77.2
17	EH 3352	85.4	52.1	58.3	56.9	63.2	75.4	67.6	80.5	82.0	76.4
18	EH 3353	79.9	54.9	59.4	63.9	64.5	77.2	68.0	82.0	80.3	76.9
19	EH 3354	71.5	54.2	58.9	60.4	61.3	79.2	67.6	79.1	79.4	76.3
20	IAHM 2016-38	68.1	53.5	59.4	57.6	59.7	80.0	67.0	84.0	81.1	78.0
21	PRATAP HYBRID MAIZE 3	81.9	54.2	55.0	57.6	62.2	79.4	68.4	74.9	82.3	76.3
22	PRATAP MAKKA 3	67.4	54.2	63.3	61.8	61.7	78.3	68.6	76.2	79.1	75.5
23	PRATAP MAKKA 9	79.2	52.8	62.8	54.9	62.4	76.4	65.8	83.0	80.5	76.4
24	WH 2225	74.3	51.4	63.3	62.5	62.9	78.3	70.3	81.3	81.5	77.8
25	WH 2226	68.8	54.9	60.6	63.2	61.8	78.1	68.0	81.9	81.7	77.4
26	WH 2227	66.0	56.9	60.0	55.6	59.6	76.2	68.4	81.8	79.8	76.5
27	WH 2228	70.1	52.1	60.0	49.3	57.9	77.5	67.9	82.2	79.6	76.8
28	WH 2229	70.1	53.5	64.4	60.4	62.1	79.5	67.3	76.1	81.9	76.2
29	WH 2231	80.6	54.2	65.0	61.8	65.4	76.8	67.5	78.8	82.3	76.3
30	WH 2232	70.8	54.2	61.1	61.1	61.8	77.8	69.5	78.1	80.1	76.4
31	WH-2224	73.6	53.5	61.7	50.0	59.7	80.0	67.1	84.1	81.2	78.1
	Location Mean	71.8	53.8	58.0	58.2	60.5	78.3	67.9	80.0	81.0	77.3
	CV (%)	8.6	6.7	9.5	5.9	8.0	2.3	1.8	5.2	0.4	3.4
	F (Prob)	0.02	0.89	0.04	0.00	0.00	0.09	0.20	0.02	0.00	0.43
	CD (5%)	10.1	5.9	9.0	5.6	3.9	2.9	2.0	6.8	0.6	2.4
	CD (1%)	13.4	7.8	12.0	7.5	5.1	3.8	2.7	9.0	0.8	3.1

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TABLE No. 28 ZT5		Moisture(%)					Days to 50% Pollen Shed				
Sl. No.	Entry	Ambikapur	Banswara	Chindwara	Udaipur	Zone-V (CWZ)	Ambikapur	Banswara	Chindwara	Udaipur	Zone-V (CWZ)
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	CHH 1005	14.9	15.8	19.3	15.8	16.4	50.7	44.3	52.0	54.7	50.4
2	CHH 1008	13.8	14.3	17.4	17.1	15.6	51.3	45.0	49.7	53.7	49.9
3	CHH 1009	15.3	16.0	16.7	17.1	16.3	51.3	43.7	52.0	53.7	50.2
4	CHH 1010	14.2	15.6	20.1	16.0	16.5	52.3	46.0	55.0	58.7	53.0
5	CHH-1007	14.2	16.1	18.4	15.3	16.0	52.7	44.0	51.0	54.3	50.5
6	EH 3341	14.0	15.2	17.2	15.3	15.4	48.0	44.7	47.3	51.3	47.8
7	EH 3342	15.5	16.2	16.5	15.7	16.0	48.3	44.7	47.0	52.3	48.1
8	EH 3343	14.5	16.5	19.0	15.5	16.4	48.3	44.0	47.0	53.0	48.1
9	EH 3344	14.6	16.6	16.2	15.3	15.7	50.3	32.3	49.3	55.3	46.8
10	EH 3345	14.8	16.1	18.4	17.3	16.6	48.0	43.3	51.0	52.0	48.6
11	EH 3346	14.8	16.5	16.3	15.2	15.7	49.0	45.0	48.0	50.0	48.0
12	EH 3347	14.7	16.0	17.5	15.1	15.8	49.3	46.3	47.7	50.0	48.3
13	EH 3348	15.1	16.5	17.2	15.4	16.0	48.3	44.0	47.3	53.7	48.3
14	EH 3349	15.1	16.5	16.8	15.2	15.9	51.7	44.7	50.7	54.3	50.3
15	EH 3350	14.7	16.2	17.4	15.2	15.9	48.0	47.0	49.7	51.3	49.0
16	EH 3351	14.5	16.5	14.5	15.6	15.3	47.7	44.7	49.0	52.3	48.4
17	EH 3352	17.0	15.9	16.4	16.1	16.4	52.7	44.3	54.3	57.0	52.1
18	EH 3353	15.5	16.6	17.7	14.5	16.1	52.0	43.7	51.0	55.7	50.6
19	EH 3354	14.6	16.6	19.0	15.2	16.3	51.3	45.0	53.3	53.0	50.7
20	IAHM 2016-38	15.5	16.1	14.4	17.4	15.8	48.3	45.7	49.3	50.3	48.4
21	PRATAP HYBRID MAIZE 3	15.9	16.3	17.6	17.5	16.8	52.0	44.3	54.0	55.0	51.3
22	PRATAP MAKKA 3	14.3	15.7	14.6	16.1	15.2	47.3	44.3	49.3	53.7	48.7
23	PRATAP MAKKA 9	15.5	16.7	17.5	16.1	16.4	50.7	46.7	52.7	53.3	50.8
24	WH 2225	15.1	16.4	12.5	15.9	15.0	48.3	46.0	49.3	54.3	49.5
25	WH 2226	14.9	16.7	13.1	15.4	15.0	47.0	43.3	45.7	49.3	46.3
26	WH 2227	14.2	16.6	14.5	17.4	15.6	48.3	45.7	51.7	54.3	50.0
27	WH 2228	13.8	16.7	15.4	17.3	15.8	47.0	44.7	44.0	51.0	46.7
28	WH 2229	14.8	16.6	14.5	16.1	15.5	47.3	44.0	48.3	52.3	48.0
29	WH 2231	16.4	16.2	17.9	15.2	16.4	52.7	45.3	52.0	53.7	50.9
30	WH 2232	14.6	16.2	16.1	15.6	15.6	51.7	42.3	51.7	55.3	50.3
31	WH-2224	15.2	15.9	16.3	15.1	15.6	48.3	46.0	50.3	51.3	49.0
	Location Mean	14.9	16.2	16.7	15.9	15.9	49.7	44.4	50.0	53.2	49.3
	CV (%)	4.7	3.8	10.0	1.7	6.8	2.2	9.8	4.6	1.7	5.2
	F (Prob)	0.00	0.22	0.00	0.00	0.01	0.00	0.53	0.00	0.00	0.00
	CD (5%)	1.2	1.0	2.7	0.5	1.0	1.8	7.1	3.7	1.5	2.1
	CD (1%)	1.5	1.4	3.6	0.6	1.3	2.3	9.5	5.0	2.0	2.7

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TABLE No. 28 ZT5		Days to 50% Silking					Days to 75% Dry Husk			
Sl. No.	Entry	Ambikapur	Banswara	Chindwara	Udaipur	Zone-V (CWZ)	Ambikapur	Banswara	Udaipur	Zone-V (CWZ)
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	CHH 1005	53.7	47.3	53.3	56.0	52.6	88.3	78.7	85.3	84.1
2	CHH 1008	54.3	48.0	51.0	55.7	52.3	90.7	81.0	85.3	85.7
3	CHH 1009	54.0	46.7	52.7	55.3	52.2	91.0	75.7	84.7	83.8
4	CHH 1010	55.0	49.0	56.0	60.3	55.1	91.0	76.0	89.3	85.4
5	CHH-1007	55.3	47.3	51.7	55.7	52.5	89.3	80.3	88.7	86.1
6	EH 3341	51.0	47.7	48.3	53.7	50.2	87.0	76.3	84.0	82.4
7	EH 3342	51.7	47.7	47.7	54.3	50.3	88.3	78.3	84.3	83.7
8	EH 3343	51.7	47.7	48.7	55.0	50.8	88.7	78.3	87.7	84.9
9	EH 3344	53.3	48.3	50.3	57.7	52.4	89.0	81.3	87.3	85.9
10	EH 3345	51.0	46.3	52.3	54.3	51.0	88.0	79.0	85.3	84.1
11	EH 3346	52.3	49.0	48.3	52.7	50.6	89.0	77.3	83.7	83.3
12	EH 3347	52.0	49.7	47.7	51.7	50.3	87.7	79.3	81.7	82.9
13	EH 3348	51.7	47.3	48.0	55.3	50.6	88.3	77.3	82.3	82.7
14	EH 3349	53.7	47.7	52.0	55.7	52.3	90.0	78.7	88.3	85.7
15	EH 3350	50.7	50.3	50.7	53.3	51.3	89.0	79.3	86.3	84.9
16	EH 3351	51.0	48.0	50.0	54.0	50.8	86.7	79.0	81.3	82.3
17	EH 3352	54.7	47.3	54.7	58.3	53.8	90.3	75.7	88.3	84.8
18	EH 3353	55.0	47.0	52.0	56.7	52.7	89.7	77.7	88.3	85.2
19	EH 3354	54.0	48.3	54.0	54.3	52.7	89.3	81.0	86.7	85.7
20	IAHM 2016-38	51.7	48.7	49.7	53.0	50.8	88.0	78.3	82.0	82.8
21	PRATAP HYBRID MAIZE 3	54.7	48.0	54.7	57.3	53.7	90.3	79.0	86.0	85.1
22	PRATAP MAKKA 3	50.3	47.3	49.7	55.7	50.8	87.3	76.0	83.3	82.2
23	PRATAP MAKKA 9	53.7	49.7	54.0	55.7	53.3	89.0	80.0	87.3	85.4
24	WH 2225	51.3	49.3	51.3	56.3	52.1	87.7	76.3	83.3	82.4
25	WH 2226	49.7	46.7	46.7	52.3	48.8	86.7	75.3	82.7	81.6
26	WH 2227	51.3	48.7	52.7	56.3	52.3	87.0	79.0	85.7	83.9
27	WH 2228	49.7	47.7	44.7	53.0	48.8	86.7	79.3	82.3	82.8
28	WH 2229	50.3	45.7	49.0	54.0	49.8	86.3	77.7	81.7	81.9
29	WH 2231	55.0	48.3	54.0	55.7	53.3	90.3	81.3	89.3	87.0
30	WH 2232	54.0	45.7	52.3	56.3	52.1	88.0	79.7	85.7	84.4
31	WH-2224	51.3	49.3	51.7	53.3	51.4	87.7	82.7	81.7	84.0
	Location Mean	52.6	47.9	51.0	55.1	51.6	88.6	78.6	85.2	84.1
	CV (%)	2.1	3.2	4.8	1.5	3.1	1.6	3.7	1.0	2.3
	F (Prob)	0.00	0.05	0.00	0.00	0.00	0.00	0.19	0.00	0.00
	CD (5%)	1.8	2.5	4.0	1.3	1.3	2.3	4.7	1.3	1.8
	CD (1%)	2.4	3.3	5.3	1.8	1.7	3.0	6.2	1.8	2.3

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TABLE No. 28 ZT5		Plant Height(cm)					Ear Height(cm)				
Sl. No.	Entry	Ambikapur	Banswara	Chindwara	Udaipur	Zone-V (CWZ)	Ambikapur	Banswara	Chindwara	Udaipur	Zone-V (CWZ)
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	CHH 1005	186.9	151.7	154.7	160.0	163.3	66.9	55.0	58.3	68.3	62.2
2	CHH 1008	181.3	141.7	135.7	131.7	147.6	61.6	45.0	50.0	50.0	51.7
3	CHH 1009	197.6	151.7	129.3	118.3	149.2	65.2	53.3	45.3	50.0	53.5
4	CHH 1010	243.1	148.3	191.3	185.0	191.9	90.5	58.7	82.3	80.0	77.9
5	CHH-1007	182.9	150.0	169.7	141.7	161.1	65.9	56.7	75.3	63.3	65.3
6	EH 3341	178.2	150.0	144.7	126.7	149.9	59.2	55.0	51.3	48.3	53.5
7	EH 3342	191.2	155.0	141.7	133.3	155.3	64.5	55.0	55.7	46.7	55.5
8	EH 3343	159.0	155.0	131.7	128.3	143.5	56.6	55.0	47.0	48.3	51.7
9	EH 3344	195.3	161.7	140.3	131.7	157.2	66.3	64.7	44.7	48.3	56.0
10	EH 3345	201.3	149.7	136.0	130.0	154.2	69.4	50.0	48.3	51.7	54.9
11	EH 3346	210.9	155.0	150.0	141.7	164.4	69.9	58.3	57.3	60.0	61.4
12	EH 3347	183.1	153.3	152.3	136.7	156.4	60.2	55.0	61.7	48.3	56.3
13	EH 3348	186.9	156.7	146.7	133.3	155.9	61.4	60.0	56.3	48.3	56.5
14	EH 3349	194.6	156.7	142.7	131.7	156.4	65.7	56.7	54.0	50.0	56.6
15	EH 3350	147.7	148.3	131.0	135.0	140.5	50.2	47.7	56.3	51.7	51.5
16	EH 3351	172.5	156.7	131.0	120.0	145.1	59.5	61.7	52.0	48.3	55.4
17	EH 3352	247.8	153.3	193.7	180.0	193.7	94.7	56.7	94.0	75.0	80.1
18	EH 3353	219.1	153.3	172.0	136.7	170.3	78.3	51.7	75.7	65.0	67.7
19	EH 3354	201.9	153.3	168.7	138.3	165.6	67.1	61.7	71.0	46.7	61.6
20	IAHM 2016-38	204.3	158.3	162.3	145.0	167.5	68.2	60.0	69.0	56.7	63.5
21	PRATAP HYBRID MAIZE 3	252.1	145.0	205.3	173.3	194.0	91.9	50.0	90.3	61.7	73.5
22	PRATAP MAKKA 3	191.3	156.7	152.0	155.0	163.8	69.0	60.0	63.3	70.0	65.6
23	PRATAP MAKKA 9	231.7	155.0	161.0	153.3	175.3	83.7	56.7	65.0	75.0	70.1
24	WH 2225	193.9	158.3	156.0	153.3	165.4	65.8	59.7	61.7	58.3	61.4
25	WH 2226	175.3	155.0	139.7	113.3	145.8	59.0	58.3	59.7	45.0	55.5
26	WH 2227	205.8	150.0	153.0	133.3	160.5	72.5	55.0	63.0	71.7	65.5
27	WH 2228	181.9	153.3	161.0	126.7	155.7	61.0	56.7	69.7	48.3	58.9
28	WH 2229	190.0	153.3	131.3	110.0	146.2	63.1	58.3	54.0	36.7	53.0
29	WH 2231	218.5	156.7	189.0	143.3	176.9	78.5	63.3	77.3	61.7	70.2
30	WH 2232	184.8	150.0	127.3	125.0	146.8	64.5	46.7	49.3	53.3	53.5
31	WH-2224	208.7	155.0	158.3	143.3	166.4	68.7	60.0	64.7	53.3	61.7
	Location Mean	197.4	153.2	153.5	139.2	160.8	68.4	56.2	62.1	56.1	60.7
	CV (%)	7.1	6.1	7.1	6.2	6.8	7.7	13.3	17.1	13.3	13.1
	F (Prob)	0.00	0.94	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00
	CD (5%)	22.8	15.2	17.7	14.0	8.8	8.6	12.2	17.4	12.2	6.4
	CD (1%)	30.4	20.2	23.6	18.7	11.5	11.5	16.2	23.1	16.2	8.4

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TABLE No. 29 ZTQ Yield (Kg/ha)									
Sl. No.	Entry	Ambikapur		Chindwara		Udaipur		Zone-V (CWZ)	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	EHQ 565	6574	1	2993	20	3992	20	5283	6
2	EHQ 611	6049	3	6137	2	4254	14	5152	9
3	EHQ-567	6208	2	5677	3	3885	21	5047	10
4	EHQ-594	4803	17	4811	8	3994	19	4399	21
5	EHQ-602	4869	15	2796	21	4889	10	4879	14
6	EHQ-631	5001	13	3547	14	5461	5	5231	7
7	EHQ-632	4643	19	3095	18	5314	8	4978	12
8	EHQ-633	4847	16	3094	19	4519	12	4683	16
9	EHQ-634	5413	9	4873	7	5267	9	5340	4
10	EHQ-635	4736	18	3847	12	4024	18	4380	22
11	EHQ-636	4993	14	5627	4	6121	2	5557	2
12	EHQ-637	5199	11	2090	23	4136	16	4668	18
13	EHQ-638	4200	22	1793	24	3740	22	3970	24
14	EHQ-639	5508	8	4031	11	4142	15	4825	15
15	EHQ-640	5386	10	4668	10	5455	6	5421	3
16	EHQ-641	4582	20	2576	22	5390	7	4986	11
17	EHQ-642	3629	24	3216	17	4393	13	4011	23
18	EHQ-643	5747	6	7391	1	3611	23	4679	17
19	EHQ-644	5823	4	5522	5	3110	24	4467	20
20	EHQ-645	5045	12	4757	9	4090	17	4568	19
21	GWHQPM-0927	5784	5	3837	13	6226	1	6005	1
22	GYHQPM-0907	4536	21	3516	16	6064	3	5300	5
23	GYHQPM-0908	3733	23	3535	15	6050	4	4891	13
24	PRATAP QPM HYBRID-1	5675	7	5440	6	4632	11	5154	8
	Location Mean	5124	.	4120	.	4698	.	4954	.
	CV (%)	14.7	.	44.2	.	7.2	.	13.1	.
	F (Prob)	0.00	.	0.06	.	0.00	.	0.00	.
	CD (5%)	1240	.	2990	.	574	.	832	.
	CD (1%)	1655	.	3992	.	779	.	1105	.

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TABLE No. 29 ZTQ Plant Stand('000/ha)						Shelling (%)			
Sl. No.	Entry	Ambikapur	Chindwara	Udaipur	Zone-V (CWZ)	Ambikapur	Chindwara	Udaipur	Zone-V (CWZ)
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	EHQ 565	77.8	42.2	60.4	69.1	78.7	81.6	80.8	80.4
2	EHQ 611	77.1	54.4	54.9	66.0	79.4	83.3	79.9	80.9
3	EHQ-567	77.1	61.7	52.1	64.6	81.2	80.3	80.8	80.8
4	EHQ-594	68.1	40.6	60.4	64.2	80.0	81.9	79.8	80.6
5	EHQ-602	70.1	34.4	63.2	66.7	79.3	81.7	80.9	80.6
6	EHQ-631	68.8	43.9	61.1	64.9	80.9	82.6	80.9	81.5
7	EHQ-632	68.8	32.8	63.2	66.0	79.7	82.2	80.5	80.8
8	EHQ-633	68.8	34.4	56.9	62.9	81.4	82.8	80.7	81.6
9	EHQ-634	75.7	39.4	71.5	73.6	81.2	55.8	80.9	72.7
10	EHQ-635	70.1	48.9	59.0	64.6	79.0	82.6	80.4	80.7
11	EHQ-636	66.7	52.8	62.5	64.6	80.2	87.2	81.1	82.9
12	EHQ-637	70.8	16.7	56.9	63.9	79.0	55.0	79.4	71.1
13	EHQ-638	63.9	27.2	60.4	62.2	79.8	76.3	80.6	78.9
14	EHQ-639	77.1	35.6	59.0	68.1	80.1	80.5	79.2	79.9
15	EHQ-640	72.9	35.6	59.0	66.0	81.2	83.8	80.2	81.7
16	EHQ-641	68.1	28.9	57.6	62.9	81.6	81.8	80.8	81.4
17	EHQ-642	61.8	52.8	61.8	61.8	80.0	83.4	80.8	81.4
18	EHQ-643	75.7	48.9	63.9	69.8	78.5	83.1	79.3	80.3
19	EHQ-644	73.6	52.8	35.4	54.5	80.4	77.9	79.6	79.3
20	EHQ-645	69.4	53.3	52.8	61.1	80.0	83.0	80.2	81.1
21	GWHQPM-0927	78.5	37.8	63.2	70.8	79.3	55.3	80.3	71.6
22	GYHQPM-0907	66.7	57.2	58.3	62.5	80.2	88.8	81.1	83.4
23	GYHQPM-0908	62.5	55.6	55.6	59.0	80.1	89.1	80.9	83.4
24	PRATAP QPM HYBRID-1	75.7	53.3	51.4	63.5	78.3	80.1	80.9	79.8
	Location Mean	71.1	43.4	58.4	64.7	80.0	79.2	80.4	79.8
	CV (%)	7.9	40.3	8.0	7.9	2.1	21.5	0.5	13.6
	F (Prob)	0.01	0.25	0.00	0.00	0.53	0.53	0.00	0.81
	CD (5%)	9.2	28.8	7.6	5.9	2.8	28.0	0.7	10.9
	CD (1%)	12.3	38.4	10.2	7.8	3.7	37.3	0.9	14.4

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TABLE No. 29 ZTQ Moisture%						Days to 50% Pollen Shed			
Sl. No.	Entry	Ambikapur	Chindwara	Udaipur	Zone-V (CWZ)	Ambikapur	Chindwara	Udaipur	Zone-V (CWZ)
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	EHQ 565	15.9	12.7	16.9	15.2	50.3	47.0	54.3	50.6
2	EHQ 611	15.8	15.3	16.4	15.8	51.0	48.3	55.0	51.4
3	EHQ-567	15.6	16.8	15.6	16.0	50.3	49.3	55.7	51.8
4	EHQ-594	14.8	17.0	14.9	15.5	52.3	50.3	54.3	52.3
5	EHQ-602	14.9	13.3	15.7	14.6	49.3	48.7	53.3	50.4
6	EHQ-631	14.9	15.2	14.6	14.9	47.3	45.7	52.3	48.4
7	EHQ-632	15.1	17.1	15.9	16.0	52.0	49.7	60.0	53.9
8	EHQ-633	15.2	15.3	15.3	15.3	48.3	48.0	53.3	49.9
9	EHQ-634	15.0	10.3	15.0	13.4	48.3	30.0	53.3	43.9
10	EHQ-635	14.8	17.3	15.8	16.0	49.0	46.3	54.0	49.8
11	EHQ-636	15.1	15.8	15.1	15.3	49.0	45.7	51.0	48.6
12	EHQ-637	15.2	10.1	15.0	13.4	48.0	32.3	55.3	45.2
13	EHQ-638	14.3	12.1	15.9	14.1	47.3	47.7	54.0	49.7
14	EHQ-639	15.7	17.0	16.4	16.4	49.3	46.0	54.3	49.9
15	EHQ-640	15.5	15.2	15.9	15.5	48.0	46.3	51.7	48.7
16	EHQ-641	15.0	16.4	14.9	15.4	47.7	45.0	52.0	48.2
17	EHQ-642	14.5	12.6	16.3	14.5	50.0	47.3	54.0	50.4
18	EHQ-643	16.2	16.7	15.5	16.1	48.7	47.3	55.0	50.3
19	EHQ-644	16.1	15.3	14.9	15.4	52.3	50.3	58.7	53.8
20	EHQ-645	15.3	16.1	15.9	15.8	48.0	48.3	55.0	50.4
21	GWHQPM-0927	15.7	9.4	14.5	13.2	48.3	30.7	53.3	44.1
22	GYHQPM-0907	14.6	11.1	15.3	13.7	47.7	45.0	53.0	48.6
23	GYHQPM-0908	13.7	10.9	15.2	13.3	47.7	45.0	52.7	48.4
24	PRATAP QPM HYBRID-1	16.3	16.2	15.1	15.8	52.3	51.3	57.0	53.6
	Location Mean	15.2	14.4	15.5	15.0	49.3	45.5	54.3	49.7
	CV (%)	5.0	24.7	1.7	15.1	2.3	21.1	1.9	11.3
	F (Prob)	0.02	0.09	0.00	0.07	0.00	0.36	0.00	0.01
	CD (5%)	1.3	5.8	0.4	2.3	1.8	15.8	1.7	5.2
	CD (1%)	1.7	7.8	0.6	3.0	2.4	21.1	2.2	6.9

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TABLE No. 29 ZTQ Days to 50% Silking						Days to 75% Dry Husk			
Sl. No.	Entry	Ambikapur	Chindwara	Udaipur	Zone-V (CWZ)	Ambikapur	Chindwara	Udaipur	Zone-V (CWZ)
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	EHQ 565	53.3	48.0	57.3	52.9	90.0	89.7	84.3	88.0
2	EHQ 611	54.0	48.3	57.3	53.2	90.7	93.0	86.3	90.0
3	EHQ-567	53.3	50.3	58.0	53.9	91.0	90.3	87.3	89.6
4	EHQ-594	55.3	50.7	57.0	54.3	89.7	93.7	85.0	89.4
5	EHQ-602	52.3	49.7	55.7	52.6	90.7	91.0	84.0	88.6
6	EHQ-631	50.3	45.7	54.0	50.0	89.7	87.0	84.0	86.9
7	EHQ-632	55.0	51.0	62.0	56.0	92.0	96.3	90.3	92.9
8	EHQ-633	51.3	49.0	56.3	52.2	90.3	91.7	83.3	88.4
9	EHQ-634	51.3	30.3	54.7	45.4	89.3	60.0	82.3	77.2
10	EHQ-635	52.7	48.3	55.7	52.2	90.0	93.7	81.3	88.3
11	EHQ-636	51.7	46.3	52.0	50.0	88.0	88.3	83.3	86.6
12	EHQ-637	51.3	32.7	58.0	47.3	90.0	63.0	85.7	79.6
13	EHQ-638	51.0	48.0	56.7	51.9	89.7	89.7	81.7	87.0
14	EHQ-639	52.0	47.0	57.0	52.0	89.3	90.7	84.3	88.1
15	EHQ-640	51.3	47.0	53.3	50.6	88.3	92.3	83.3	88.0
16	EHQ-641	51.0	46.0	53.3	50.1	90.3	92.3	83.3	88.7
17	EHQ-642	53.0	48.7	56.7	52.8	89.3	87.3	85.0	87.2
18	EHQ-643	51.3	49.3	57.7	52.8	90.3	94.7	86.7	90.6
19	EHQ-644	55.0	50.3	60.7	55.3	90.7	93.0	90.3	91.3
20	EHQ-645	51.3	50.0	57.7	53.0	90.0	91.7	84.0	88.6
21	GWHQPM-0927	51.7	31.0	55.7	46.1	88.3	58.0	82.3	76.2
22	GYHQPM-0907	50.3	46.7	55.0	50.7	88.3	83.7	84.3	85.4
23	GYHQPM-0908	51.3	46.0	54.0	50.4	88.3	83.3	81.7	84.4
24	PRATAP QPM HYBRID-1	55.3	51.7	58.7	55.2	92.3	94.7	89.3	92.1
	Location Mean	52.4	46.3	56.4	51.7	89.9	87.0	84.7	87.2
	CV (%)	2.1	21.0	1.5	10.9	1.0	21.4	0.6	12.4
	F (Prob)	0.00	0.32	0.00	0.01	0.00	0.47	0.00	0.14
	CD (5%)	1.8	16.0	1.4	5.3	1.5	30.7	0.8	10.1
	CD (1%)	2.5	21.3	1.9	7.0	2.0	40.9	1.1	13.3

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TABLE No. 29 ZTQ		Plant Height (cm)				Ear Height(cm)			
		Ambikapur	Chindwara	Udaipur	Zone-V (CWZ)	Ambikapur	Chindwara	Udaipur	Zone-V (CWZ)
Sl. No.	Entry	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	EHQ 565	207.3	148.7	121.7	159.2	66.3	62.7	40.0	56.3
2	EHQ 611	191.2	149.3	123.3	154.6	61.3	61.7	45.0	56.0
3	EHQ-567	208.1	164.7	128.3	167.0	68.2	62.3	41.7	57.4
4	EHQ-594	219.8	181.0	160.0	186.9	80.1	77.3	56.7	71.4
5	EHQ-602	211.3	167.7	150.0	176.3	68.6	66.7	48.3	61.2
6	EHQ-631	183.7	137.3	115.0	145.3	59.0	47.3	41.7	49.3
7	EHQ-632	199.6	160.3	108.3	156.1	66.3	68.3	36.7	57.1
8	EHQ-633	182.8	135.7	138.3	152.3	59.7	52.3	40.0	50.7
9	EHQ-634	193.4	104.3	108.3	135.4	66.0	43.3	50.0	53.1
10	EHQ-635	165.0	122.3	96.7	128.0	54.8	43.7	31.7	43.4
11	EHQ-636	187.8	153.7	133.3	158.3	61.7	57.0	55.0	57.9
12	EHQ-637	213.8	104.0	130.0	149.3	71.9	38.0	43.3	51.1
13	EHQ-638	173.2	142.3	113.3	143.0	59.7	57.0	43.3	53.3
14	EHQ-639	220.1	165.3	140.0	175.1	71.7	59.0	48.3	59.7
15	EHQ-640	192.6	157.7	115.0	155.1	63.2	61.3	41.7	55.4
16	EHQ-641	176.9	136.3	108.3	140.5	57.9	54.0	43.3	51.8
17	EHQ-642	182.1	141.0	146.7	156.6	58.7	54.3	38.3	50.4
18	EHQ-643	211.9	171.7	128.3	170.6	68.5	61.3	46.7	58.8
19	EHQ-644	215.8	172.3	146.7	178.3	69.5	65.3	41.7	58.8
20	EHQ-645	205.2	153.7	123.3	160.7	70.2	59.3	46.7	58.7
21	GWHQPM-0927	203.0	108.0	121.7	144.2	73.3	44.3	51.7	56.4
22	GYHQPM-0907	178.4	154.3	136.7	156.5	59.0	60.7	45.0	54.9
23	GYHQPM-0908	175.7	131.7	113.3	140.2	59.3	59.0	50.0	56.1
24	PRATAP QPM HYBRID-1	213.2	165.7	143.3	174.1	69.7	65.0	40.0	58.2
	Location Mean	196.3	147.0	127.1	156.8	65.2	57.6	44.4	55.7
	CV (%)	5.8	23.0	10.3	14.0	5.5	25.2	17.8	17.5
	F (Prob)	0.00	0.27	0.00	0.00	0.00	0.30	0.08	0.00
	CD (5%)	18.8	55.5	21.5	20.4	5.9	23.8	13.0	9.1
	CD (1%)	25.1	74.1	28.7	27.0	7.9	31.8	17.3	12.0

TABLE No. 30: Trail OPV(NIVT)		Yield(kg/ha)									
S. No.	Entry	Almora		Bajaura		Gossaingaon		Kangra		Zone-I (NHZ)	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	RCM 1-2 (OPV)	2355	6	6619	6	4275	2	3586	3	4209	6
2	RCM 1-61 (OPV)	4272	1	10588	2	3770	6	3743	2	5593	2
3	RCM 1-75 (OPV)	2895	5	7957	5	4167	3	3821	1	4710	5
4	RCM 1-76 (OPV)	3813	2	11494	1	3910	5	3582	5	5699	1
5	Hement-C	3431	3	8198	4	4026	4	3585	4	4810	4
6	Vijay -C	2919	4	9110	3	4352	1	3117	6	4875	3
	Location Mean	3281	.	8994	.	4083	.	3572	.	4983	.
	CV (%)	21.1	.	10.3	.	13.3	.	8.3	.	13.2	.
	F (Prob)	0.06	.	0.00	.	0.77	.	0.15	.	0.00	.
	CD (5%)	1261	.	1692	.	991	.	537	.	543	.
	CD (1%)	1793	.	2407	.	1410	.	763	.	726	.

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TABLE No. 30 Trail OPV(NIVT)		Plant Stand('000/ha)				
S. No.	Entry	Almora	Bajaura	Gossaingaon	Kangra	Zone All In
		Mean	Mean	Mean	Mean	Mean
1	RCM 1-2 (OPV)	57.4	79.3	65.3	81.0	70.7
2	RCM 1-61 (OPV)	61.1	77.8	63.0	74.9	69.2
3	RCM 1-75 (OPV)	59.7	72.6	70.4	71.8	68.6
4	RCM 1-76 (OPV)	63.0	74.8	64.8	75.6	69.6
5	Hement-C	58.8	78.5	68.1	73.3	69.7
6	Vijay -C	58.3	79.3	69.4	74.9	70.5
	Location Mean	59.7	77.0	66.8	75.2	69.7
	CV (%)	3.3	8.8	10.4	4.1	7.4
	F (Prob)	0.05	0.78	0.75	0.06	0.92
	CD (5%)	3.5	12.3	12.7	5.6	4.3
	CD (1%)	5.0	17.5	18.0	8.0	5.7
Shelling (%)						
S. No.	Entry	Almora	Bajaura	Gossaingaon	Kangra	Zone All In
		Mean	Mean	Mean	Mean	Mean
1	RCM 1-2 (OPV)	82.4	85.1	77.4	75.9	80.2
2	RCM 1-61 (OPV)	83.0	83.4	72.9	76.2	78.9
3	RCM 1-75 (OPV)	84.4	83.1	73.0	75.0	78.9
4	RCM 1-76 (OPV)	80.6	86.4	75.5	75.8	79.6
5	Hement-C	82.5	83.1	75.6	75.2	79.1
6	Vijay -C	82.9	85.0	74.8	75.8	79.6
	Location Mean	82.6	84.4	74.9	75.6	79.4
	CV (%)	2.5	1.9	5.5	1.3	3.0
	F (Prob)	0.44	0.15	0.75	0.63	0.69
	CD (5%)	3.8	3.0	7.5	1.8	2.0
	CD (1%)	5.4	4.2	10.6	2.5	2.6

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TABLE No. 30 Trail OPV(NIVT)		Moisture(%)				
S. No.	Entry	Almora	Bajaura	Gossaingaon	Kangra	Zone All In
		Mean	Mean	Mean	Mean	Mean
1	RCM 1-2 (OPV)	19.8	21.9	30.1	25.1	24.2
2	RCM 1-61 (OPV)	18.2	21.9	28.8	26.6	23.9
3	RCM 1-75 (OPV)	19.1	22.2	31.1	25.6	24.5
4	RCM 1-76 (OPV)	21.1	22.0	25.6	31.8	25.1
5	Hement-C	19.4	22.3	30.9	26.4	24.8
6	Vijay -C	18.8	22.0	29.2	29.1	24.8
	Location Mean	19.4	22.1	29.3	27.4	24.5
	CV (%)	6.2	1.3	14.3	9.8	10.4
	F (Prob)	0.15	0.44	0.64	0.09	0.87
	CD (5%)	2.2	0.5	7.6	4.9	2.1
	CD (1%)	3.1	0.8	10.8	7.0	2.8
Days to 50% Pollen Shed						
S. No.	Entry	Almora	Bajaura	Gossaingaon	Kangra	Zone All In
		Mean	Mean	Mean	Mean	Mean
1	RCM 1-2 (OPV)	60.7	52.7	47.7	52.0	53.3
2	RCM 1-61 (OPV)	58.7	52.0	47.3	51.7	52.4
3	RCM 1-75 (OPV)	59.3	52.3	46.7	51.7	52.5
4	RCM 1-76 (OPV)	59.7	54.0	49.0	53.0	53.9
5	Hement-C	58.0	52.0	46.0	51.0	51.8
6	Vijay -C	62.0	51.7	46.0	54.0	53.4
	Location Mean	59.7	52.4	47.1	52.2	52.9
	CV (%)	2.5	1.3	2.1	2.6	2.2
	F (Prob)	0.08	0.02	0.03	0.18	0.00
	CD (5%)	2.8	1.3	1.8	2.5	1.0
	CD (1%)	3.9	1.8	2.6	3.5	1.3

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TABLE No. 30 Trail OPV(NIVT)		Days to 50% Silking				
S. No.	Entry	Almora	Bajaura	Gossaingaon	Kangra	Zone All In
		Mean	Mean	Mean	Mean	Mean
1	RCM 1-2 (OPV)	63.3	55.7	52.7	56.0	56.9
2	RCM 1-61 (OPV)	61.3	54.3	52.7	55.0	55.8
3	RCM 1-75 (OPV)	62.7	55.0	52.7	55.0	56.3
4	RCM 1-76 (OPV)	61.3	56.3	54.7	56.0	57.1
5	Hement-C	61.0	54.7	52.0	54.7	55.6
6	Vijay -C	63.7	54.3	52.0	57.3	56.8
	Location Mean	62.2	55.1	52.8	55.7	56.4
	CV (%)	2.4	1.6	2.4	2.8	2.4
	F (Prob)	0.20	0.10	0.21	0.37	0.04
	CD (5%)	2.7	1.6	2.3	2.8	1.1
	CD (1%)	3.8	2.3	3.3	4.0	1.5
Days to 75% Dry Husk						
S. No.	Entry	Almora	Bajaura	Gossaingaon	Kangra	Zone All In
		Mean	Mean	Mean	Mean	Mean
1	RCM 1-2 (OPV)	103.0	110.3	95.7	98.7	101.9
2	RCM 1-61 (OPV)	100.3	109.0	96.0	96.0	100.3
3	RCM 1-75 (OPV)	101.3	107.0	95.0	97.3	100.2
4	RCM 1-76 (OPV)	101.0	110.3	95.3	97.3	101.0
5	Hement-C	100.0	108.0	93.0	97.0	99.5
6	Vijay -C	103.7	109.0	95.3	98.0	101.5
	Location Mean	101.6	108.9	95.1	97.4	100.7
	CV (%)	1.5	1.4	2.6	1.6	1.8
	F (Prob)	0.09	0.13	0.72	0.45	0.02
	CD (5%)	2.9	2.7	4.4	2.8	1.5
	CD (1%)	4.1	3.9	6.3	4.0	2.0

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TABLE No. 30 Trail OPV(NIVT)		Plant Height (cm)				
S. No.	Entry	Almora	Bajaura	Gossaingaon	Kangra	Zone All In
		Mean	Mean	Mean	Mean	Mean
1	RCM 1-2 (OPV)	236.7	271.7	180.7	217.3	226.6
2	RCM 1-61 (OPV)	235.0	275.0	166.1	194.7	217.7
3	RCM 1-75 (OPV)	246.7	308.3	157.4	218.3	232.7
4	RCM 1-76 (OPV)	236.7	295.0	174.3	193.3	224.8
5	Hement-C	251.7	301.7	152.1	208.7	228.5
6	Vijay -C	245.0	305.0	154.4	206.3	227.7
	Location Mean	241.9	292.8	164.2	206.4	226.3
	CV (%)	4.0	5.0	6.2	5.5	5.0
	F (Prob)	0.27	0.05	0.03	0.08	0.06
	CD (5%)	17.4	26.8	18.6	20.5	9.3
	CD (1%)	24.7	38.1	26.4	29.2	12.4
Ear Height (cm)						
S. No.	Entry	Almora	Bajaura	Gossaingaon	Kangra	Zone All In
		Mean	Mean	Mean	Mean	Mean
1	RCM 1-2 (OPV)	120.0	173.3	91.0	108.7	123.3
2	RCM 1-61 (OPV)	120.0	151.7	80.9	94.3	111.7
3	RCM 1-75 (OPV)	128.3	191.7	78.7	111.7	127.6
4	RCM 1-76 (OPV)	118.3	176.7	95.5	97.3	122.0
5	Hement-C	138.3	178.3	77.3	104.3	124.6
6	Vijay -C	130.0	186.0	73.3	104.0	123.3
	Location Mean	125.8	176.3	82.8	103.4	122.1
	CV (%)	8.5	8.0	10.0	5.8	8.4
	F (Prob)	0.25	0.07	0.05	0.04	0.01
	CD (5%)	19.4	25.7	15.0	11.0	8.4
	CD (1%)	27.7	36.6	21.4	15.6	11.3

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TABLE 31: Trial no.62B (Medium Maturity) NIVT

Sl. No.	Entry Name	Yield (Kg/ha)		Plant Stand	Shelling (%)	Moisture (%)	Days to 50% Pollen Shed	Days to 50% Silk	Days to 75% Dry Husk	Plant Height	Ear Height
		Mean	Rank	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	IMR1745	7561	9	81.9	78.3	15.5	81.7	84.3	132.3	185.0	93.3
2	IMR1746	5811	22	82.6	80.0	16.5	83.7	86.0	134.3	186.7	95.0
3	IMR1747	7130	13	83.3	78.8	18.5	85.7	87.7	135.7	215.0	108.3
4	IMR1748	9177	3	82.6	78.0	16.5	87.7	90.0	138.3	245.0	140.0
5	IMR1749	7825	7	83.3	79.0	15.5	83.3	86.0	133.7	205.0	103.3
6	IMR1750	8007	5	82.6	79.8	17.5	86.0	88.7	136.0	215.0	108.3
7	IMR1751	5590	25	83.3	79.0	17.5	86.3	89.0	137.7	230.0	125.0
8	IMR1752	3736	40	82.6	78.5	18.5	83.3	86.3	132.7	175.0	88.3
9	IMR1753	5128	28	82.6	79.0	18.5	87.0	89.7	137.7	205.0	110.0
10	IMR1754	5649	24	82.6	79.3	21.0	88.7	91.0	139.7	176.7	115.0
11	IMR1755	4023	38	83.3	79.0	19.0	90.7	93.0	142.0	171.7	108.3
12	IMR1756	7818	8	83.3	78.8	19.5	87.7	90.0	138.7	195.0	105.0
13	IMR1757	3767	39	83.3	78.8	17.5	87.0	89.7	139.0	205.0	101.7
14	IMR1758	4207	37	83.3	79.0	19.5	86.0	88.0	136.7	195.0	98.3
15	IMR1759	5462	27	82.6	78.8	19.5	85.0	87.3	134.3	218.3	118.3
16	IMR1760	4465	36	83.3	78.0	18.5	87.0	89.7	136.3	208.3	121.7
17	IMR1761	3676	41	83.3	78.5	17.5	88.7	91.3	138.0	180.0	93.3
18	IMR1762	7317	10	83.3	80.0	15.5	87.7	90.3	137.0	225.0	105.0
19	IMR1763	5024	31	81.9	79.8	17.5	83.3	85.7	133.0	218.3	110.0
20	IMR1764	4702	34	83.3	79.0	19.0	89.7	92.0	140.0	235.0	120.0
21	IMR1765	10727	1	83.3	79.0	19.5	84.3	86.7	135.0	240.0	133.3
22	IMR1766	6199	19	82.6	78.3	19.5	87.0	89.7	137.0	248.3	133.3
23	IMR1767	5936	21	81.9	79.0	17.5	85.3	88.0	135.3	235.0	125.0
24	IMR1768	6261	18	83.3	78.8	15.0	87.7	90.0	137.7	230.0	115.0
25	IMR1769	9214	2	82.6	79.0	16.5	84.3	87.0	133.7	238.3	120.0
26	IMR1770	9138	4	82.6	79.8	15.5	86.0	88.7	137.3	235.0	118.3
27	IMR1771	6921	15	83.3	79.0	17.5	85.7	88.3	137.0	238.3	123.3
28	IMR1772	4903	32	82.6	79.0	16.5	86.7	89.0	137.0	228.3	116.7
29	IMR1773	6892	16	83.3	79.3	15.5	79.3	82.3	123.7	210.0	95.0
30	IMR1774	5740	23	82.6	78.8	18.5	88.7	90.7	139.3	235.0	118.3
31	IMR1775	4787	33	83.3	78.5	17.5	85.3	88.0	135.7	243.3	110.0
32	IMR1776	4473	35	83.3	79.5	16.5	85.3	88.0	137.0	205.0	101.7
33	IMR1777	5025	30	82.6	80.0	15.5	84.3	87.0	135.0	200.0	70.0
34	IMR1778	6079	20	82.6	79.8	14.0	85.3	88.0	137.0	195.0	80.0
35	IMR1779	7312	11	81.9	79.8	13.0	86.3	88.7	137.3	195.0	111.7
36	IMR1780	7043	14	83.3	79.3	14.0	82.3	85.3	131.3	238.3	118.3
37	IMR1781	5054	29	82.6	79.0	13.0	85.0	87.3	134.3	235.0	128.3
38	IMR1782	5505	26	82.6	78.8	14.0	88.7	91.0	140.3	251.7	135.0
39	IMR1783	7883	6	83.3	79.8	18.5	88.7	91.0	139.7	235.0	130.0
40	IMR1784	6843	17	82.6	79.0	16.5	83.3	85.7	133.7	206.7	103.3
41	IMR1785	7272	12	83.3	79.0	13.0	84.3	86.3	135.3	218.3	110.0
	Location Mean	6226	.	82.9	79.1	17.0	85.9	88.4	136.2	215.9	111.3
	CV (%)	2.7	.	1.2	0.2	1.4	0.4	0.7	1.5	1.2	1.9
	F (Prob)	0.00	.	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CD (5%)	276	.	1.6	0.2	0.4	0.6	1.0	3.3	4.3	3.4
	CD (1%)	366	.	2.1	0.3	0.5	0.8	1.3	4.4	5.7	4.6

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TABLE 32: Trial no.63-64 (Early and Extra Early Maturity) NIVT

Sl. No.	Entry Name	Yield (Kg/ha)		Plant Stand	Shelling (%)	Moisture (%)	Days to 50% Pollen Shed	Days to 50% Silk	Days to 75% Dry Husk	Plant Height	Ear Height
		Mean	Rank	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	IMR1790	6511	28	82.6	78.3	16.5	81.0	83.7	128.7	196.7	90.0
2	IMR1791	6325	31	82.6	77.3	18.5	81.0	84.0	130.0	213.3	86.7
3	IMR1792	9955	1	82.6	80.0	17.0	81.7	84.0	130.0	195.0	88.3
4	IMR1793	6516	27	83.3	79.0	15.5	80.7	83.3	129.3	191.7	93.3
5	IMR1794	4935	39	83.3	78.8	17.5	79.0	81.7	124.7	230.0	123.3
6	IMR1795	8358	8	82.6	78.5	17.5	78.0	81.0	120.3	205.0	105.0
7	IMR1796	8040	11	82.6	77.3	18.0	81.0	83.7	129.0	221.7	110.0
8	IMR1797	7743	18	83.3	79.0	15.5	83.7	86.0	132.3	281.7	93.3
9	IMR1798	9044	4	83.3	78.3	17.0	80.0	83.0	128.0	221.7	110.0
10	IMR1799	7456	20	83.3	79.3	18.0	81.0	83.7	130.7	201.7	101.7
11	IMR1800	8007	13	83.3	78.0	16.5	82.7	85.3	132.7	240.0	110.0
12	IMR1801	9503	3	83.3	78.0	18.5	83.7	86.3	135.7	221.7	110.0
13	IMR1802	8851	5	82.6	77.8	18.0	80.0	83.0	125.3	196.7	91.7
14	IMR1803	8158	10	82.6	79.8	16.5	84.0	86.3	137.0	253.3	146.7
15	IMR1804	6479	29	82.6	78.0	17.0	82.7	85.3	134.0	243.3	130.0
16	IMR1805	8015	12	82.6	78.8	17.5	84.0	86.0	135.7	225.0	118.3
17	IMR1806	4952	38	81.9	77.8	20.0	83.0	85.0	133.3	221.7	116.7
18	IMR1807	7969	16	83.3	79.0	18.5	79.0	81.7	126.0	245.0	121.7
19	IMR1808	5236	37	83.3	78.8	16.5	82.0	84.7	131.7	211.7	101.7
20	IMR1809	6681	26	83.3	79.0	17.5	74.3	77.3	118.7	166.7	83.3
21	IMR1810	6685	25	83.3	78.0	18.0	80.0	83.0	128.3	211.7	131.7
22	IMR1811	7434	22	82.6	79.0	15.0	77.3	80.3	124.0	161.7	70.0
23	IMR1812	7984	15	83.3	78.8	15.0	78.7	81.7	125.7	223.3	100.0
24	IMR1813	7693	19	83.3	79.0	17.5	80.0	83.0	128.0	221.7	116.7
25	IMR1814	7994	14	82.6	77.8	17.5	80.0	82.7	127.7	175.0	95.0
26	IMR1815	6339	30	82.6	78.5	15.5	77.3	80.3	125.7	230.0	115.0
27	IMR1816	6162	32	82.6	79.0	15.5	79.7	82.3	128.3	186.7	101.7
28	IMR1817	5697	34	81.9	77.3	19.0	85.3	87.7	138.3	213.3	101.7
29	IMR1818	8708	6	83.3	79.5	18.0	75.3	78.0	121.3	166.7	76.7
30	IMR1819	7926	17	83.3	79.8	15.5	81.0	83.7	132.7	176.7	85.0
31	IMR1820	8357	9	82.6	78.0	17.0	75.3	78.3	124.7	196.7	101.7
32	IMR1821	7404	23	81.3	78.0	19.0	79.7	82.7	127.7	230.0	96.7
33	IMR1822	5603	35	82.6	78.3	16.5	83.0	85.3	133.0	200.0	110.0
34	IMR1823	5747	33	82.6	78.5	21.0	79.0	82.0	125.3	236.7	141.7
35	IMR1824	9900	2	82.6	76.8	19.0	81.0	83.7	128.3	210.0	90.0
36	IMR1825	8669	7	83.3	77.8	18.5	80.0	83.0	129.0	183.3	96.7
37	IMR1826	7438	21	81.9	78.0	17.5	81.0	83.7	132.0	215.0	96.7
38	IMR1827	4265	40	83.3	79.3	15.0	76.3	79.3	123.3	141.7	63.3
39	IMR1828	5562	36	82.6	79.0	15.5	79.0	82.0	124.7	201.7	131.7
40	IMR1829	7342	24	82.6	78.0	16.5	79.0	82.0	124.7	166.7	80.0
	Location Mean	7291	.	82.9	78.5	17.2	80.3	83.0	128.6	208.3	103.3
	CV (%)	5.7	.	1.3	0.2	2.5	0.6	0.7	2.4	1.5	5.7
	F (Prob)	0.00	.	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CD (5%)	675	.	1.7	0.2	0.7	0.7	0.9	5.1	5.1	9.6
	CD (1%)	896	.	2.2	0.3	0.9	1.0	1.2	6.7	6.8	12.8

Decoded Sheet-Kharif 2017

Trial. 61 (Late)

1

Trial No. : Late Maturity (NIVT) (61)
 Year (Season): 2017-Kharif
 Design Alpha
 Total Entries 84
 Replication : 3
 Total Block 36
 Block/Repl 12
 Entry/Block 7
 Row No. : 2
 Row Length: 4 mts.

Locations: Ludhiana, Karnal, Kanpur, Pantnagar, Banswara, Chindwara, Ambikapur, Dholi, Ranchi, Bhubaneswar, Varanasi, Bahraich, Sabour, Kalyani, Dharwad, Mandya, Karimnagar, Hyderabad, Coimbatore, Vagarai, Kolhapur, Rahuri, Udaipur, Banswara, Chindwara, Ambikapur, Godhra, Jabhua

E.No.	Name	Institute/Organization	Zone	R1	R2	R3
1	CMH 14-714	TNAU Coimbatore	All*	1577	1691	1738
2	MFH 16-21	TCA Dholi, Muzaffarpur	All*	1542	1614	1761
3	Super-1818	Super seed pvt. Lmt. Hyderabad	All*	1534	1692	1701
4	QMH-1347	MIP GTC Kolhapur	All*	1600	1672	1746
5	16402-008-03-03	Mahyco(Maharashtra Hybrid Seeds Co .Pvt.Ltd.)	All*	1546	1609	1717
6	ADV 1390164	UPL Limited	All*	1570	1641	1721
7	IMHGB-17K-24	RMR & SPC Begusarai	All*	1586	1610	1770
8	AYN716443	Syngenta	All*	1589	1679	1739
9	GK 3211	Ganga Kaveri Seeds Pvt. Ltd.	All*	1540	1631	1773
10	KH-2193	K.G.S.C.Pvt.Lim	All*	1584	1649	1705
11	IIMRNH 1705	IIMR Ludhiana	All*	1604	1666	1733
12	CMH 15-005	TNAU Coimbatore	All*	1607	1688	1693
13	JKMH 150375	JK seeds	All*	1601	1623	1771
14	JH 13336	PAU Ludhiana	All*	1545	1636	1724
15	KNMH-4410	Karimnagar	All*	1565	1682	1712
16	JH 16081	PAU Ludhiana	All*	1567	1639	1768
17	AH-8183	IARI New Delhi	All*	1537	1645	1732
18	JH 16041	PAU Ludhiana	All*	1576	1660	1755
19	JH 13346	PAU Ludhiana	All*	1606	1663	1718
20	GH 160131	UAS Dharwad	All*	1597	1669	1700
21	JH 16031	PAU Ludhiana	All*	1593	1642	1714
22	IMHGB-17K-20	RMR & SPC Begusarai	All*	1596	1683	1754
23	BIO 218	BIOSEED RESEARCH INDIA PVT. LTD.	All*	1557	1611	1723
24	NS 8282	Namdhari Seed Pvt.Ltd.	All*	1556	1620	1766
25	PM17106L	PHI SEEDS PVT.LTD.	All*	1544	1681	1752
26	IIMRNH 1704	IIMR Ludhiana	All*	1541	1617	1731
27	SVMH-66	Shakti vardhark hybrid seeds pvt.ltd. Gujarat	All*	1579	1627	1704
28	20637-009-03-02	Mahyco(Maharashtra Hybrid Seeds Co .Pvt.Ltd.)	All*	1553	1676	1725
29	JH 16034	PAU Ludhiana	All*	1569	1678	1727
30	VNR-35379	VNR Seeds pvt.Ltd.	All*	1591	1685	1735
31	PM17101L	PHI SEEDS PVT.LTD.	All*	1562	1673	1734
32	JH 16209	PAU Ludhiana	All*	1560	1661	1699
33	AH-1645	IARI New Delhi	All*	1590	1615	1772
34	TA 5084	Syngenta	All*	1578	1640	1696
35	CMH 14-720	TNAU Coimbatore	All*	1595	1675	1728
36	ADV 1390064	UPL Limited	All*	1561	1624	1730
37	NMH-4530	Nimal Seed Pvt. Lmt.	All*	1529	1689	1719
38	TS 2505	Agrotech pvt. Ltd. Hyderabad	All*	1543	1629	1776
39	CP 777	Charoen Pokphand Seeds (india)PVT.LTD.	All*	1535	1651	1710
40	JH 16054	PAU Ludhiana	All*	1566	1665	1737
41	QMH-1353	MIP GTC Kolhapur	All*	1533	1684	1744
42	REH 2015-7	Kanpur	All*	1592	1630	1765
43	GIN-04	NONGWOO Seed India pvt.ltd.	All*	1530	1664	1750
44	IIMRNH 1703	IIMR Ludhiana	All*	1568	1647	1709
45	CP 858	Charoen Pokphand Seeds (india)PVT.LTD.	All*	1536	1662	1751
46	PM17104L	PHI SEEDS PVT.LTD.	All*	1548	1657	1742

E.No.	Name	Institute/Organization	Zone	R1	R2	R3
47	DAS-MH-115	Dow Agrosociences	All*	1554	1674	1707
48	MAH-2014-19	UAS Bangalore	All*	1575	1686	1740
49	Rasi-2432	Rasi seeds pvt.Ltd.	All*	1594	1687	1759
50	GH-1301	USA Dharwad	All*	1539	1680	1763
51	JH 16118	PAU Ludhiana	All*	1573	1613	1713
52	JH 16040	PAU Ludhiana	All*	1551	1652	1774
53	JH 16046	PAU Ludhiana	All*	1563	1628	1695
54	OMH16-1	OAUT Bhubaneswar	All*	1564	1667	1775
55	CMH 14-721	TNAU Coimbatore	All*	1581	1644	1760
56	AMH-15119	ANKUR SEED PVT.LTD.	All*	1552	1612	1697
57	BH 415017	PJTSAU MRC, ARI Rakendranagar	All*	1572	1618	1729
58	Rasi-3499	Rasi seeds pvt.Ltd.	All*	1571	1622	1758
59	DKC 9185 (IR8449)	Monsanto india. Pvt. Ltd.	All*	1549	1616	1749
60	OMH16-3	OAUT Bhubaneswar	All*	1583	1634	1694
61	KNMH-4513	Karimnagar	All*	1531	1670	1769
62	CCH 2829	Rhini Seeds Private limited.	All*	1608	1671	1715
63	MFH 16-22	TCA Dholi, Muzaffarpur	All*	1550	1619	1702
64	TMMH 2840	TRIMURTI PLANT SCIENCES	All*	1605	1650	1736
65	DKC 9182 (IR8513)	Monsanto india. Pvt. Ltd.	All*	1603	1677	1745
66	14561-010-04-01-03-3-2	Mahyco(Maharashtra Hybrid Seeds Co .Pvt.Ltd.)	All*	1580	1655	1706
67	IMHBG-17K-23	RMR & SPC Begusarai	All*	1598	1621	1764
68	HT 17169	Hytech Seed India Private Limited	All*	1588	1653	1743
69	PM17105L	PHI SEEDS PVT.LTD.	All*	1558	1648	1767
70	DAS-MH-114	Dow Agrosociences	All*	1526	1658	1762
71	IMHBG-17K-25	RMR & SPC Begusarai	All*	1528	1656	1753
72	VEH-17-1	BHU	All*	1547	1654	1708
73	DKC9189 (IR8545)	Monsanto india. Pvt. Ltd.	All*	1555	1638	1747
74	QMH-1420	MIP GTC Kolhapur	All*	1559	1643	1720
75	MAH-2014-3	UAS Bangalore	All*	1599	1690	1741
76	AH-1608	IARI New Delhi	All*	1525	1635	1722
77	OMH16-2	OAUT Bhubaneswar	All*	1527	1646	1703
78	B-57	K.G.S.C.Pvt.Lim	All*	1532	1659	1748
79	GH 160224	UAS Dharwad	All*	1587	1625	1711
80	IIMRNH 1701	IIMR Ludhiana	All*	1582	1668	1757
81	KMH 463	Kaveri Seed company limited.	All*	1538	1632	1726
82	BIO 9682 (C)	Bio Seed Research India Ltd.Hyderabad	All*	1574	1633	1716
83	CMH 08-287 (C)	TNAU,Coimbatore	All*	1585	1637	1698
84	CMH 08-282 (C)	TNAU,Coimbatore	All*	1602	1626	1756

* Trial has been sent to all zones except to NHZ (Z-I)

Trial. 61 (Late)**3**

Trial No. : Late Maturity (NIVT) (61)
 Year (Season): 2017-Kharif
 Design Alpha
 Total Entries 84
 Replication : 3
 Total Block 36
 Block/Repl 12
 Entry/Block 7
 Row No. : 2
 Row Length: 4 mts.

Locations: Ludhiana, Karnal, Kanpur, Pantnagar, Banswara, Chindwara, Ambikapur, Dholi, Ranchi, Bhubaneswar, Varanasi, Bahraich, Sabour, Kalyani, Dharwad, Mandya, Karimnagar, Hyderabad, Coimbatore, Vagarai, Kolhapur, Rahuri, Udaipur, Banswara, Chindwara, Ambikapur, Godhra, Jabhua

d, Coimbatore, Vagarai,

REPLICATION 1							
Block 1	1589	1538	1581	1548	1561	1537	1608
Block 2	1529	1602	1603	1604	1597	1571	1579
Block 3	1545	1590	1532	1551	1546	1528	1530
Block 4	1600	1573	1560	1592	1526	1601	1527
Block 5	1574	1554	1576	1552	1550	1540	1544
Block 6	1582	1531	1595	1567	1564	1586	1536
Block 7	1605	1606	1541	1575	1585	1572	1584
Block 8	1547	1570	1565	1587	1568	1578	1563
Block 9	1534	1558	1533	1562	1556	1525	1539
Block 10	1577	1583	1569	1598	1559	1535	1596
Block 11	1599	1566	1557	1588	1594	1591	1542
Block 12	1580	1543	1555	1549	1553	1607	1593
REPLICATION 2							
Block 1	1649	1622	1683	1640	1658	1633	1657
Block 2	1641	1659	1667	1630	1685	1660	1655
Block 3	1662	1632	1648	1631	1642	1618	1615
Block 4	1639	1676	1635	1652	1672	1650	1665
Block 5	1692	1613	1627	1651	1619	1682	1690
Block 6	1668	1647	1669	1612	1653	1679	1661
Block 7	1625	1621	1673	1663	1644	1610	1664
Block 8	1671	1636	1617	1629	1643	1680	1614
Block 9	1670	1691	1623	1638	1689	1681	1687
Block 10	1688	1654	1686	1624	1620	1626	1634
Block 11	1666	1616	1675	1656	1637	1674	1611
Block 12	1646	1684	1645	1677	1628	1678	1609
REPLICATION 3							
Block 1	1700	1764	1703	1740	1763	1773	1735
Block 2	1704	1749	1751	1736	1732	1721	1720
Block 3	1757	1762	1710	1772	1693	1695	1723
Block 4	1699	1776	1754	1774	1767	1733	1711
Block 5	1713	1705	1714	1748	1719	1734	1743
Block 6	1722	1739	1706	1718	1707	1727	1759
Block 7	1709	1747	1702	1758	1731	1717	1768
Block 8	1761	1708	1760	1728	1744	1771	1716
Block 9	1756	1752	1750	1712	1746	1715	1729
Block 10	1698	1697	1769	1724	1765	1701	1730
Block 11	1737	1696	1766	1775	1726	1738	1753
Block 12	1725	1741	1745	1755	1694	1770	1742

Trial. 62 (Medium)**4**

Trial No. : Medium Maturity (NIVT) (62)

Year (Season) 2017-Kharif

Design Alpha

Total Entries 100

Replication : 3

Total Block 30

Block/Repl 10

Entry/Block 10

Row No. : 2

Row Length: 4 mts.

Locations: Almora, Bajaura, Barapani, Kangra, Udhampur, Sirinagar, Gossaigoan (Jorhat), Imphal Ludhiana, Karnal, Kanpur, Pantnagar, Dholi, Ranchi, Bhubaneswar, Varanasi, Bahraich Sabour, Kalyani, Dharwad, Mandya, Karimnagar, Hyderabad, Coimbatore, Vagarai Kolhapur, Rahuri, Udaipur, Banswara, Chindwara, Ambikapur, Godhra, Jabhua

E.No.	Hybrids Name	Institute/Organization	Zone	R1	R2	R3
1	AH-7067R	IARI New Delhi	All	1838	1968	2000
2	MMH 16-11	TCA Dholi, Muzaffarpur	All	1811	1976	2058
3	KMH 16-29	SAREC, KANGRA	All	1862	1900	2013
4	HKH 361	HAU, Karnal	All	1814	1977	2010
5	STAR-X-20	STAR AGROTECH PVT.LTD.	All	1841	1975	2075
6	HKH 364	HAU, Karnal	All	1848	1945	1996
7	KMH 16-1	SAREC, KANGRA	All	1855	1921	2043
8	AH 6008	IARI New Delhi	All	1801	1901	2011
9	HKH 362	HAU, Karnal	All	1813	1953	1984
10	LMH1117	Bajaura	All	1816	1912	2007
11	BLH 118	Bisco Bio Sciences Pvt.Ltd.	All	1867	1963	2027
12	KMH 16-2	Kangra	All	1829	1964	2076
13	REH 2013-21	Kanpur	All	1873	1928	2039
14	STAR-X-14	STAR AGROTECH PVT.LTD.	All	1860	1956	2023
15	IMHBG-17K-5	RMR & SPC Begusarai	All	1820	1950	1985
16	HKH 363	HAU, Karnal	All	1786	1898	2055
17	DH-314	Pantnagar	All	1879	1935	2041
18	GH 160295	UAS Dharwad	All	1846	1905	2070
19	IMHBG-17K-8	RMR & SPC Begusarai	All	1861	1959	2078
20	IMHBG-17K-15	RMR & SPC Begusarai	All	1827	1925	2024
21	DAS-MH-311	Dow Agro Sciences	All	1835	1918	2036
22	BH 415012	PJTSAU MRC, ARI Rakendranagar	All	1795	1923	2051
23	DKC8181 (IR8004)	Monsanto india. Pvt. Ltd.	All	1878	1930	2038
24	AH 6017	IARI New Delhi	All	1822	1961	2026
25	NMH-4139	NUZIVEEDU SEEDS	All	1803	1909	2016
26	BLH 119	Bisco Bio Sciences Pvt.Ltd.	All	1825	1886	1992
27	KMH 16-25	Kangra	All	1800	1958	2060
28	KMH 16-42	SAREC, KANGRA	All	1832	1884	2008
29	IMHBG-17K-17	RMR & SPC Begusarai	All	1872	1957	2042
30	MMH 16-12	TCA Dholi, Muzaffarpur	All	1844	1895	2020
31	JH 16029	PAU Ludhiana	All	1799	1915	2012
32	BH 415100	PJTSAU MRC, ARI Rakendranagar	All	1817	1896	2053
33	IMHBG-17K-7	RMR & SPC Begusarai	All	1845	1891	1981
34	BLH 122	Bisco Bio Sciences Pvt.Ltd.	All	1859	1892	2017
35	IMHBG-17K-19	RMR & SPC Begusarai	All	1830	1936	2021
36	AH 6007	IARI New Delhi	All	1836	1887	2009
37	STAR-X-16	STAR AGROTECH PVT.LTD.	All	1875	1920	2019
38	ADV 140187	UPL Limited	All	1807	1929	2061
39	UDMH-132	Udhampur	All	1831	1910	2044
40	IMHBG-17K-1	RMR & SPC Begusarai	All	1823	1902	2050
41	IMHBG-17K-13	RMR & SPC Begusarai	All	1847	1888	2068
42	IMHBG-17K-10	RMR & SPC Begusarai	All	1842	1894	2064
43	EH 2898	Udaipur	All	1857	1883	2002
44	KH 103	K.G.S.C.Pvt.Lim	All	1840	1934	2046
45	GK 3215	Ganga Kaveri Seeds Pvt. Ltd.	All	1870	1940	2069

E.No.	Hybrids Name	Institute/Organization	Zone	R1	R2	R3
46	GK 3213	Ganga Kaveri Seeds Pvt. Ltd.	All	1812	1885	1987
47	IMHBG-17K-2	RMR & SPC Begusarai	All	1806	1966	2003
48	IMHBG-17K-22	RMR & SPC Begusarai	All	1783	1897	1999
49	IMHBG-17K-14	RMR & SPC Begusarai	All	1828	1889	2045
50	IMHBG-17K-6	RMR & SPC Begusarai	All	1784	1973	2032
51	IMHBG-17K-18	RMR & SPC Begusarai	All	1837	1914	2049
52	IIMRNH 1702	IIMR Ludhiana	All	1871	1917	2062
53	JH 32055	PAU Ludhiana	All	1877	1908	2035
54	IMHBG-17K-4	RMR & SPC Begusarai	All	1852	1955	1991
55	NMH-4053	NUZIVEEDU SEEDS	All	1819	1882	2074
56	CCH 1818	Rhini Seeds Private limited.	All	1794	1942	2073
57	ADV 140235	UPL Limited	All	1850	1969	2072
58	KMH 16-40	SAREC, KANGRA	All	1797	1943	2018
59	STAR-X-18	STAR AGROTECH PVT.LTD.	All	1869	1974	2028
60	REH 2013-15	Kanpur	All	1785	1911	2079
61	AMH-14258	ANKUR SEED PVT.LTD.	All	1839	1922	1990
62	LMH 1017	Bajaura	All	1793	1907	1994
63	IMHBG-17K-11	RMR & SPC Begusarai	All	1782	1965	2015
64	JH 16045	PAU Ludhiana	All	1789	1939	2057
65	BLH 120	Bisco Bio Sciences Pvt.Ltd.	All	1802	1931	1986
66	LMH 917	Bajaura	All	1787	1952	2056
67	UDMH-131	Udhampur	All	1863	1926	2034
68	16402-008-01-01-03-5	Mahyco(Maharastra Hybrid Seeds Co Pvt.Ltd)	All	1865	1880	2037
69	WH-1010	Banswara	All	1804	1899	2022
70	BLH 121	Bisco Bio Sciences Pvt.Ltd.	All	1809	1949	2047
71	BRMH-10 (CAH-1566	VRDC DHARWAD	All	1805	1904	2052
72	OMH16-4	OUAT Bhubaneshwar	All	1833	1906	2005
73	AH 6009	IARI New Delhi	All	1798	1960	1982
74	IMHBG-17K-12	RMR & SPC Begusarai	All	1834	1951	2030
75	VaMH 15036	Vagarai	All	1788	1938	2063
76	IMHBG-17K-9	RMR & SPC Begusarai	All	1790	1948	2059
77	GIN-03	NONGWOO Seed India Pvt.Ltd.	All	1791	1970	2025
78	PM17103M	PHI SEEDS PVT.LTD.	All	1849	1978	2004
79	AH-1606	IARI New Delhi	All	1818	1924	2065
80	JASL-2033	adventz	All	1851	1916	2040
81	DKC7181 (IR8003)	Monsanto india. Pvt. Ltd.	All	1843	1954	2006
82	SYN716725	Syngnta	All	1780	1962	2066
83	JKMH 15303	JK seeds	All	1824	1881	2001
84	BLH 117	Bisco Bio Sciences Pvt.Ltd.	All	1792	1890	1993
85	PM17102M	PHI SEEDS PVT.LTD.	All	1826	1933	2033
86	BH 415158	PJTSAU MRC, ARI Rakendranagar	All	1854	1971	1983
87	VaMH 15005	Vagarai	All	1781	1903	2071
88	LMH 817	Bajaura	All	1876	1972	2048
89	IMHBG-17K-21	RMR & SPC Begusarai	All	1858	1947	2067
90	IMHBG-17K-16	RMR & SPC Begusarai	All	1874	1941	2029
91	NMH-51+	Nimal Seed Pvt.Lmt.	All	1868	1913	2014
92	IMHBG-17K-3	RMR & SPC Begusarai	All	1853	1919	1989
93	EH 2870	Udaipur	All	1864	1937	1980
94	K-27	K.G.S.C.Pvt.Lim	All	1796	1893	1998
95	RCRMH 4-1	Raichoor	All	1821	1944	1988
96	RCRMH3(CAH156)	Raichoor	All	1815	1979	1995
97	WH-1094	Banswara	All	1856	1927	1997
98	CMH 08-292 (C)	TNAU,Coimbatore	All	1810	1967	2077
99	BIO 9544 (C)	Bio Seed Research India Ltd.Hyderabad	All	1866	1946	2054
100	DHM 121 (C)	ANGRAU, Hyderabad	All	1808	1932	2031

Trial. 62 (Medium)**6**

Trial No. : Medium Maturity (NIVT) (62)
 Year (Season): 2017-Kharif
 Design Alpha
 Total Entries 100
 Replication : 3
 Total Block 30
 Block/Repl 10
 Entry/Block 10
 Row No. : 2
 Row Length: 4 mts.

Locations: Almora, Bajaura, Barapani, Kangra, Udhampur, Sirinagar, Gossaigoan (Jorhat), Imphal, Ludhiana, Karnal, Kanpur, Pantnagar, Dholi, Ranchi, Bhubaneswar, Varanasi, Bahraich, Sabour, Kalyani, Dharwad, Mandya, Karimnagar, Hyderabad, Coimbatore, Vagarai, Kolhapur, Rahuri, Udaipur, Banswara, Chindwara, Ambikapur, Godhra, Jabhua

REPLICATION-1										
Block 1	1833	1813	1844	1826	1783	1794	1879	1789	1868	1845
Block 2	1859	1828	1854	1835	1850	1798	1853	1816	1846	1802
Block 3	1795	1787	1834	1784	1864	1861	1781	1830	1797	1838
Block 4	1855	1832	1851	1812	1799	1824	1793	1852	1866	1820
Block 5	1801	1808	1782	1872	1819	1806	1817	1792	1805	1786
Block 6	1857	1803	1829	1815	1837	1874	1814	1804	1791	1807
Block 7	1870	1860	1810	1780	1800	1839	1818	1848	1823	1877
Block 8	1785	1867	1865	1862	1821	1875	1858	1790	1822	1842
Block 9	1878	1796	1811	1869	1847	1788	1876	1827	1836	1863
Block 10	1849	1873	1825	1840	1871	1856	1843	1831	1809	1841
REPLICATION 2										
Block 1	1892	1947	1926	1968	1978	1930	1964	1942	1940	1932
Block 2	1937	1920	1977	1962	1950	1949	1904	1897	1886	1974
Block 3	1939	1938	1927	1971	1901	1908	1894	1895	1915	1959
Block 4	1913	1941	1885	1880	1969	1928	1976	1936	1961	1924
Block 5	1929	1958	1881	1975	1906	1911	1922	1889	1898	1893
Block 6	1935	1945	1910	1884	1890	1914	1973	1907	1944	1960
Block 7	1963	1946	1934	1891	1972	1912	1970	1952	1882	1923
Block 8	1931	1967	1918	1896	1955	1953	1883	1925	1903	1948
Block 9	1951	1965	1902	1888	1933	1921	1905	1917	1957	1979
Block 10	1900	1916	1909	1956	1919	1954	1887	1943	1899	1966
REPLICATION 3										
Block 1	2035	2038	1981	1982	2013	2002	1980	2001	2015	2039
Block 2	2031	2047	2029	2079	2050	2040	2032	2007	2024	2020
Block 3	2004	2008	2077	2037	2070	2048	2018	2011	2061	1999
Block 4	1988	2033	1985	2074	2069	1986	2021	2075	2016	2063
Block 5	2055	1983	1995	2009	1996	2073	2059	1992	1987	2056
Block 6	2044	2054	2065	2078	2042	2045	2067	1984	2028	2022
Block 7	2034	2025	1997	2003	2019	2041	2071	2072	2060	2043
Block 8	2057	2023	2026	1991	1998	2017	2030	2046	2010	1993
Block 9	2052	2012	2027	2006	2000	2068	2014	1990	2049	2036
Block 10	2005	2058	1989	2053	2051	1994	2066	2076	2062	2064

Trial. 63-64 (Early+Ex early)

Trial No. : Early+Ex early Maturity (NIVT) (63+64)

Year (Season):2017-Kharif

Design Alpha

Total Entries 40

Replication : 3

Total Block 12

Block/Repl 4

Entry/Block 10

Row No. : 2

Row Length: 4 mts.

Locations: Almora, Bajaura, Barapani, Kangra, Udhampur, Sirinagar, Gossaigoan (Jorhat), Imphal
Ludhiana, Karnal, Kanpur, Pantnagar, Dholi, Ranchi, Bhubaneswar, Varanasi, Bahraich,
Sabour, Kalyani, Dharwad, Mandya, Karimnagar, Hyderabad, Coimbatore, Vagarai, Kolhapur,
Banswara, Chindwara, Ambikapur, Godhra, Jabhua, Rahuri, Udaipur

E.No.	Zone	Hybrids Name	Institute/Organization	R1	R2	R3
1	All	JH 31947	PAU Ludhiana	2086	2162	2200
2	All	JH 31983	PAU Ludhiana	2107	2145	2176
3	All	IH-1201	Godhra	2104	2157	2204
4	All	JH 32013	PAU Ludhiana	2120	2144	2183
5	All	WH-2212	Banswara	2105	2143	2189
6	All	IH-0652	Godhra	2106	2161	2187
7	All	FH 3816	Almora	2094	2150	2185
8	All	LMH 717	Bajaura	2117	2129	2192
9	All	AH 9003	IARI New Delhi	2109	2135	2201
10	All	VNR-32943	VNR Seeds pvt.Ltd.	2113	2136	2182
11	All	MEH 16-1	TCA Dholi, Muzaffarpur	2110	2139	2169
12	All	Azad Kanti	Kanpur	2092	2133	2167
13	All	REH 2013-17	Kanpur	2090	2148	2190
14	All	LMH 1115	Bajaura	2101	2154	2203
15	All	KMH 16-19	Kangra	2097	2134	2172
16	All	KMH 16-21	Kangra	2087	2126	2173
17	All	DH-313	Pantnagar	2100	2141	2194
18	All	REH 2013-19	Kanpur	2095	2131	2175
19	All	AH-7188	IARI New Delhi	2124	2159	2166
20	All	KMH 16-23	Kangra	2111	2146	2193
21	All	DH-311	Pantnagar	2119	2127	2178
22	All	MEH 16-2	TCA Dholi, Muzaffarpur	2112	2138	2186
23	All	FH 3823	Almora	2089	2149	2184
24	All	EH 2878	Udaipur	2098	2163	2199
25	All	DH-312	Pantnagar	2114	2132	2196
26	All	EH 2891	Udaipur	2103	2151	2188
27	All	IH-1002	Godhra	2088	2130	2177
28	All	AH-7080	IARI New Delhi	2102	2152	2181
29	All	JH 32010	PAU Ludhiana	2115	2147	2202
30	All	IH-1404	Godhra	2096	2153	2168
31	All	FH 3837	Almora	2093	2137	2198
32	All	KMH 16-9	Kangra	2091	2125	2174
33	All	JH 31968	PAU Ludhiana	2122	2164	2171
34	All	Syngenta EXIM	EXIM	2099	2158	2191
35	All	Filler	Filler	2121	2142	2180
36	All	PMH5 (C)	PAU Ludhiana	2108	2156	2165
37	All	BIO605 (C)	Bio Seed	2116	2155	2179
38	All	DKC 7074 (C)	Mansanto	2123	2128	2170
39	All	Vivek Hybrid 51 (C)	VPKAS Almora	2085	2140	2195
40	All	Vivek Hybrid 45 (C)	VPKAS Almora	2118	2160	2197

Trial. 63-64 (Early+Ex early)

Trial No. : Early+Ex early Maturity (NIVT) (63+64)
 Year (Season): 2017-Kharif
 Design Alpha
 Total Entries 40
 Replication : 3
 Total Block 12
 Block/Repl 4
 Entry/Block 10
 Row No. : 2
 Row Length: 4 mts.

Locations: Almora, Bajaura, Barapani, Kangra, Udhampur, Sirinagar, Gossaigoan (Jorhat), Imphal, Ludhiana, Karnal, Kanpur, Pantnagar, Dholi, Ranchi, Bhubaneswar, Varanasi, Bahraich, Sabour, Kalyani, Dharwad, Mandya, Karimnagar, Hyderabad, Coimbatore, Vagarai, Kolhapur, Rahuri, Udaipur, Banswara, Chindwara, Ambikapur, Godhra, Jabhua

REPLICATION 1										
Block 1	2100	2115	2090	2105	2116	2119	2086	2114	2109	2122
Block 2	2104	2110	2085	2121	2124	2094	2088	2089	2093	2097
Block 3	2108	2118	2092	2117	2102	2087	2098	2120	2091	2111
Block 4	2101	2103	2112	2107	2106	2099	2095	2096	2113	2123

REPLICATION 2										
Block 1	2136	2155	2158	2143	2163	2147	2130	2157	2154	2146
Block 2	2145	2149	2164	2135	2129	2148	2125	2151	2160	2159
Block 3	2153	2134	2141	2144	2152	2142	2161	2139	2127	2128
Block 4	2150	2137	2132	2156	2126	2138	2140	2131	2162	2133

REPLICATION 3										
Block 1	2194	2176	2181	2169	2198	2203	2171	2192	2199	2195
Block 2	2184	2168	2170	2165	2190	2182	2193	2177	2185	2200
Block 3	2183	2180	2201	2166	2187	2179	2186	2188	2202	2173
Block 4	2196	2174	2197	2172	2191	2204	2189	2167	2178	2175

Trial. 65 - NWPZ (Z-II) AVT-I (Late)

Trial No. : 65-NWPZ (Z - II) Late Maturity (AVT-I)

Year (Season): 2017-Kharif

Replication : 3

Row No. : 4

Row Length: 4 mts.

Locations: Ludhiana, Karnal, Kanpur, Pantnagar, Aligarh, Jhansi, Gurdaspur, Kapurthala

E.No.	Hybrids Name	Centre/Company	Tr.No	Zone	R1	R2	R3
1	CMH11-583	TNAU Coimbatore	65	II	1007	1021	1045
2	JH 15080	PAU Ludhiana	65	II	1001	1027	1050
3	PM16103L	PHI SEEDS PVT.LTD.	65	II	1006	1031	1042
4	DKC 9178 (IQ8623)	Monsanto india. Pvt. Ltd.	65	II	1003	1032	1040
5	OMH 14-16 (CAH1424)	OAUT Bhubaneswar	65	II	1011	1034	1047
6	NS 8001	Namdhari Seed Pvt.Ltd.	65	II	1004	1019	1054
7	MM 2626	Mahindra Agro solutions.	65	II	1008	1025	1039
8	JKMH 4152	JK seeds	65	II	1013	1029	1037
9	HT 16607	Hytech Seed India Private Limited	65	II	1017	1036	1051
10	VaMH 13024	Vagarai	65	II	1014	1023	1044
11	OMH 1462 (CAH 142)	OAUT Bhubaneswar	65	II	1010	1028	1043
12	JH 13023	PAU Ludhiana	65	II	1009	1033	1048
13	STAR-X-6	Star Agro	65	II	1016	1030	1038
14	GK 3204	Ganga Kaveri Seeds Pvt. Ltd.	65	II	1002	1020	1046
15	DH-300	Pantnagar	65	II	1012	1026	1053
16	BIO 9682 (C)	BIOSEED RESEARCH INDIA PVT. LTD.	65	II	1015	1035	1049
17	CMH 08-287 (C)	TNAU,Coimbatore	65	II	1018	1022	1052
18	CMH 08-282 (C)	TNAU,Coimbatore	65	II	1005	1024	1041

Trial. 65,69 - PZ (Z-IV) (AVT-I-II Late)

Trial No. : 65,69 PZ (Z - IV) Late Maturity (AVT-I-II)

Year (Season): 2017-Kharif

Replication : 3

Row No. : 6

Row Length: 4 mts.

Locations: Hyderabad, Sehgal Foundation ICRISAT, Karimnagar, VRDC KSSC Dharwad, Kolhapur, Dharwad, Mandya, Vagarai, Coimbatore, ARS Devihosur, Almel, ARS Belavatagi, Dhule, Parbhani, Arbahvi, Niphad Nasik, Rahuri

E.No.	Hybrids Name	Centre/Company	Trial No.	Zone	R1	R2	R3
1	GK 3202	Ganga Kaveri Seeds Pvt. Ltd.	65,69	IV	1063	1076	1077
2	DKC 9178 (IQ8623)	Monsanto india. Pvt. Ltd.	65,69	IV	1059	1073	1085
3	BIO 716	Bioseed	65,69	IV	1064	1070	1084
4	BIO 9682 (C)	Bioseed	65,69	IV	1060	1074	1083
5	CMH 08-287 (C)	TNAU,Coimbatore	65,69	IV	1058	1068	1078
6	CMH 08-282 (C)	TNAU,Coimbatore	65,69	IV	1066	1069	1079
	AVT-II						
7	ADV 7022	UPL Limited	65,69	IV	1061	1067	1080
8	PMH 1 (C)	PAU, Ludhiana	65,69	IV	1062	1075	1081
9	Seed Tech 2324 (C)	Bisco	65,69	IV	1057	1072	1082
10	BIO 9681 (C)	Bioseed	65,69	IV	1065	1071	1086

Trial. 65,69 -CWZ (Z-V) (AVT-I-II Late)

Trial No. : 65,69 CWZ (Z - V) Late Maturity (AVT-I-II)
 Year (Season): 2017-Kharif
 Replication : 3
 Row No. : 6
 Row Length: 4 mts.

Locations: Udaipur, Banswara, Chindwara, Ambikapur, Godhra, Jabua, Bhiloda, AAR Dahod, Rajpur,
 RARS Ujjain, ZARS Indore, ARS Kota, Jagadapur, Chittarkoot

E.No.	Hybrids Name	Centre/Company	Trial No.	Zone	R1	R2	R3
1	BIO 274	Bioseed	65,69	V	1089	1104	1110
2	BIO 9682 (C)	Bioseed	65,69	V	1096	1103	1109
3	CMH 08-287 (C)	TNAU,Coimbatore	65,69	V	1094	1101	1106
4	CMH 08-282 (C)	TNAU,Coimbatore	65,69	V	1090	1098	1111
	AVT-II						
5	DKC(9164)IP9002	Monsanto	65,69	V	1093	1102	1107
6	PMH 1 (C)	PAU Ludhiana	65,69	V	1092	1097	1112
7	Seed tech 2324(C)	Bisco	65,69	V	1091	1100	1105
8	Bio -9681(C)	Bioseed	65,69	V	1095	1099	1108

Trial. 66 - NHZ(Z-I) (AVT-I Medium)**11**

Trial No. : 66 NHZ (Z - I) Medium Maturity (AVT-I)

Year (Season): 2016-Kharif

Replication : 3

Row No. : 4

Row Length: 4 mts.

Locations: Almora, Bajaura, Udhampur, Kangra, Dhaulakuan, Barapani, Gossaiogaon, Imphal, Poonch, Rajouri

E.No.	Hybrids Name	Centre/Company	Trial No.	Zone	R1	R2	R3
1	OMH 14-18(CAH 1519)	DAUT Bhubaneswar	66	I	1125	1129	1145
2	LMH 1216	Bajaura	66	I	1124	1137	1140
3	DKC(7173)IQ 7802	Monsanto india. Pvt. Ltd.	66	I	1120	1131	1146
4	DKC 8174 (IQ8319)	Monsanto india. Pvt. Ltd.	66	I	1118	1133	1143
5	KH-2001 GOLD	K.G.S.C.Pvt.Lim	66	I	1119	1132	1138
6	DMRH1410	IIMR New Delhi	66	I	1127	1135	1147
7	IMH 1603	IIMR New Delhi	66	I	1123	1130	1141
8	CMH 08-292 (C)	Bioseed	66	I	1126	1134	1144
9	BIO 9544 (C)	TNAU, Coimbatore	66	I	1121	1136	1142
10	DHM 121 (C)	PJTSAU MRC, ARI Rakendranagar	66	I	1122	1128	1139

Trial. 66 NWPZ (Z-II) (AVT-I Medium)

Trial No. : 66, 70 NWPZ (Z - I) Medium Maturity (AVT-I)

Year (Season): 2017-Kharif

Replication : 3

Row No. : 4

Row Length: 4 mts.

Locations: Ludhiana, Karnal, Kanpur, Pantnagar, Aligarh, Jhansi, Gurdaspur, Kapurthala

E.No.	Hybrids Name	Centre/Company	Trial No.	Zone	R1	R2	R3	R4
1	RCRMH 2	UAS Raichur	66	II	1152	1158	1161	1165
2	JKMH 4157	JK seeds	66	II	1151	1157	1162	1166
3	BIO 9544 (C)	Bioseed	66	II	1154	1159	1164	1168
4	CMH 08-292 (C)	TNAU	66	II	1150	1155	1160	1167
5	DHM 121 (C)	PJTSAU MRC, ARI Rakendranagar	66	II	1153	1156	1163	1169

Trial. 66,70 - NEPZ (Z-III) (AVT-I-II Medium)

Trial No. : 66,70 NEPZ (Z - II) Medium Maturity (AVT-II-I)

Year (Season): 2017-Kharif

Replication : 3

Row No. : 6

Row Length: 4 mts.

Locations: Bholi, Ranchi, Bhubneshwar, Varanasi, Baharaich, Sabour, Kalyani, Medinapur, Koraput,

E.No.	Hybrids Name	Centre/Company	Trial No.	Zone	R1	R2	R3
1	IMHBG-2016-6	RMR & SPC Begusarai	66	III	1178	1194	1201
2	DKC 9179 (IQ8627)	Monsanto india. Pvt. Ltd.	66	III	1173	1195	1204
3	DKC 8174 (IQ8319)	Monsanto india. Pvt. Ltd.	66	III	1181	1186	1197
4	IMH 1527	IIMR New Delhi	66	III	1183	1193	1205
5	BIO 9544 (C)	Bioseed	66	III	1182	1192	1199
6	CMH 08-292 (C)	TNAU, Coimbatore	66	III	1176	1188	1198
7	DHM 121 (C)	PJTSAU HYD	66	III	1172	1187	1203
AVT-II							
8	VaMH 12014	Vagarai	70	III	1175	1191	1207
9	JKMH 4103	JK seeds	70	III	1180	1189	1200
10	JH 13347	PAU Ludhiana	70	III	1177	1190	1196
11	PMH4-C	CCS HAU RRS Karnal	70	III	1179	1184	1206
12	Bio 9637(C)	PAU Ludhiana	70	III	1174	1185	1202

Trial. 66 - PZ (Z-IV) (AVT-I Medium)

Trial No. : 66, 70 PZ (Z - IV)Medium Maturity (AVT-I)

Year (Season): 2017-Kharif

Replication : 3

Row No. : 6

Row Length: 4 mts.

Locations: Hyderabad, Sehgal Foundation ICRISAT, Karimnagar, VRDC KSSC Dharwad, Kolhapur, Mandya, Vagarai, Coimbatore, ARS Devihosur, Almel, ARS Belavatagi, Dhule, Parbhani, Dharwad, Arbahi, Niphad Nasik, Rahuri

E.No.	Hybrids Name	Centre/Company	Trial No.	Zone	R1	R2	R3
1	OMH 14-18(CAH 1519)	PAU Bhubaneswar	66	IV	1214	1221	1229
2	BLH 111	Bisco Bio Sciences Pvt.Ltd.	66	IV	1212	1222	1225
3	DKC 9179 (IQ8627)	Monsanto india. Pvt. Ltd.	66	IV	1213	1223	1224
4	JKMH 4157	JK seeds	66	IV	1211	1217	1226
5	BIO 9544 (C)	Bioseed	66	IV	1215	1218	1230
6	CMH 08-292 (C)	TNAU, Coimbatore	66	IV	1210	1220	1228
7	DHM 121 (C)	PJTSAU MRC, Hyderabad	66	IV	1216	1219	1227

Trial. 66,70 CWZ (Z-V) (Medium)

Trial No. :66,70 CWZ (Z -V) Medium Maturity (AVT-I-II Year)

Year (Season): 2017-Kharif

Replication : 3

Row No. : 6

Row Length: 4 mts.

Locations: Jaipur, Banswara, Chindwara, Ambikapur, Godhra, Jabua, Bhiloda, AAR Dahod, Rajpur, RARS Ujjain, ZARS Indore, ARS Kota,Jagadapur,Chittarkoot

E.No.	Hybrids Name	Centre/Company	Trial No.	Zone	R1	R2	R3
1	RCRMH 2	UAS Raichur	66	V	1245	1268	1276
2	LMH 1116	Bajaura	66	V	1235	1272	1289
3	LMH 616	Bajaura	66	V	1234	1253	1282
4	IMHBG-2016-4	RMR & SPC Begusarai	66	V	1250	1267	1284
5	IMHBG-2016-6	RMR & SPC Begusarai	66	V	1251	1255	1285
6	CCH 9999	Rhini Seeds Private limited.	66	V	1249	1258	1273
7	DKC 9179 (IQ8627)	Monsanto india. Pvt. Ltd.	66	V	1246	1265	1274
8	DKC 8174 (IQ8319)	Monsanto india. Pvt. Ltd.	66	V	1236	1264	1291
9	KH-2001 GOLD	K.G.S.C.Pvt.Lim	66	V	1238	1266	1287
10	JKMH 1414	JK seeds	66	V	1242	1269	1292
11	BH 414176	PJTSAU MRC, ARI Rakendranagar	66	V	1247	1262	1280
12	DMRH1410	IIMR New Delhi	66	V	1233	1254	1283
13	DMRH1419	IIMR New Delhi	66	V	1239	1271	1277
14	IMH 1527	IIMR New Delhi	66	V	1240	1260	1281
15	BIO 9544 (C)	Bioseed	66	V	1252	1263	1290
16	CMH 08-292 (C)	TNAU	66	V	1243	1261	1288
17	DHM 121 (C)	PJTSAU MRC, HYD	66	V	1237	1256	1275
	AVT-II						
18	JH 13347	PAU Ludhiana	70	V	1241	1257	1279
19	Bio 9637(C)	BIO SEEDS LTD.	70	V	1244	1270	1278
20	PMH4-C	PAU Ludhiana	70	V	1248	1259	1286

Trial. 67 - NEPZ (Z-III) (AVT-I Early)

Trial No. : 66 NEPZ (Z - III) Early Maturity (AVT-I)

Year (Season): 2017-Kharif

Replication : 3

Row No. : 4

Row Length: 4 mts.

Locations: Dholi, Ranchi, Bhubneshwar, Varanasi, Baharaich, Sabour, Kalyani, Medinapur, Koraput,

E.No.	Hybrids Name	Centre/Company	Trial No.	Zone	R1	R2	R3
1	JH 31816	PAU Ludhiana	67	III	1297	1308	1309
2	PMH5 (C)	PAU Ludhiana	67	III	1301	1306	1314
3	BIO605 (C)	Bioseed	67	III	1296	1304	1310
4	DKC 7074 (C)	Monsanto	67	III	1300	1303	1312
5	BIO9544 (Filler)	Bioseed	67	III	1298	1307	1315
6	Bio9682(Filler)	Bioseed	67	III	1295	1305	1311
7	SeedTech2324(F)	Bisco	67	III	1299	1302	1313

Trial. 67,68 PZ (Z-IV)(AVT-I, Early-EE- Maturity)

Trial No. : 67,68 PZ (Z -IV) Early-EE- Maturity (AVT-I Year)

Year (Season): 2017-Kharif

Replication : 3

Row No. : 4

Row Length: 4 mts.

Locations: Hyderabad, Shegal Foundation ICRISAT, Karimnagar, VRDC KSSC Dharwad, Kolhapur, Dharwad, Arbahvi Mandya, Vagarai, Coimbatore, ARS Devihosur, Almel, ARS Belavatagi, Dhule, Parbhani, Niphad Nasik, Rahuri

E.No.	Hybrids Name	Centre/Company	Trial No.	Zone	R1	R2	R3
1	FH 3765	Almora	67	IV	1319	1334	1342
2	FH 3768	Almora	67	IV	1326	1333	1337
3	KH-102	K.G.S.C.Pvt.Lim	67	IV	1318	1329	1340
4	FH 3771	Almora	68	IV	1320	1331	1344
5	PMH5 (C)	PAU	67	IV	1322	1330	1339
6	BIO605 (C)	Bioseed	67	IV	1324	1327	1336
7	DKC 7074 (C)	Monsanto	67	IV	1325	1332	1341
8	Vivek Hybrid 51 (C)	VPKAS Almora	67	IV	1321	1335	1338
9	Vivek Hybrid 45 (C)	VPKAS Almora	67	IV	1323	1328	1343

Trial. 67-71CWZ (Z-V)(AVT-I-II) Early Maturity)

Trial No. : 67-71 Z -V Early Maturity (AVT-I-II Year)

Year (Season): 2017-Kharif

Replication : 3

Row No. : 6

Row Length: 4 mts.

Locations: Udaipur, Banswara, Chindwara, Ambikapur, Godhra, Jabua, Bhiloda, AAR Dahod, Rajpur, Jagadapur, RARS Ujjain, ZARS Indore, ARS Kota, Chittarkoot

E.No.	Hybrids Name	Centre/Company	Trial No.	Zone	R1	R2	R3
1	KH-102	K.G.S.C.Pvt.Lim	67	V	1348	1357	1368
	AVT-II						
2	JKMH 4222	JK seeds	71	V	1349	1359	1365
3	PMH5 (C)	PAU, Ludhiana	71	V	1352	1358	1362
4	BIO605 (C)	Bioseed	71	V	1353	1361	1364
5	DKC 7074 (C)	Monsanto	71	V	1351	1360	1366
6	Prakash (C)	PAU, Ludhiana	71	V	1350	1356	1363
7	Bio9682(Filler)	Bioseed	71	V	1354	1355	1367

Trial. 71NHZ (Z-I)(AVT-II Early Maturity)

Trial No. : 71 Z -I Early Maturity (AVT-II Year)

Year (Season): 2017-Kharif

Replication : 3

Row No. : 6

Row Length: 4 mts.

Locations: Almora, Bajaura, Udampur, Kangra, Dhaulakuan, Barapani, Gossaiogaon, Imphal, Poonch, Rajouri

E.No.	Hybrids Name	Centre/Company	Trial No.	Zone	R1	R2	R3
1	FH 3754	Almora	71	I	1376	1381	1390
2	DMRH 1305	IIMR New Delhi	71	I	1371	1383	1385
3	PMH-5(C)	PAU Ludhiana	71	I	1375	1377	1387
4	Prakash(C)	PAU Ludhiana	71	I	1373	1378	1386
5	Bio9544(Filler)	Bioseed	71	I	1370	1379	1389
6	CMH 08-282(Filler)	TNAU	71	I	1372	1382	1388
7	CMH 08-292(Filler)	TNAU	71	I	1374	1380	1384

Trial. BC I-II-III

Trial No. : BC I-II-III
 Year (Season): 2017 (Kharif)
 Replication : 3
 Row No. : 4
 Row Length: 4 mts.

Locations: Almora, Bajaura, Barapani, Kangra, Imphal
 Ludhiana, Karnal, Delhi, Kanpur, Pantnagar
 Dholi, Ranchi, Bhubaneswar, Varanasi, Bahraich, Sabour, Kalyani
 Dharwad, Mandya, Karimnagar, Hyderabad, Coimbatore, Kolhapur, Rahuri
 Udaipur, Banswara, Chindwara, Ambikapur, Godhra

E.No.	Hybrids Name	Centre/Company	Trial No.	Zone**	R1	R2	R3
1	AH-7043	IARI New Delhi	BC II	I,III,IV	1405	1412	1424
2	IMHB 1538	IIMR New Delhi	BCIII	I,III,IV	1398	1409	1417
3	GAYMH-1	Godhra	BCIII	I,III,IV,V	1404	1413	1419
4	AHB 6005	IARI New Delhi	BC1	All	1397	1408	1421
5	IMHB 1529	IIMR New Delhi	BCIII	I,II,III,IV	1400	1410	1423
6	DMRHB 1305	IIMR New Delhi	BCIII	I,II,IV	1403	1407	1420
7	IMHB 1539	IIMR New Delhi	BCIII	I	1396	1416	1427
8	MBC 11-15	TCA Dholi, Muzaffarpur	BCIII	IV	1402	1411	1425
9	IMHB 1532	IIMR New Delhi	BCIII	I,II,III,IV,V	1395	1406	1418
10	PAC 321	UPL HYDERABAD	BCI	All	1401	1415	1422
11	HM 4 (C)	HAU Karnal	BC		1399	1414	1426

Note: **In rest of the zones, the test entry has been replaced with filler to constitute uniform trials across country

Trial. SC I-II-III

Trial No. : SC I-II-III
 Year (Season): 2017 (Kharif)
 Replication : 3
 Row No. : 4
 Row Length: 4 mts.

Locations: Almora, Bajaura, Barapani, Kangra, Imphal, Ludhiana, Karnal, Delhi, Kanpur, Pantnagar, Dholi, Ranchi,
 Bhubaneswar, Varanasi, Bahraich, Sabour, Kalyani, Dharwad, Mandya, Karimnagar, Hyderabad, Coimbatore,
 Kolhapur, Rahuri, Udaipur, Banswara, Chindwara, Ambikapur, Godhra

E.No.	Hybrids Name	Centre/Company	Trial No.	Zone**	R1	R2	R3
1	NSCH-130	Nimal Seed Pvt.Lmt.	SCI	All	1439	1455	1462
2	MITHAS	NONGWOO Seed India Pvt.Ltd.	SCI	I,II	1435	1453	1470
3	BSCH 6	PJTSAU MRC, ARI Raken, Pantnagar	SCIII	All	1433	1458	1465
4	ASKH-4	IARI New Delhi	SCIII	All	1438	1454	1469
5	ASKH-61	IARI New Delhi	SCI	All	1442	1457	1467
6	BIO 4043	BIOSEED RESEARCH INDIA PVT. LTD.	SCIII	III	1434	1448	1461
7	Nuzi 260	NUZIVEEDU SEEDS	SCI	All	1443	1447	1468
8	ASKH-1	IARI New Delhi	SCI	All	1436	1459	1471
9	FSCH 98	Almora	SCI	All	1430	1445	1466
10	Madhula	Mahodaya Hybrid seed Pvt.Ltd.	SCI	II	1432	1451	1463
11	FSCH 75	Almora	SCIII	I,III,IV,V	1444	1450	1474
12	Mishri (C) Madhura Sweet Corn	NUZIVEEDU SEEDS LIMITED	SCIII	All	1437	1446	1464
13	(C)	PJTSAU ARI Hyderabad	SC	All	1441	1452	1473
14	Priya Sweet Corn (C)	PJTSAU ARI Hyderabad	SC	All	1440	1449	1472
15	WOSC (C)	WNC, Hyderabad	SC	All	1431	1456	1460

Note: **In rest of the zones, the test entry has been replaced with filler to constitute uniform trials across country

Trial. PC I-II-III

Trial No. : PC I-II-III
 Year (Season): 2017 (Kharif)
 Replication : 3
 Row No. : 4
 Row Length: 4 mts.

Locations: Almora, Bajaura, Barapani, Kangra, Imphal, Ludhiana, Karnal, Delhi, Kanpur, Pantnagar, Dholi, Ranchi, Bhubaneswar, Varanasi, Bahraich, Sabour, Kalyani, Dharwad, Mandya, Karimnagar, Hyderabad, Coimbatore, Kolhapur, Rahuri, Udaipur, Banswara, Chindwara, Ambikapur, Godhra

E.No.	Hybrids Name	Centre/Company	Trial No.	Zone**	R1	R2	R3
1	BPCH 415042	PJTSAU MRC, ARI Rakendranagar	PCI	All	1485	1504	1519
2	Zea Maize DZ 50	GOURMET POPCORNICA LLP	PCI	All	1481	1494	1517
3	IHPC-1203	Godhra	PCII	All	1488	1493	1516
4	REPCH 2015-1	Kanpur	PCI	All	1492	1501	1509
5	IMHP-1535	IIMR New Delhi	PCIII	II,III,IV,V	1491	1503	1513
6	REPCH 2015-2	Kanpur	PCI	All	1480	1495	1508
7	Shalimar Popcorn -1	GPO Sri nagar	PCI	All	1490	1507	1515
8	MPC 1-15	TCA Dholi, Muzaffarpur	PCIII	II,III,IV	1486	1497	1511
9	IMHP-1540	IIMR New Delhi	PCIII	All	1483	1496	1518
10	APCH-1	IARI New Delhi	PCI	All	1482	1500	1514
11	SJPCI	SKUAST-Jammu	PCIII	I,II,III,IV	1484	1502	1521
12	IHPC-1201	Godhra	PCII	I,II,III,IV	1489	1498	1520
13	DPCH-306	Pantnagar	PCI	All	1478	1505	1522
14	Filler (Against KDPC1 ©	Sirinagar	PC	All	1487	1499	1512
15	VL Amber Popcorn (C)	Almora	PC	All	1479	1506	1510

Note: **In rest of the zones, the test entry has been replaced with filler to constitute uniform trials across country

Trial. QPM I-II-III

Trial No. : QPM I-II-III
 Year (Season): 2017 (Kharif)
 Design Alpha
 Total Entries 45
 Replication : 3
 Total Block 27
 Block/Repl 9
 Entry/Block 5
 Row No. : 4
 Row Length: 4 mts.

Locations: Almora, Bajaura, Barapani, Kangra, Imphal, Ludhiana, Karnal, Delhi, Kanpur, Pantnagar, Dholi, Ranchi, Bhubaneswar, Varanasi, Bahraich, Sabour, Kalyani, Dharwad, Mandya, Karimnagar, Hyderabad, Coimbatore, Kolhapur, Rahuri, Udaipur, Banswara, Chindwara, Ambikapur, Godhra

S.No.	Hybrids Name	Centre	Trial No.	Zone**	R1	R2	R3
1	EHQ 64	Udaipur	QPM	All	2232	2286	2319
2	IIMRQPMH 1703	IIMR Ludhiana	QPM	All	2253	2266	2336
3	OPQMH 15-1	Bhubneswar	QPMI	All	2250	2274	2328
4	IIMRQPMH 1602	IIMR Ludhiana	QPMI	III,IV	2237	2289	2314
5	IIMRQPMH 1710	IIMR Ludhiana	QPM	All	2211	2276	2311
6	QPM MH 27	TCA Dholi, Muzaffarpur	QPMI	II,IV,V	2251	2293	2337
7	APQH-7	IARI New Delhi	QPM-II	IV	2229	2272	2343
8	IIMRQPMH 1608	IIMR Ludhiana	QPMI	III	2235	2292	2339
9	IIMRQPMH 1706	IIMR Ludhiana	QPM	All	2218	2283	2321
10	IIMRQPMH 1508	IIMR Ludhiana (Promoted QPM)	QPM	II	2219	2278	2344
11	IIMRQPMH 1603	IIMR Ludhiana	QPMI	I,II,III,V	2244	2273	2315
12	VEQH-16-1	BHU	QPM	II,III,IV,V	2210	2265	2322
13	IIMRQPMH 1702	IIMR Ludhiana	QPM	All	2220	2261	2318
14	IIMRQPMH 1701	IIMR Ludhiana	QPM	All	2223	2264	2325
15	IIMRQPMH 1704	IIMR Ludhiana	QPM	All	2254	2256	2334
16	IIMRQPMH 1708	IIMR Ludhiana	QPM	All	2246	2285	2307
17	IIMRQPMH 1606	IIMR Ludhiana	QPMI	IV	2214	2287	2323
18	IIMRQPMH 1609	IIMR Ludhiana	QPMI	III	2216	2255	2305
19	IMHQPM 1530	IIMR New Delhi	QPM-II	I,III,	2245	2291	2316
20	IIMRQPMH 1610	IIMR Ludhiana	QPMI	III	2242	2269	2308
21	IIMRQPMH 1601	IIMR Ludhiana	QPMI	II,III,IV,V	2243	2270	2313
22	APQH-5	IARI New Delhi	QPM-II	All	2228	2271	2341
23	BQPMH 16	PJTSAU MRC, ARI Rakendra	QPMI	IV	2227	2298	2309
24	APH-1	IARI New Delhi	QPM-I	All	2249	2288	2324
25	FQH 106	Almora	QPMIII	IV,V	2213	2263	2330
26	DQH 111	Panthnagar	QPMI	All	2240	2295	2312
27	IIMRQPMH 1705	IIMR Ludhiana	QPM	All	2248	2259	2317
28	IIMRQPMH 1711	IIMR Ludhiana	QPM	All	2221	2296	2306
29	IIMRQPMH 1605	IIMR Ludhiana	QPMI	II,IV	2239	2260	2342
30	IIMRQPMH 1709	IIMR Ludhiana	QPM	All	2225	2280	2302
31	DQH 112	Panthnagar	QPMI	All	2224	2284	2327
32	LQPMH 415	Bajaura(Promoted kh 16)	QPMII	I	2212	2282	2331
33	OQPMH-14191	MIP GTC Kolhapur	QPM	All	2217	2268	2320
34	QPM MH 30	TCA Dholi, Muzaffarpur	QPM	All	2238	2257	2300
35	IIMRQPMH 1707	IIMR Ludhiana	QPM	All	2230	2279	2326
36	IIMRQPMH 1713	IIMR Ludhiana	QPM	All	2234	2299	2335
37	IIMRQPMH 1712	IIMR Ludhiana	QPM	All	2247	2258	2310
38	APH27	IARI New Delhi	QPM-II	I,III	2233	2262	2333
39	Vivek QPM 9 (C)	VPKAS Almora	QPM-I	All	2226	2267	2329
40	HQPM 1 (C)	CCS HAU,Uchani	QPM-I	All	2231	2281	2338
41	HQPM 4 (C)	CCS HAU,Uchani	QPM-I	All	2241	2297	2304
42	HQPM 5 (C)	CCS HAU,Uchani	QPM-I	All	2236	2290	2340
43	HQPM 7 (C)	CCS HAU,Uchani	QPM-I	All	2215	2277	2332
44	Vivek Hybrid-27-C	IARI New Delhi	QPM-II	I	2222	2294	2303
45	APQH-9-C	IARI New Delhi	QPM-II	All	2252	2275	2301

Note: **In rest of the zones, the test entry has been replaced with filler to constitute uniform trials across country

Trial. QPM I-II-III

Trial No. : QPM I-II-III
 Year (Season): 2017 (Kharif)
 Design Alpha
 Total Entries 45
 Replication : 3
 Total Block 27
 Block/Repl 9
 Entry/Block 5
 Row No. : 4
 Row Length: 4 mts.

Locations: Almora, Bajaura, Barapani, Kangra, Imphal, Ludhiana, Karnal, Delhi, Kanpur, Pantnagar, Dholi, Ranchi, Bhubaneswar, Varanasi, Bahraich, Sabour, Kalyani, Dharwad, Mandya, Karimnagar, Hyderabad, Coimbatore, Kolhapur, Rahuri, Udaipur, Banswara, Chindwara, Ambikapur, Godhra

REPLICATION 1					
Block 1	2239	2244	2242	2233	2253
Block 2	2228	2224	2231	2220	2237
Block 3	2212	2227	2223	2241	2211
Block 4	2235	2214	2240	2222	2230
Block 5	2236	2217	2251	2254	2249
Block 6	2218	2252	2216	2248	2234
Block 7	2221	2245	2232	2247	2219
Block 8	2213	2215	2229	2246	2238
Block 9	2210	2250	2243	2225	2226

REPLICATION 2					
Block 1	2276	2299	2290	2261	2291
Block 2	2286	2288	2262	2282	2255
Block 3	2285	2271	2292	2275	2280
Block 4	2297	2259	2289	2279	2265
Block 5	2274	2273	2257	2281	2295
Block 6	2269	2293	2296	2277	2264
Block 7	2284	2258	2287	2283	2298
Block 8	2270	2256	2260	2294	2272
Block 9	2268	2266	2278	2263	2267

REPLICATION 3					
Block 1	2341	2337	2342	2322	2310
Block 2	2312	2319	2320	2307	2304
Block 3	2334	2338	2330	2331	2321
Block 4	2333	2343	2309	2318	2302
Block 5	2311	2315	2306	2313	2301
Block 6	2328	2326	2305	2332	2316
Block 7	2344	2314	2308	2303	2335
Block 8	2340	2300	2323	2336	2317
Block 9	2324	2339	2327	2329	2325

Trial. Rainfed NORMAL SET**Maturity Group:** Late

Year (Season): 2017-Kharif

Total entries 9

Replication : 3

Row No. : 3

Row Length: 3 mts.

Locations: Kolhapur, Karimnagar, Vagarai, Devisour, Banswara, Godhra
Chindawara

E.No	Hybrids Name	Centre/Company	Trial set	TRIAL	R1	R2	R3
1	CMH 12-686	TNAU Coimbatore	Normal-L	NIVT	N-2698	N-2703	N-2716
2	GH-1514	Dharwad	Normal-L	NIVT	N-2694	N-2702	N-2708
3	GK 3206	Ganga Kaveri Seeds	Normal-L	AVTI	N-2697	N-2700	N-2709
4	RCRMH-4(CAH1525)	USA Raichur	Normal-L	AVTI	N-2696	N-2704	N-2714
5	PMH1	PAU, Ludhiana	Normal-L	NIVT	N-2692	N-2701	N-2711
6	PMH3	PAU, Ludhiana	Normal-L	NIVT	N-2695	N-2705	N-2710
7	BIO 9682 (C)	BIOSEED RESEARCH	Normal-L	Check	N-2691	N-2699	N-2715
8	CMH 08-287 (C)	TNAU,Coimbatore	Normal-L	Check	N-2693	N-2707	N-2713
9	CMH 08-282 (C)	TNAU,Coimbatore	Normal-L	Check	N-2690	N-2706	N-2712

Trial. Rainfed RAINFED SET**Maturity Group:** Late

Year (Season): 2017-Kharif

Total entries 9

Replication : 3

Row No. : 3

Row Length: 3 mts.

Locations: Kolhapur, Karimnagar, Vagarai, Devisour, Banswara, Godhra
Chindawara

E.No	Hybrids Name	Centre/Company	Trial set	TRIAL	R1	R2	R3
1	CMH 12-686	TNAU Coimbatore	Rainfed-L	NIVT	RF-2698	RF-2703	RF-2716
2	GH-1514	Dharwad	Rainfed-L	NIVT	RF-2694	RF-2702	RF-2708
3	GK 3206	Ganga Kaveri Seeds	Rainfed-L	AVTI	RF-2697	RF-2700	RF-2709
4	RCRMH-4(CAH1525)	USA Raichur	Rainfed-L	AVTI	RF-2696	RF-2704	RF-2714
5	PMH1	PAU, Ludhiana	Rainfed-L	NIVT	RF-2692	RF-2701	RF-2711
6	PMH3	PAU, Ludhiana	Rainfed-L	NIVT	RF-2695	RF-2705	RF-2710
7	BIO 9682 (C)	BIOSEED RESEARCH	Rainfed-L	Check	RF-2691	RF-2699	RF-2715
8	CMH 08-287 (C)	TNAU,Coimbatore	Rainfed-L	Check	RF-2693	RF-2707	RF-2713
9	CMH 08-282 (C)	TNAU,Coimbatore	Rainfed-L	Check	RF-2690	RF-2706	RF-2712

Trial. Rainfed **Normal Set**

20

Maturity Group: Medium

Year (Season): 2017-Kharif

Replication : 2

Row No. : 3

Row Length: 3 mts.

Locations: Kolhapur, Karimnagar, Vagarai, Devisour, Banswara, Godhra, Chindawara

E.No.	Hybrids Name	Centre/Company	Trial Set	TRIAL	R1	R2
1	VaMH 15028	Vagarai	Normal-M	NIVT	N-2643	N-2674
2	ADH 1620	IARI New Delhi	Normal-M	NIVT	N-2644	N-2673
3	DHM117	PTJAU, HYDERABAD	Normal-M	AVTI	N-2648	N-2668
4	VaMH 15030	Vagarai	Normal-M	NIVT	N-2655	N-2663
5	ADH 1621	IARI New Delhi	Normal-M	NIVT	N-2652	N-2679
6	RCRMH5	USA Raichur	Normal-M	NIVT	N-2640	N-2669
7	PMH4	PAU, Ludhiana	Normal-M	NIVT	N-2661	N-2676
8	IMH1618	IIMR New Delhi	Normal-M	AVT-I	N-2649	N-2665
9	WH-2096	Banswara	Normal-M	NIVT	N-2654	N-2678
10	RCRMH3(CAH156)	UAS Raichur	Normal-M	NIVT	N-2659	N-2672
11	RCRMH4-1	UAS Raichur	Normal-M	NIVT	N-2647	N-2681
12	IMH 1533	IIMR New Delhi	Normal-M	AVTI	N-2641	N-2675
13	RCRMH6	UAS Raichur	Normal-M	NIVT	N-2653	N-2682
14	RCRMH8	UAS Raichur	Normal-M	NIVT	N-2646	N-2671
15	ADH 1619	IARI New Delhi	Normal-M	NIVT	N-2650	N-2666
16	DMRH1306	IIMR NEW DELHI	Normal-M	NIVT	N-2660	N-2664
17	OMH14-27	OUAT Bhubaneshwar	Normal-M	AVTI	N-2658	N-2670
18	DMRH1419	IIMR New Delhi	Normal-M	NIVT	N-2657	N-2683
19	VaMH 13023	Vagarai	Normal-M	NIVT	N-2651	N-2667
20	CMH 08-292 (C)	TNAU,Coimbatore	Normal-M	AVT-I	N-2656	N-2680
21	BIO 9544 (C)	Bio Seed Research India Ltd. Hyderabad	Normal-M	CHECK	N-2642	N-2677
22	DHM 121 (C)	PTJAU, HYDERABAD	Normal-M	CHECK	N-2645	N-2662

Trial. Rainfed **RAINFED SET**

Maturity Group: Medium

Year (Season): 2017-Kharif

Total entries 22

Replication : 2

Row No. : 3

Row Length: 3 mts.

Locations: Kolhapur, Karimnagar, Vagarai, Devisour, Banswara, Godhra, Chindawara

E.No.	Hybrids Name	Centre/Company	Trial Set	TRIAL	R1	R2
1	VaMH 15028	Vagarai	Rainfed-M	NIVT	RF-2643	RF-2674
2	ADH 1620	IARI New Delhi	Rainfed-M	NIVT	RF-2644	RF-2673
3	DHM117	PTJAU, HYDERABAD	Rainfed-M	NIVT	RF-2648	RF-2668
4	VaMH 15030	Vagarai	Rainfed-M	NIVT	RF-2655	RF-2663
5	ADH 1621	IARI New Delhi	Rainfed-M	NIVT	RF-2652	RF-2679
6	RCRMH5	USA Raichur	Rainfed-M	NIVT	RF-2640	RF-2669
7	PMH4	PAU, Ludhiana	Rainfed-M	NIVT	RF-2661	RF-2676
8	IMH1618	IIMR New Delhi	Rainfed-M	AVT-I	RF-2649	RF-2665
9	WH-2096	Banswara	Rainfed-M	NIVT	RF-2654	RF-2678
10	RCRMH3(CAH156)	UAS Raichur	Rainfed-M	NIVT	RF-2659	RF-2672
11	RCRMH4-1	UAS Raichur	Rainfed-M	NIVT	RF-2647	RF-2681
12	IMH 1533	IIMR New Delhi	Rainfed-M	AVTI	RF-2641	RF-2675
13	RCRMH6	UAS Raichur	Rainfed-M	NIVT	RF-2653	RF-2682
14	RCRMH8	UAS Raichur	Rainfed-M	NIVT	RF-2646	RF-2671
15	ADH 1619	IARI New Delhi	Rainfed-M	NIVT	RF-2650	RF-2666
16	DMRH1306	IIMR NEW DELHI	Rainfed-M	NIVT	RF-2660	RF-2664
17	OMH14-27	OUAT Bhubaneshwar	Rainfed-M	AVTI	RF-2658	RF-2670
18	DMRH1419	IIMR New Delhi	Rainfed-M	NIVT	RF-2657	RF-2683
19	VaMH 13023	Vagarai	Rainfed-M	NIVT	RF-2651	RF-2667
20	CMH 08-292 (C)	TNAU,Coimbatore	Rainfed-M	AVT-I	RF-2656	RF-2680
21	BIO 9544 (C)	Bio Seed Research India Ltd. Hyderabad	Rainfed-M	CHECK	RF-2642	RF-2677
22	DHM 121 (C)	PTJAU, HYDERABAD	Rainfed-M	CHECK	RF-2645	RF-2662

Trial. Rainfed NORMAL SET**Maturity Group:** Early

Year (Season): 2017-Kharif

Total entries 11

Replication : 3

Row No. : 3

Row Length: 3 mts.

Locations: Kolhapur, Karimnagar, Vagarai, Devisour, Banswara, Godhra
Chindawara

E.No.	Hybrids Name	Centre/Company	Trial Set	TRIAL	R1	R2	R3
1	WH-2104	Banswara	Normal-E	NIVT	N-2728	N-2744	N-2756
2	WH-2093	Banswara	Normal-E	NIVT	N-2729	N-2740	N-2757
3	GEMH-15115	Dharwad	Normal-E	NIVT	N-2732	N-2738	N-2750
4	KDMH-103	SKUAST Kashmir	Normal-E	NIVT	N-2733	N-2739	N-2751
5	DMRH1417	IIMR, New Delhi	Normal-E	NIVT	N-2731	N-2746	N-2748
6	Vivek Hybrid 51	Almora	Normal-E	NIVT	N-2726	N-2743	N-2749
7	Vivek Hybrid 45	Almora	Normal-E	NIVT	N-2735	N-2737	N-2755
8	PMH5 (C)	PAU Ludhiana	Normal-E	NIVT	N-2727	N-2736	N-2754
9	BIO605 (C)	Bioseed	Normal-E	NIVT	N-2734	N-2741	N-2752
10	DKC 7074 (C)	Monsanto	Normal-E	NIVT	N-2725	N-2742	N-2753
11	Prakash (C)	PAU Ludhiana	Normal-E	NIVT	N-2730	N-2745	N-2747

Trial. Rainfed RAINFED SET**Maturity Group:** Early

Year (Season): 2017-Kharif

Total entries 11

Replication : 3

Row No. : 3

Row Length: 3 mts.

Locations: Kolhapur, Karimnagar, Vagarai, Devisour, Banswara, Godhra
Chindawara

E.No.	Hybrids Name	Centre/Company	Trial Set	TRIAL	R1	R2	R3
1	WH-2104	Banswara	Rainfed-E	NIVT	RF-2728	RF-2744	RF-2756
2	WH-2093	Banswara	Rainfed-E	NIVT	RF-2729	RF-2740	RF-2757
3	GEMH-15115	Dharwad	Rainfed-E	NIVT	RF-2732	RF-2738	RF-2750
4	KDMH-103	SKUAST Kashmir	Rainfed-E	NIVT	RF-2733	RF-2739	RF-2751
5	DMRH1417	IIMR, New Delhi	Rainfed-E	NIVT	RF-2731	RF-2746	RF-2748
6	Vivek Hybrid 51	Almora	Rainfed-E	NIVT	RF-2726	RF-2743	RF-2749
7	Vivek Hybrid 45	Almora	Rainfed-E	NIVT	RF-2735	RF-2737	RF-2755
8	PMH5 (C)	PAU Ludhiana	Rainfed-E	NIVT	RF-2727	RF-2736	RF-2754
9	BIO605 (C)	Bioseed	Rainfed-E	NIVT	RF-2734	RF-2741	RF-2752
10	DKC 7074 (C)	Monsanto	Rainfed-E	NIVT	RF-2725	RF-2742	RF-2753
11	Prakash (C)	PAU Ludhiana	Rainfed-E	NIVT	RF-2730	RF-2745	RF-2747

Trial. 62 (Medium)-A

Trial No. : Medium Maturity (NIVT) (62)A

Year (Season): 2016-Kharif

Replication : 3

Row No. : 2

Row Length: 4 mts.

Locations: Srinagar

E.No.	Zone	IIMR Code	R1	R2	R3
1	All	IMR1701	1310	1358	1407
2	All	IMR1702	1323	1346	1417
3	All	IMR1703	1337	1366	1389
4	All	IMR1704	1302	1350	1404
5	All	IMR1705	1329	1362	1381
6	All	IMR1706	1315	1353	1396
7	All	IMR1707	1307	1345	1420
8	All	IMR1708	1317	1369	1415
9	All	IMR1709	1311	1368	1392
10	All	IMR1710	1314	1344	1416
11	All	IMR1711	1309	1365	1386
12	All	IMR1712	1316	1343	1393
13	All	IMR1713	1335	1348	1382
14	All	IMR1714	1325	1352	1414
15	All	IMR1715	1301	1379	1412
16	All	IMR1716	1340	1377	1394
17	All	IMR1717	1304	1378	1399
18	All	IMR1718	1327	1360	1409
19	All	IMR1719	1320	1380	1397
20	All	IMR1720	1330	1371	1387
21	All	IMR1721	1312	1361	1383
22	All	IMR1722	1334	1351	1395
23	All	IMR1723	1308	1364	1402
24	All	IMR1724	1303	1372	1400
25	All	IMR1725	1321	1357	1405
26	All	IMR1726	1339	1363	1390
27	All	IMR1727	1305	1376	1384
28	All	IMR1728	1332	1359	1401
29	All	IMR1729	1319	1374	1410
30	All	IMR1730	1306	1354	1408
31	All	IMR1731	1313	1347	1411
32	All	IMR1732	1331	1370	1413
33	All	IMR1733	1322	1356	1398
34	All	IMR1734	1338	1375	1391
35	All	IMR1735	1318	1355	1406
36	All	IMR1736	1336	1367	1418
37	All	IMR1737	1326	1373	1385
38	All	IMR1738	1333	1341	1388
39	All	IMR1739	1324	1349	1403
40	All	IMR1740	1328	1342	1419

Important Note= Kindly short out the materials in increasing order of plot number in each replication before sowing

Trial. 62 (Medium)-B

Trial No. : Medium Maturity (NIVT) (62)B

Year (Season): 2016-Kharif

Replication : 3

Row No. : 2

Row Length: 4 mts.

Locations: Srinagar

E.No.	Zone	IIMR Code	R1	R2	R3
1	All	IMR1745	1431	1491	1533
2	All	IMR1746	1446	1493	1546
3	All	IMR1747	1449	1475	1511
4	All	IMR1748	1429	1474	1545
5	All	IMR1749	1436	1480	1528
6	All	IMR1750	1443	1487	1540
7	All	IMR1751	1439	1492	1518
8	All	IMR1752	1464	1498	1529
9	All	IMR1753	1452	1467	1523
10	All	IMR1754	1444	1504	1536
11	All	IMR1755	1425	1506	1525
12	All	IMR1756	1458	1495	1526
13	All	IMR1757	1461	1499	1535
14	All	IMR1758	1437	1482	1510
15	All	IMR1759	1430	1470	1519
16	All	IMR1760	1459	1489	1509
17	All	IMR1761	1451	1477	1531
18	All	IMR1762	1465	1472	1520
19	All	IMR1763	1432	1486	1515
20	All	IMR1764	1434	1488	1544
21	All	IMR1765	1463	1497	1543
22	All	IMR1766	1426	1490	1530
23	All	IMR1767	1427	1469	1512
24	All	IMR1768	1440	1503	1514
25	All	IMR1769	1438	1483	1521
26	All	IMR1770	1450	1473	1547
27	All	IMR1771	1445	1484	1542
28	All	IMR1772	1433	1468	1527
29	All	IMR1773	1428	1501	1539
30	All	IMR1774	1447	1494	1524
31	All	IMR1775	1462	1485	1541
32	All	IMR1776	1453	1466	1507
33	All	IMR1777	1442	1496	1522
34	All	IMR1778	1441	1479	1534
35	All	IMR1779	1455	1502	1508
36	All	IMR1780	1454	1478	1516
37	All	IMR1781	1460	1500	1538
38	All	IMR1782	1456	1505	1532
39	All	IMR1783	1457	1476	1537
40	All	IMR1784	1435	1481	1517
41	All	IMR1785	1448	1471	1513

Trial. 63-64 (Early+Ex early)

Trial No. : Early+Ex early Maturity (NIVT) (63+64)

Year (Season): 2016-Kharif

Replication : 3

Row No. : 2

Row Length: 4 mts.

Locations: Srinagar

E.No.	Zone	IIMR Code	R1	R2	R3
1	All	IMR1790	1564	1593	1646
2	All	IMR1791	1573	1596	1653
3	All	IMR1792	1567	1606	1661
4	All	IMR1793	1558	1612	1656
5	All	IMR1794	1585	1621	1632
6	All	IMR1795	1578	1594	1631
7	All	IMR1796	1577	1603	1664
8	All	IMR1797	1581	1591	1647
9	All	IMR1798	1568	1605	1655
10	All	IMR1799	1560	1624	1640
11	All	IMR1800	1582	1610	1638
12	All	IMR1801	1571	1598	1648
13	All	IMR1802	1579	1623	1660
14	All	IMR1803	1572	1608	1651
15	All	IMR1804	1583	1604	1639
16	All	IMR1805	1551	1627	1642
17	All	IMR1806	1566	1630	1669
18	All	IMR1807	1552	1599	1643
19	All	IMR1808	1584	1614	1658
20	All	IMR1809	1554	1609	1663
21	All	IMR1810	1586	1620	1668
22	All	IMR1811	1575	1600	1644
23	All	IMR1812	1555	1611	1645
24	All	IMR1813	1559	1607	1650
25	All	IMR1814	1576	1626	1637
26	All	IMR1815	1553	1628	1636
27	All	IMR1816	1561	1601	1670
28	All	IMR1817	1590	1595	1666
29	All	IMR1818	1557	1615	1662
30	All	IMR1819	1570	1616	1659
31	All	IMR1820	1588	1597	1657
32	All	IMR1821	1556	1619	1667
33	All	IMR1822	1562	1592	1635
34	All	IMR1823	1589	1618	1649
35	All	IMR1824	1565	1613	1665
36	All	IMR1825	1569	1617	1634
37	All	IMR1826	1580	1602	1654
38	All	IMR1827	1563	1625	1652
39	All	IMR1828	1587	1622	1641
40	All	IMR1829	1574	1629	1633

Trial. OPV - NHZ(Z-I)-NIVT

Year (Season): 2017-Kharif

Replication : 3

Row No. : 3

Row Length: 4 mts.

Locations: Almora, Bajaura, Udhampur, Kangra, Barapani, Gossaiogaon, Imphal,

EN	Genotype	Trial	Center	R1	R2	R3
1	RCM 1-2 (OPV)	NIVT	Meghalaya	2771	2778	2782
2	RCM 1-61 (OPV)	NIVT	Meghalaya	2773	2777	2785
3	RCM 1-75 (OPV)	NIVT	Meghalaya	2775	2780	2783
4	RCM 1-76 (OPV)	NIVT	Meghalaya	2770	2776	2786
5	Vijay -C	NIVT	Meghalaya	2772	2779	2784
6	Hement-C	NIVT	Meghalaya	2774	2781	2787

Trial. QPM I-II-III

Trial No. : QPM I-II-III

Year (Season): 2017 (Kharif)

Replication : 3

Row No. : 2

Row Length: 4 mts.

Locations: Almora, IIMR-Ludhiana, IARI-Delhi

E.No.	Hybrid	Center	R1	R2	R3
1	FQH 106	Almora	3006	3010	3014
2	HQPM 1 (C)	CCS HAU,Uchani	3001	3007	3018
3	HQPM 4 (C)	CCS HAU,Uchani	3004	3011	3013
4	HQPM 5 (C)	CCS HAU,Uchani	3003	3008	3017
5	HQPM 7 (C)	CCS HAU,Uchani	3002	3012	3016
6	APQH-9-C	IARI New Delhi	3005	3009	3015

AGRONOMY

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Crop Production *Kharif* 2017

Summary

The major agronomic research trials on maize based systems during *Kharif* 2017 were focused on nutrient and planting density optimization for different maturity pre-released and notified maize hybrids, precision nutrient management, site specific nutrient management (SSNM) for maize hybrids and tillage practices, weed management in maize, and enhancing water-use efficiency in rainfed maize.

MAT-01: Evaluation of pre-release genotypes under varying planting density and nutrient levels

The pre-release early maturity genotypes were evaluated under different nutrient levels (200:65:80, 250:80:100 and state recommendation N:P₂O₅:K₂O kg/ha) in Northern Hill Zone (NHZ) at Almora and Central West Zone (CWZ) at Banswara and Chhindwara. In NHZ genotype DMRH 1305 and FH 3754 both responded to higher nutrient level (250:80:100 N: P₂O₅: K₂O kg/ha) with high plant density (1,00,000) over best check (PMH-5, Prakash). While in Central Western Zone, JKMH-4222 responded to lower nutrient level (200:60:80 N: P₂O₅: K₂O kg/ha) at Jhabua and to higher nutrient level at Udaipur over best checks (PMH-5, Prakash).

The pre-release medium maturing genotypes were evaluated under different nutrient levels (200:65:80, 250:80:100 and state recommendation N:P₂O₅:K₂O kg/ha) in North Eastern Plain Zone (NEPZ) at Bahraich and Kalyani. Pre-release genotype VAMH 12014 was found significantly superior at higher nutrient levels and low planting density (66,000) over the best check (Bio 9637) at Bahraich and high plant density (83,000) at Kalyani. While JKMH4103 and JH 13347 were also found significantly superior at higher nutrient levels and low planting density (66,000) at Bahraich.

The pre-release late maturing genotypes were evaluated under different nutrient levels (200:65:80, 250:80:100 and state recommendation N:P₂O₅:K₂O kg/ha) in Central West Zone (CWZ) at Banswara and Chhindwara and Peninsular Zone (PZ) at Coimbatore and Hyderabad. In both CWZ and PZ no entry was found significantly superior over best checks.

The performance of pre release QPM genotypes was evaluated under different nutrient levels (200:65:80, 250:80:100 and state recommendation N:P₂O₅:K₂O kg/ha) in Central West Zone (CWZ) at Banswara and Chhindwara and Peninsular Zone (PZ) at Coimbatore and Dharwad. In both CWZ and PZ no entry was found significantly superior over best checks.

In specialty corn pre-release popcorn genotypes evaluated under different nutrient levels (150:50:60, 200:60:80 N: P₂O₅: K₂O kg/ha) in North Hill Zone (Bajaura), Northern Eastern Plain Zone (NEPZ) at Bhubaneswar, and CWZ at

A-2

Chhindwara and Godhra. While, in NWPZ (Karnal and Ludhiana), and in PZ at Dharwad and Karimnagar, genotypes were evaluated with additional state recommendation as one of the nutrient treatment. In NHZ (Bajaura) IMHP-1535, MPC 1-15 and SJPCI were found significantly superior at higher dose of nutrient (200:60:80 N: P₂O₅: K₂O kg/ha) along with lower density (83,000) over best check (VL Amber Popcorn). In North West Plain Zone at both the locations (Karnal and Ludhiana), genotypes IMHP-1535, MPC 1-15 and SJPCI were found significantly superior with higher dose of nutrient (200:60:80 N: P₂O₅: K₂O kg/ha) and high density (83,000). Similar result was also found in North Eastern Plain Zone at Bhubaneswar where SJPCI genotype responded to higher nutrient dose and higher density of 83,000 plants. In Peninsular Zone at Karimnagar genotypes IMHP-1535, MPC 1-15 and IMHP-1540 responded significantly with higher nutrient dose and higher density (1,00,000), while genotype SJPCI responded with higher nutrient dose with lower density (83,000). In CWZ genotype MPC 1-15 responded significantly to higher nutrient dose with higher density (83,000) at Chhindwara, while genotype IMHP-1535 and SJPCI responded to lower nutrient dose with higher density (83,000) over best check (VL Amber Popcorn) at Godhra.

The pre-release sweet corn genotypes were evaluated under different nutrient levels and planting density in NHZ (Almora and Imphal), NWPZ (Delhi and Pantnagar), NEPZ (Kalyani), PZ (Karimnagar and Vagarai) and CWZ (Ambikapur, Jhabua and Udaipur). In NHZ at Almora genotype FSCH 75 responded significantly at higher dose (200:60:80 N: P₂O₅: K₂O kg/ha) and higher density (83,000), while at Imphal, genotype FSCH 75 responded significantly with higher dose (200:60:80 N: P₂O₅: K₂O kg/ha) and lower density (66,000) but genotype AKSH 4 responded to higher dose (200:60:80 N: P₂O₅: K₂O kg/ha) and higher density (83,000). In NWPZ significant response was found at Pantnagar where genotype AKSH 4 responded to higher dose (200:60:80 N: P₂O₅: K₂O kg/ha) and lower density (66,000). In NEPZ at Kalyani significant response was found with AKSH 4 with higher dose (200:60:80 N: P₂O₅: K₂O kg/ha) and higher density (83,000). In PZ, at Karimnagar significant response was found with genotype AKSH 4 at higher dose (200:60:80 N: P₂O₅: K₂O kg/ha) and lower density (83,000), while at Vagarai significant response was found with genotype FSCH75 (150:50:60 kg N: P₂O₅: K₂O kg/ha and 1,00,000 plants), AKSH 4 (200:60:80 kg N: P₂O₅: K₂O kg/ha and 1,00,000 plants) over best check, respectively. In CWZ significant response was found only at Jhabua where genotype AKSH 4 responded significantly at lower dose (150:50:60 kg N: P₂O₅: K₂O kg/ha) and higher density (83,000).

The pre-release baby corn genotypes were evaluated under different nutrient levels and planting density in NHZ (Almora and Imphal), NWPZ (Delhi and Pantnagar), NEPZ (Kalyani), PZ (Karimnagar and Vagarai) and CWZ (Ambikapur, Jhabua and Udaipur). In NHZ, genotype IMHB 1539 responded to high nutrient dose and low density (200:60:80 kg N: P₂O₅: K₂O kg/ha and 1,11,000 plants) at Bajaura while same genotype responded to higher nutrient dose with high density

(1,30,000) at Udhampur over best check (HM-4). In NWPZ, at both the locations (Karnal and Pantnagar) genotype IMHB-1529 and IMHB-1532 were found significantly superior (200:60:80 kg N: P₂O₅: K₂O kg/ha and 1,25,000 plants) over best check (HM-4). In NEPZ no entry was found significantly superior over best checks. In PZ, only at Vagarai genotype GAMH-1 (200:60:80 kg N: P₂O₅: K₂O kg/ha and 1,25,000 plants) was found significantly superior over best check (HM-4). In CWZ, at Banswara, genotype IMBH-1532 (150:50:60 kg N: P₂O₅: K₂O kg/ha and 1,25,000 plants) over best check (HM-4).

MAT-02: Nutrient management in maize-wheat-greengram cropping system under different tillage practices

The experiments were conducted at three locations (Pantnagar, Dholi, and Udaipur) to find out effective precision nutrient management *viz*; SSNM and tillage practices for achieving the higher yield under intensified cropping system. At Pantnagar from the very beginning Planting of maize under zero tillage didn't resulted significant difference over conventional tillage system. However, at Dholi and Udaipur zero tillage resulted significant increase in yield over conventional tillage system. Amongst nutrient management practices SSNM and RDF resulted in significantly higher yield over farmer's fertilization practices (FFP) at all the locations.

MAT-04: Nutrient management in maize-chickpea/mustard/Oats cropping systems under different tillage practices.

The experiment was conducted at four locations (Srinagar, Delhi, Banswara and Chhindwara) to find out effective SSNM and tillage practices for yield maximization in emerging cropping systems. Planting of maize under zero tillage resulted 7.2-34.6% higher yields over conventional tillage system at Srinagar, Banswara and Delhi. However, the method of conventional tillage planting gave higher yield at Chhindwara. Amongst nutrient management practices, SSNM resulted in significantly higher yield at all centers, however, it remained at par with 100% RDF at Srinagar and Delhi.

MAT-05: Effect of planting density and nutrient management practices on the performance of hybrids in *Kharif* season.

This experiment was conducted for yield maximization of popular maize hybrids through optimization of planting density and nutrient management at 19 locations in different agro-ecologies of the country. The popular maize hybrids responded to high density at two locations of NHZ i.e. Bajaura, Imphal (60 x 15 cm²), two locations of NWPZ i.e. Ludhiana and Pantnagar (67.5x15 cm²), two locations of NEPZ i.e. Bhubaneswar and Kalyani (50x20 cm²), two locations of PZ i.e. Hyderabad and Coimbatore (50 x 20 cm²) and two locations of CWZ i.e. Udaipur and Banswara (50 x 20 cm²) over normal density, respectively. The response to

normal planting density observed at one location of NHZ (Srinagar at 60 x 20 cm²), one location of NWPZ (Karnal 67 x 20 cm²), two locations of NEPZ i.e. Bahraich, and Dholi at 60 x 20 cm². Amongst various nutrient management practices, SSNM resulted in significantly higher yield at locations Srinagar, Ludhiana, Ambikapur, Banswara, Bahraich and Imphal, while Soil test crop response (STCR) was found significantly superior at 06 locations Bajaura, Karnal, Bhubaneswar, Ranchi, Kalyani, and Udaipur. However, 150% RDF gave significantly higher yield at Hyderabad but FFP gave higher yield at Godhra.

MAT- 07: Long term trial on integrated nutrient management in maize-wheat cropping system

To explore the possibilities of integrated nutrient management by inclusion of organic sources in maize production this long term experiment was initiated during *Kharif* 2014 at Pantnagar. After completion of four years, significantly higher maize grain yield (5.53 t/ha) was obtained with 100% RDF + 5 t/ha FYM, however, it remained at par with 100% RDF+ 5 kg Zinc Sulphate (5.37 t/ha). In comparison to this Maize+ Cowpea with FYM 10 t/ha + Azotobacter treatment resulted 17.9% lower yield (4.54 t/ha). On the contrary, economic analysis showed a new path for organic cultivation of maize and in third consecutive year it was found that maize + cowpea as intercrop with FYM 10 t/ha + Azotobacter resulted in highest net returns and B: C ratio of maize (2.76).

MAT-08: Weed management in maize systems.

The experiments conducted at 19 locations to find out the options of best weed management practices in maize based systems in different agro-climatic conditions during *Kharif* 2017. At all the locations the treatments were T1: Control (weedy check), T2: Weed free, T3: Atrazine @ 1.5* kg/ha pre-emergence, T4: Atrazine (750 g /ha) + Pendemathalin (750 ml/ha) pre-emergence, T5: Atrazine (1.5 kg a.i./ha) fb 2,4-D Amine 0.4 kg a.i./ha at 25 DAS as PoE, T6: Halosulfuron 90 g/ha at 25 DAS, T7: Atrazine @ 1.5 kg a.i./ha pre-emergence fb Halosulfuron 90 g/ha 25 DAS, T8: Tembotrione (Laudis) 120 g a.i./ha PoE at 25 DAS, T9: Pendemathalin (1000 ml/ha) pre-emergence fb Atrazine (750 g a.i. /ha) + 2,4-D Amine 0.4 kg a.i./ha at 25 DAS as PoE and T10: Atrazine @ 1.5 kg/ha pre-emergence fb Tembotrione (Laudis) 120 g a.i./ha PoE at 25 DAS. The results showed that two best weed management treatments were T10 and T9 at locations Bajaura, Karnal, Ludhiana, Chitrakoot, Kalyani, and Ambikapur, T7 and T10 at Srinagar, Hyderabad and Bahraich; T10 and T5 at Pantnagar, Dharwad and Dholi; T10 and T4 at Bhubaneswar, Karimnagar, Vagarai and Udaipur; T10 and T08 at Banswara; T5and T8 at Imphal, T3 and T4 at Chhindwara. For finding best post emergence herbicide it was found that T10 (Atrazine @ 1.5 kg/ha pre-emergence fb Tembotrione (Laudis) 120 g/ha PoE at 25 DAS) at 17 locations, while T7 (Atrazine @ 1.5 kg/ha pre-emergence fb Halosulfuron 60 g/ha 25 DAS) found effective for

weed management in *Kharif* maize at three locations (Srinagar, Bahraich and Hyderabad).

MAT-09: Enhancing water-use efficiency in rainfed maize.

The experiments conducted at six locations to find out practices for enhancing water-use efficiency in rainfed maize in different agro-climatic conditions during *Kharif* 2017. The rainfed maize responded to zero tillage + mulch at Srinagar and Karimnagar locations and resulted yield enhancement by 8.3 and 14.1% higher yield over conventional tillage without mulch, respectively. While response to conventional tillage with mulch was observed at Bhubaneswar and Karimnagar locations. Amongst various hydrogel treatments the application of hydrogel @5.0 kg/ha resulted yield increment by 2.9, 11.6, 9.8 and 10.9% at Srinagar, Bhubaneswar, Chhindwara and Udaipur locations, respectively over no hydrogel application.

MAT-10 Phosphorus Bio-fertilizers evaluation in maize

The experiment was initiated to identify potential bio-fertilizer in maize in collaboration with ICAR-National Bureau of Agriculturally Important Microorganisms (NBIAM) during *Kharif* 2016. The treatment consisted of T1: Control (Recommended N and K), T2:PSB-I, T3: PSB-II, T4: NPK Consortia, T5: 60 kg P₂O₅/ha, T6: 30 kg P₂O₅/ha + PSB-I, T7: 60 kg P₂O₅/ha + PSB-I, T8: 30 kg P₂O₅/ha + PSB-II, T9: 60 kg P₂O₅/ha + PSB-II, T10: 30 kg P₂O₅/ha + NPK Consortia, T11: 60 kg P₂O₅/ha + NPK Consortia, T12: 90 kg P₂O₅/ha. The result reveals that T11- 60 kg P₂O₅/ha + NPK Consortia treatment combination produced highest yield at Karnal, Ludhiana, Pantnagar, Bhubaneswar, Chitrakoot, Kalyani, Vagarai and Banswara. However, T9 (60 kg P₂O₅/ha + PSB-II) treatment combination produced highest yield at 4 locations viz. Srinagar, Imphal, Pantnagar, Dholi and Jhabua and T12 (90 kg P₂O₅/ha) resulted at 3 locations (Dharwad, Ambikapur, Chhindwara), T6 (30 kg P₂O₅/ha + PSB-I) found better at one location of Bahraich, T8 (30 kg P₂O₅/ha + PSB-II) found better at one location of Karimnagar and T10 (30 kg P₂O₅/ha + NPK Consortia) resulted highest yield at one location of Kolhapur. On the other hand T1- Control (Recommended N and K) was found highest yielder at Gossaingaon, Coimbatore and Udaipur. From significance point of view different strain of phosphorus bio-fertilizers were at par, hence any one can be used for maize.

MAT-11 Optimization of potassium fertilization for eastern India

This experiment was initiated in *Kharif* 2016 with the objective to work out economic optimum dose of potassium in maize for eastern India at 5 locations Bahraich, Dholi, Ranchi, Ambikapur and Kalyani. The treatment comprises of graded doses of K₂O from 0-150 kg/ha. After completion of two years results revealed that potassium dose of 150 kg/ha resulted in significant increase at

Bahraich, Ranchi (at par upto 90 kg) and Ambikapur (at par upto 90 kg), while at Dholi and Kalyani it responded upto 90 kg/ha. It was inferred that there is variable response of maize to the potassium fertilization in Eastern India.

MAT-12: Ecological intensification for climate resilient maize based cropping systems

This experiment was initiated in *Kharif* 2017 with the objective to develop the ecological intensification practice that could improve the current farmer practice in the identified cropping system while reducing the climatic risk. To evaluate the performance of ecological intensification over the existing farmer practice in terms of crop yields, farmer profitability and environmental sustainability. To quantify the attributions of various practices alone or in combination on gain/loss in productivity and farmers profitability under normal *vis-a-vis* climate aberration. The results revealed that by adoption of ecological intensification yield was significantly at increased at all locations in the range of 1.6 % (Karnal) to as high as 131% (Bajaura). Out of 15 locations at 7 locations (Bajaura, Karnal, Ludhiana, Ranchi, Dharwad, Karimnagar and Chhindwara) nutrient management played significant role in maximum yield reduction. At 4 locations (Coimbatore, Ambikapur, Banswara and Udaipur) weed management played most important role in reduction of maximum yield. At two locations (Srinagar and Kalyani) plant density played most important role in reduction in yield. Tillage practice played important role in maximum reduction in yield at Imphal and water management played most important role in reduction in yield at Vagarai.

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Table 1: Performance of pre release late maturity genotypes in *Kharif* under varying planting density and nutrients levels in Peninsular Zone (PZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Grain yield (kg/ha)		Stover yield (kg/ha)		Plants ('000/ha)	
			Coimbatore	Hyderabad	Coimbatore	Hyderabad	Coimbatore	Hyderabad
83,000	State Recommendation (250:75:75 Coim, 200:60:50 Hyd)	ADV 7022	8614	6865	10804	7594	77.7	81.1
		PMH 1 (C)	8551	7396	10286	8010	77.7	78.9
		Seed Tech 2324 (C)	8259	6078	8619	7001	79.0	75.5
		BIO 9681 (C)	8758	7654	12058	8368	79.4	77.2
	200:65:80	ADV 7022	8249	7098	10275	7777	78.1	77.8
		PMH 1 (C)	8191	8244	9781	8308	78.5	77.0
		Seed Tech 2324 (C)	7913	6906	8197	7340	77.7	77.0
		BIO 9681 (C)	8392	8003	11467	8677	75.9	78.3
	250:80:100	ADV 7022	8637	7278	10906	8475	78.5	76.7
		PMH 1 (C)	8576	8624	10388	8873	77.7	77.8
		Seed Tech 2324 (C)	8285	7357	8704	7823	77.7	74.4
		BIO 9681 (C)	8794	9344	12168	9143	77.7	78.9
1,00,000	State Recommendation	ADV 7022	9243	7831	11649	7818	93.3	93.9
		PMH 1 (C)	9174	7968	11091	8370	92.9	86.7
		Seed Tech 2324 (C)	8862	7228	9294	7623	92.9	92.2
		BIO 9681 (C)	9398	8352	13002	8730	95.5	90.0
	200:65:80	ADV 7022	8851	8281	11075	8160	95.5	93.3
		PMH 1 (C)	8788	8163	10544	8690	92.0	88.9
		Seed Tech 2324 (C)	8492	7719	8836	7613	93.8	92.7
		BIO 9681 (C)	9003	8503	12361	8919	92.9	90.0
	250:80:100	ADV 7022	9267	8383	11751	8910	91.6	93.3
		PMH 1 (C)	9201	9081	11187	9160	92.9	87.8
		Seed Tech 2324 (C)	8889	8581	9375	8300	95.9	88.4
		BIO 9681 (C)	9428	9421	13114	9513	93.3	88.3
Mean of location			8742.3	7931.5	10705.5	8299.8	85.7	84.0
83,000			8435	7571	10304	8116	78.0	77.6
1,00,000			9050	8292	11107	8484	93.5	90.5
CD at 5%			186.4	NS	138.6	286.8	2.1	NS
CV (%)			2.1	9.5	1.3	3.4	2.4	10.9
State Recommendation			8857	7421	10850	7939	86.0	84.5
200:65:80			8485	7864	10317	8186	85.5	84.4
250:80:100			8885	8509	10949	8775	85.7	83.2
CD at 5%			321.1	160.6	380.4	182.4	NS	NS
CV (%)			5.5	3.0	5.3	3.3	3.3	2.0
ADV 7022			8810	7622	11077	8122	85.8	86.0
PMH 1 (C)			8747	8246	10546	8568	85.3	82.8
Seed Tech 2324 (C)			8450	7312	8838	7617	86.1	83.4
BIO 9681 (C)			8962	8546	12362	8892	85.8	83.8
CD at 5%			358.5	439.4	375.6	351.1	NS	9.3
CV (%)			6.1	8.2	5.2	6.3	4.0	5.1

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A-8

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Cobs ('000/ha)		Plant height (cm)		Days 50% tasseling	
			Coimbatore	Hyderabad	Coimbatore	Hyderabad	Coimbatore	Hyderabad
83,000	State Recommendation	ADV 7022	72.0	78.4	233.9	190.5	52.3	66.3
		PMH 1 (C)	72.5	77.3	232.3	184.3	52.3	67.7
		Seed Tech 2324 (C)	74.2	74.3	224.7	173.4	52.0	66.7
		BIO 9681 (C)	73.8	76.0	236.1	187.5	52.7	66.7
	200:65:80	ADV 7022	72.5	76.6	228.4	201.9	52.0	66.7
		PMH 1 (C)	73.3	75.9	226.5	197.9	51.7	66.0
		Seed Tech 2324 (C)	72.5	75.7	218.7	187.9	51.3	67.0
		BIO 9681 (C)	71.2	76.0	230.4	209.7	52.0	66.0
	250:80:100	ADV 7022	75.1	75.5	234.6	210.7	52.7	65.7
		PMH 1 (C)	72.5	76.3	232.8	219.5	52.3	66.3
		Seed Tech 2324 (C)	72.5	73.1	223.7	203.0	51.7	66.7
		BIO 9681 (C)	72.5	78.1	235.4	220.1	52.7	66.0
1,00,000	State Recommendation	ADV 7022	86.8	92.8	236.4	200.6	51.7	65.0
		PMH 1 (C)	88.1	85.2	234.9	195.7	51.3	65.7
		Seed Tech 2324 (C)	88.1	90.8	226.8	183.2	51.0	66.0
		BIO 9681 (C)	90.3	88.9	238.7	202.4	52.3	66.0
	200:65:80	ADV 7022	91.1	91.7	230.2	207.3	51.3	66.7
		PMH 1 (C)	88.1	87.8	229.3	210.7	51.0	66.0
		Seed Tech 2324 (C)	87.6	91.3	221.1	203.2	51.3	66.3
		BIO 9681 (C)	88.5	88.8	232.9	213.9	51.7	65.3
	250:80:100	ADV 7022	85.9	91.6	237.1	211.2	51.7	66.3
		PMH 1 (C)	86.3	86.4	235.4	220.5	51.3	67.0
		Seed Tech 2324 (C)	90.7	87.0	227.3	214.5	51.3	67.0
		BIO 9681 (C)	87.7	87.2	239.5	227.7	52.3	66.3
Mean of location			80.6	82.6	231.1	203.2	51.8	66.3
83,000			72.9	76.1	229.8	198.9	52.1	66.5
1,00,000			88.3	89.1	232.5	207.6	51.5	66.1
CD at 5%			2.0	10.0	1.7	NS	NS	NS
CV (%)			2.5	11.9	0.7	10.4	4.4	1.5
State Recommendation			80.7	83.0	233.0	189.7	52.0	66.3
200:65:80			80.6	83.0	227.2	204.1	51.5	66.3
250:80:100			80.4	81.9	233.2	215.9	52.0	66.4
CD at 5%			NS	NS	NS	9.1	NS	NS
CV (%)			4.3	2.2	3.9	6.7	2.7	1.8
ADV 7022			80.6	84.4	233.4	203.7	51.9	66.1
PMH 1 (C)			80.1	81.5	231.9	204.8	51.7	66.4
Seed Tech 2324 (C)			80.9	82.0	223.7	194.2	51.4	66.6
BIO 9681 (C)			80.6	82.5	235.5	210.2	52.3	66.1
CD at 5%			NS	NS	NS	6.2	NS	NS
CV (%)			5.5	5.0	6.1	4.5	3.7	1.7

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A-9

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Days 50% Silking		Days to maturity	100-seed weight (g)	
			Coimbatore	Hyderabad	Hyderabad	Coimbatore	Hyderabad
83,000	State Recommendation	ADV 7022	56.3	69.0	99.7	32.7	28.0
		PMH 1 (C)	56.0	70.0	102.3	34.1	25.0
		Seed Tech 2324 (C)	55.7	68.7	99.0	34.8	23.7
		BIO 9681 (C)	56.3	69.7	103.7	31.1	29.0
	200:65:80	ADV 7022	55.7	69.3	101.0	32.2	28.7
		PMH 1 (C)	55.3	68.3	104.7	33.7	27.0
		Seed Tech 2324 (C)	55.0	69.3	101.0	34.3	25.7
		BIO 9681 (C)	55.7	69.7	106.0	30.7	29.7
	250:80:100	ADV 7022	56.7	68.7	103.0	32.9	31.0
		PMH 1 (C)	56.0	68.3	106.0	34.2	29.0
		Seed Tech 2324 (C)	55.7	68.7	102.3	35.1	32.3
		BIO 9681 (C)	56.3	68.3	107.3	31.3	34.0
1,00,000	State Recommendation	ADV 7022	55.3	68.0	98.7	32.1	28.3
		PMH 1 (C)	55.0	68.7	100.0	33.6	26.0
		Seed Tech 2324 (C)	54.7	69.0	97.3	34.3	23.3
		BIO 9681 (C)	56.3	69.0	100.7	30.4	27.7
	200:65:80	ADV 7022	55.3	68.7	100.3	31.8	29.3
		PMH 1 (C)	54.7	69.3	101.7	33.2	26.7
		Seed Tech 2324 (C)	55.3	69.3	100.3	33.8	25.3
		BIO 9681 (C)	55.7	68.7	103.3	29.9	30.7
	250:80:100	ADV 7022	55.3	68.7	101.0	32.4	30.7
		PMH 1 (C)	55.0	69.7	104.0	33.8	30.0
		Seed Tech 2324 (C)	55.3	69.3	102.3	34.5	28.3
		BIO 9681 (C)	56.0	69.3	105.3	30.7	32.3
Mean of location			55.6	69.0	102.1	32.8	28.4
83,000			55.9	69.0	103.0	33.1	28.6
1,00,000			55.3	69.0	101.3	32.5	28.2
CD at 5%			NS	NS	NS	NS	NS
CV (%)			2.2	1.4	1.8	5.2	14.2
State Recommendation			55.7	69.0	100.2	32.9	26.4
200:65:80			55.3	69.1	102.3	32.5	27.9
250:80:100			55.8	68.9	103.9	33.1	31.0
CD at 5%			NS	NS	1.1	NS	0.4
CV (%)			2.7	1.2	1.6	3.6	2.1
ADV 7022			55.8	68.7	100.6	32.4	29.3
PMH 1 (C)			55.3	69.1	103.1	33.8	27.3
Seed Tech 2324 (C)			55.3	69.1	100.4	34.5	26.4
BIO 9681 (C)			56.1	69.1	104.4	30.7	30.6
CD at 5%			NS	NS	1.1	1.1	0.8
CV (%)			2.5	1.8	1.5	5.0	4.0

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A-10

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Net returns (Rs./ha)		B:C ratio		Cob length (cm)	
			Coimbatore	Hyderabad	Coimbatore	Hyderabad	Coimbatore	Hyderabad
83,000	State Recommendation	ADV 7022	83350	58874	2.47	1.09	17.2	16.5
		PMH 1 (C)	81887	40503	2.44	0.75	17.1	17.1
		Seed Tech 2324 (C)	75840	61962	2.34	1.48	16.4	16.0
		BIO 9681 (C)	86764	63329	2.53	1.17	17.5	16.8
	200:65:80	ADV 7022	78710	70001	2.42	1.27	16.4	17.2
		PMH 1 (C)	77346	51462	2.40	0.93	16.2	17.5
		Seed Tech 2324 (C)	71592	66131	2.29	1.20	15.7	17.3
		BIO 9681 (C)	82042	67468	2.48	1.22	16.8	17.8
	250:80:100	ADV 7022	83479	73997	2.46	1.29	17.4	18.7
		PMH 1 (C)	82051	56341	2.44	0.98	17.2	18.2
		Seed Tech 2324 (C)	76002	83593	2.33	1.46	16.7	18.1
		BIO 9681 (C)	87101	84913	2.53	1.48	17.8	17.9
1,00,000	State Recommendation	ADV 7022	90630	66525	2.52	1.21	16.3	16.5
		PMH 1 (C)	89037	56539	2.49	1.03	16.1	17.2
		Seed Tech 2324 (C)	82560	71800	2.38	1.31	15.4	16.5
		BIO 9681 (C)	94313	72907	2.58	1.33	16.8	15.6
	200:65:80	ADV 7022	85540	68504	2.47	1.22	15.6	17.4
		PMH 1 (C)	84064	62713	2.44	1.12	15.3	66.9
		Seed Tech 2324 (C)	77916	72802	2.34	1.30	14.7	17.2
		BIO 9681 (C)	89106	74108	2.53	1.32	16.1	16.6
	250:80:100	ADV 7022	90779	80219	2.51	1.38	16.6	17.3
		PMH 1 (C)	89225	73348	2.49	1.26	16.3	18.4
		Seed Tech 2324 (C)	82733	84453	2.38	1.45	15.7	18.2
		BIO 9681 (C)	94557	85667	2.58	1.47	17.1	17.9
Mean of location			84026.0	68673.4	2.45	1.24	16.4	19.4
83,000			80514	64881	2.43	1.19	16.9	17.4
1,00,000			87538	72466	2.48	1.29	16.0	21.3
CD at 5%			2811.8	NS	NS	NS	0.4	NS
CV (%)			3.3	21.9	2.1	23.0	2.6	5.7
State Recommendation			85548	61555	2.47	1.17	16.6	16.5
200:65:80			80790	66649	2.42	1.20	15.8	23.5
250:80:100			85741	77816	2.46	1.35	16.8	18.1
CD at 5%			NS	4529.8	NS	0.1	0.5	0.3
CV (%)			8.9	9.9	5.3	13.0	4.6	2.3
ADV 7022			85415	69687	2.48	1.24	16.6	17.3
PMH 1 (C)			83935	56818	2.45	1.01	16.4	25.9
Seed Tech 2324 (C)			77774	73457	2.34	1.37	15.8	17.2
BIO 9681 (C)			88981	74732	2.54	1.33	17.0	17.1
CD at 5%			5489.6	5768.7	0.1	0.1	0.6	0.2
CV (%)			9.7	12.4	5.8	14.8	5.7	2.0

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A-11

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Cob girth (cm)		Grain rows/cob		Grains/row	
			Coimbatore	Hyderabad	Coimbatore	Hyderabad	Coimbatore	Hyderabad
83,000	State Recommendation	ADV 7022	14.4	12.6	15.9	16.1	35.9	30.6
		PMH 1 (C)	14.3	13.1	15.6	14.4	34.2	33.1
		Seed Tech 2324 (C)	13.9	12.7	15.2	13.8	34.0	32.5
		BIO 9681 (C)	14.6	14.0	16.4	15.8	37.1	34.1
	200:65:80	ADV 7022	14.0	13.4	15.6	16.5	34.7	34.8
		PMH 1 (C)	13.8	14.3	15.1	13.8	33.1	34.2
		Seed Tech 2324 (C)	13.3	13.1	14.4	14.9	32.7	33.8
		BIO 9681 (C)	14.1	14.0	16.0	16.7	35.8	36.3
	250:80:100	ADV 7022	14.6	13.4	16.0	15.3	36.1	34.8
		PMH 1 (C)	14.4	14.1	15.6	13.9	35.5	36.4
		Seed Tech 2324 (C)	14.1	13.1	15.2	13.9	34.1	38.0
		BIO 9681 (C)	14.9	14.3	16.4	16.2	37.4	39.0
1,00,000	State Recommendation	ADV 7022	13.9	12.6	15.6	14.1	34.5	31.9
		PMH 1 (C)	13.8	13.1	15.2	14.2	33.9	33.2
		Seed Tech 2324 (C)	13.1	13.2	14.8	12.9	32.4	33.6
		BIO 9681 (C)	14.2	13.2	16.1	24.9	35.6	36.0
	200:65:80	ADV 7022	13.5	13.5	15.1	14.7	33.3	35.3
		PMH 1 (C)	13.3	14.1	14.7	15.4	32.5	34.3
		Seed Tech 2324 (C)	12.7	13.9	14.4	13.4	31.1	33.8
		BIO 9681 (C)	13.7	13.9	15.5	14.3	34.4	39.1
	250:80:100	ADV 7022	14.1	13.1	15.6	14.9	34.7	37.1
		PMH 1 (C)	13.8	14.1	15.3	15.4	34.2	39.0
		Seed Tech 2324 (C)	13.3	13.5	14.9	13.0	32.8	37.5
		BIO 9681 (C)	14.3	14.4	16.1	15.1	35.9	40.3

Mean of location	13.9	13.5	15.4	15.1	34.4	35.4
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83,000	14.2	13.5	15.6	15.1	35.0	34.8
1,00,000	13.6	13.6	15.3	15.2	33.8	35.9

CD at 5%	NS	NS	NS	0.7	NS	NS
CV (%)	6.8	1.2	3.3	4.6	4.0	4.4

State Recommendation	14.0	13.1	15.6	15.8	34.7	33.1
200:65:80	13.6	13.8	15.1	15.0	33.4	35.2
250:80:100	14.2	13.8	15.7	14.7	35.1	37.8

CD at 5%	0.5	0.3	0.3	NS	NS	0.8
CV (%)	5.0	3.5	3.1	4.5	5.8	3.4

ADV 7022	14.1	13.1	15.6	15.3	34.9	34.1
PMH 1 (C)	13.9	13.8	15.2	14.5	33.9	35.0
Seed Tech 2324 (C)	13.4	13.3	14.8	13.6	32.9	34.9
BIO 9681 (C)	14.3	14.0	16.1	17.2	36.0	37.5
CD at 5%	0.5	0.3	0.6	0.4	1.3	0.8
CV (%)	5.0	3.7	5.9	4.3	5.4	3.2

Table 2: Performance of pre release late maturity genotypes in *Kharif* under varying planting density and nutrients levels in Central West Zone (CWZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Grain yield (kg/ha)		Stover yield (kg/ha)		Plants ('000/ha)	
			Banswara	Chhindwara	Banswara	Chhindwara	Banswara	Chhindwara
66,000	State Recommendation (120:60:40 Bans)	DKC(9164)IP9002	7396		12035		62.2	
		PMH 1 (C)	8018		13748		61.2	
		Seed tech 2324(C)	5737		9913		62.5	
		Bio -9681(C)	7638		12526		62.8	
	200:65:80	DKC(9164)IP9002	7603	7582	12423	11980	62.7	68.0
		PMH 1 (C)	8744	7999	13958	13198	63.4	61.1
		Seed tech 2324(C)	6325	5978	10315	8549	61.0	64.6
		Bio -9681(C)	8053	6936	12999	10751	62.1	61.1
	250:80:100	DKC(9164)IP9002	7845	8561	12949	14297	61.7	68.7
		PMH 1 (C)	9366	8686	14889	16243	65.0	65.3
		Seed tech 2324(C)	7258	6686	11943	9562	64.2	64.6
		Bio -9681(C)	8536	7915	13517	13060	65.1	64.6
83,000	State Recommendation	DKC(9164)IP9002	7949		12831		80.5	
		PMH 1 (C)	8778		14019		80.1	
		Seed tech 2324(C)	6705		11431		71.7	
		Bio -9681(C)	8260		14132		79.3	
	200:65:80	DKC(9164)IP9002	8260	8186	13386	11870	74.0	79.2
		PMH 1 (C)	9919	8290	15277	14508	81.1	78.5
		Seed tech 2324(C)	7569	6541	12142	9680	79.3	74.3
		Bio -9681(C)	9435	7874	14545	12519	76.8	79.2
	250:80:100	DKC(9164)IP9002	8847	9009	13788	14504	81.8	81.9
		PMH 1 (C)	10230	8957	16116	12988	82.0	77.8
		Seed tech 2324(C)	7949	7370	12369	10170	77.3	77.8
		Bio -9681(C)	10126	8624	15558	12504	79.6	78.5
Mean of location			8189.4	7824.7	13200.4	12274.0	70.7	71.6
66,000			7710	7543	12601	12205	62.8	64.7
83,000			8669	8106	13799	12343	78.6	78.4
CD at 5%			NS	NS	NS	NS	8.1	7.7
CV (%)			28.4	6.1	24.0	6.5	11.3	8.7
State Recommendation			7560		12580		70.0	
200:65:80			8238	7423	13130	11632	70.1	70.7
250:80:100			8770	8226	13891	12916	72.1	72.4
CD at 5%			718.5	733.7	NS	1129.7	NS	NS
CV (%)			13.2	11.7	12.5	11.5	6.8	6.9
DKC(9164)IP9002			7983	8335	12902	13163	70.5	74.5
PMH 1 (C)			9176	8483	14668	14234	72.1	70.6
Seed tech 2324(C)			6924	6644	11352	9490	69.3	70.3
Bio -9681(C)			8675	7837	13879	12209	71.0	70.8
CD at 5%			509.4	715.2	812.7	1102.7	NS	NS
CV (%)			9.2	10.8	9.1	10.7	5.6	8.2

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A-13

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Cobs ('000/ha)		Plant height (cm)		Days 50% tasseling	
			Banswara	Chhindwara	Banswara	Chhindwara	Banswara	Chhindwara
66,000	State Recommendation	DKC(9164)IP9002	53.8		183.0		49.0	
		PMH 1 (C)	55.5		211.7		50.0	
		Seed tech 2324(C)	49.4		163.3		48.6	
		Bio -9681(C)	56.9		210.0		48.6	
	200:65:80	DKC(9164)IP9002	55.4	60.4	225.0	198.0	49.0	57.3
		PMH 1 (C)	59.2	61.8	215.0	209.0	49.7	56.3
		Seed tech 2324(C)	53.7	58.3	200.0	192.0	48.6	56.3
		Bio -9681(C)	57.4	63.9	266.7	208.3	48.0	59.3
	250:80:100	DKC(9164)IP9002	56.9	67.4	190.0	198.3	49.0	56.0
		PMH 1 (C)	63.4	64.6	221.7	216.7	50.0	56.0
		Seed tech 2324(C)	61.3	67.4	216.7	195.0	48.6	56.3
		Bio -9681(C)	62.6	66.0	245.0	219.3	48.6	56.7
83,000	State Recommendation	DKC(9164)IP9002	63.8		211.7		49.0	
		PMH 1 (C)	72.6		215.0		50.0	
		Seed tech 2324(C)	61.8		225.0		48.6	
		Bio -9681(C)	72.7		240.0		49.0	
	200:65:80	DKC(9164)IP9002	65.0	77.1	195.0	197.3	48.7	57.3
		PMH 1 (C)	74.3	79.8	248.3	201.0	51.3	57.3
		Seed tech 2324(C)	63.7	75.0	213.3	190.7	49.6	57.3
		Bio -9681(C)	67.1	76.4	245.0	197.3	48.9	59.7
	250:80:100	DKC(9164)IP9002	74.4	82.6	195.0	192.7	49.0	58.3
		PMH 1 (C)	73.8	82.6	242.0	202.7	50.0	56.7
		Seed tech 2324(C)	65.6	81.2	210.3	191.7	48.6	56.7
		Bio -9681(C)	73.1	77.8	228.3	211.3	48.6	57.3
Mean of location			63.1	71.4	217.4	201.3	49.1	57.2
66,000			57.1	63.7	212.3	204.6	49.0	56.8
83,000			69.0	79.1	222.4	198.1	49.3	57.6
CD at 5%			4.8	2.2	2.5	NS	NS	0.7
CV (%)			7.5	2.5	1.2	3.2	0.8	1.0
State Recommendation			60.8		207.5		49.1	
200:65:80			62.0	69.1	226.0	199.2	49.2	57.6
250:80:100			66.4	73.7	218.6	203.5	49.0	56.8
CD at 5%			NS	3.7	8.6	NS	NS	0.3
CV (%)			12.2	6.4	5.9	3.1	1.4	0.7
DKC(9164)IP9002			61.6	71.9	199.9	196.6	48.9	57.3
PMH 1 (C)			66.5	72.2	225.6	207.3	50.2	56.6
Seed tech 2324(C)			59.3	70.5	204.8	192.3	48.7	56.7
Bio -9681(C)			65.0	71.0	239.2	209.1	48.6	58.3
CD at 5%			3.1	NS	5.2	4.8	0.5	0.5
CV (%)			7.3	4.4	3.5	2.8	1.5	1.1

Cont...

A-14

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Days 50% Silking		Net returns (Rs./ha)		B:C ratio	
			Banswara	Chhindwara	Banswara	Chhindwara	Banswara	Chhindwara
66,000	State Recommendation	DKC(9164)IP9002	50.6		72349		2.19	
		PMH 1 (C)	53.0		81214		2.46	
		Seed tech 2324(C)	52.7		48710		1.47	
		Bio -9681(C)	51.7		75797		2.29	
	200:65:80	DKC(9164)IP9002	50.6	58.0	73897	96905	2.15	3.71
		PMH 1 (C)	52.3	57.3	90149	103747	2.62	3.97
		Seed tech 2324(C)	52.7	57.3	55675	71821	1.62	2.75
		Bio -9681(C)	51.0	58.3	80300	86959	2.33	3.33
	250:80:100	DKC(9164)IP9002	51.0	56.7	75652	110606	2.09	3.83
		PMH 1 (C)	53.0	56.7	97321	114239	2.69	3.95
		Seed tech 2324(C)	52.7	57.0	67279	80562	1.86	2.79
		Bio -9681(C)	51.7	57.7	85501	100652	2.37	3.48
83,000	State Recommendation	DKC(9164)IP9002	50.6		78229		2.23	
		PMH 1 (C)	54.0		90049		2.57	
		Seed tech 2324(C)	52.7		60500		1.73	
		Bio -9681(C)	53.0		82662		2.36	
	200:65:80	DKC(9164)IP9002	51.2	58.3	81255	104417	2.23	3.87
		PMH 1 (C)	54.7	58.3	104894	108461	2.88	4.02
		Seed tech 2324(C)	53.7	58.3	71405	80012	1.96	2.97
		Bio -9681(C)	52.3	61.3	97999	100848	2.69	3.74
	250:80:100	DKC(9164)IP9002	50.6	58.3	87934	116859	2.31	4.04
		PMH 1 (C)	53.3	58.0	107633	114639	2.82	3.97
		Seed tech 2324(C)	52.7	57.7	75129	90394	1.97	3.13
		Bio -9681(C)	52.0	61.0	106156	109656	2.78	3.79
Mean of location			52.2	58.1	81153.7	99423.6	2.28	3.58
66,000			51.9	57.4	75320	95686	2.18	3.47
83,000			52.6	58.9	86987	103161	2.38	3.69
CD at 5%			NS	0.4	NS	NS	NS	NS
CV (%)			1.8	0.5	40.9	7.1	41.4	7.8
State Recommendation			52.3		73689		2.16	
200:65:80			52.3	58.4	81947	94146	2.31	3.54
250:80:100			52.1	57.9	87826	104701	2.36	3.62
CD at 5%			NS	NS	10238.2	10499.4	NS	NS
CV (%)			2.1	2.1	19.0	13.2	18.5	14.1
DKC(9164)IP9002			50.8	57.8	78219	107197	2.20	3.86
PMH 1 (C)			53.4	57.6	95210	110272	2.67	3.98
Seed tech 2324(C)			52.8	57.6	63116	80697	1.77	2.91
Bio -9681(C)			51.9	59.6	88069	99529	2.47	3.59
CD at 5%			0.5	1.0	7258.7	10756.1	0.2	0.4
CV (%)			1.5	2.1	13.2	12.8	13.3	13.2

Cont...

A-15

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
			Chhindwara			
66,000	State Recommendation	DKC(9164)IP9002				
		PMH 1 (C)				
		Seed tech 2324(C)				
		Bio -9681(C)				
	200:65:80	DKC(9164)IP9002	16.0	14.7	14.0	31.7
		PMH 1 (C)	16.2	14.8	14.7	32.7
		Seed tech 2324(C)	14.5	14.2	14.0	29.0
		Bio -9681(C)	15.1	14.6	14.0	30.7
	250:80:100	DKC(9164)IP9002	16.7	15.7	16.0	36.3
		PMH 1 (C)	18.0	16.0	17.3	37.0
		Seed tech 2324(C)	16.3	15.0	15.7	32.3
		Bio -9681(C)	16.4	15.3	16.0	33.3
83,000	State Recommendation	DKC(9164)IP9002				
		PMH 1 (C)				
		Seed tech 2324(C)				
		Bio -9681(C)				
	200:65:80	DKC(9164)IP9002	15.4	15.1	13.3	33.3
		PMH 1 (C)	15.6	15.4	14.0	33.7
		Seed tech 2324(C)	14.2	14.6	13.3	29.0
		Bio -9681(C)	15.0	15.0	13.3	31.0
	250:80:100	DKC(9164)IP9002	18.3	16.0	16.7	35.0
		PMH 1 (C)	17.2	15.7	16.0	35.0
		Seed tech 2324(C)	14.2	15.0	13.3	31.0
		Bio -9681(C)	15.9	15.5	15.3	34.0
Mean of location			15.9	15.2	14.8	32.8
66,000			16.2	15.0	15.2	32.9
83,000			15.7	15.3	14.4	32.8
CD at 5%			NS	NS	0.8	NS
CV (%)			4.7	10.1	4.2	11.9
State Recommendation						
200:65:80			15.2	14.8	13.8	31.4
250:80:100			16.6	15.5	15.8	34.3
CD at 5%			1.1	0.6	0.9	NS
CV (%)			8.4	4.8	7.5	11.4
DKC(9164)IP9002			16.6	15.4	15.0	34.1
PMH 1 (C)			16.8	15.5	15.5	34.6
Seed tech 2324(C)			14.8	14.7	14.1	30.3
Bio -9681(C)			15.6	15.1	14.7	32.3
CD at 5%			1.5	NS	0.7	NS
CV (%)			11.0	5.0	5.5	14.0

Table 3: Performance of pre release medium maturity genotypes in *Kharif* under varying planting density and nutrients levels in North East Plain Zone (NEPZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Grain yield (kg/ha)		Stover yield (kg/ha)		Plants ('000/ha)	
			Bahraich	Kalyani	Bahraich	Kalyani	Bahraich	Kalyani
66,000	State Recommendation (120:60:60 Kalyani)	VAMH 12014		9338		11193		65.3
		JKMH 4103		8098		9981		65.7
		JH 13347		7770		9732		61.7
		PMH4-C		8269		10195		61.7
		Bio 9637(C)		8762		10710		64.3
	200:65:80	VAMH 12014	5768	10199	6795	11957	82.5	64.7
		JKMH 4103	5067	9293	6130	11227	82.6	64.3
		JH 13347	4773	9080	5863	11055	82.4	64.3
		PMH4-C	4492	9177	5573	11138	82.2	65.3
		Bio 9637(C)	4093	9598	5175	11560	82.2	64.3
	250:80:100	VAMH 12014	6490	11263	7492	13218	82.6	65.3
		JKMH 4103	5387	9278	6452	11206	82.7	63.7
		JH 13347	5274	8875	6376	10828	82.5	63.7
		PMH4-C	4890	8708	5913	10713	82.4	65.7
		Bio 9637(C)	4375	9971	5445	11972	82.3	64.0
83,000	State Recommendation	VAMH 12014		12051		13980		82.7
		JKMH 4103		10249		12210		80.3
		JH 13347		10752		12862		81.3
		PMH4-C		11346		13381		80.3
		Bio 9637(C)		11486		13471		80.7
	200:65:80	VAMH 12014	5367	12436	6448	14428	110.4	82.7
		JKMH 4103	4863	12139	5583	14127	110.5	82.9
		JH 13347	4672	9957	5750	12109	77.4	81.3
		PMH4-C	4273	11585	5348	13645	110.5	81.3
		Bio 9637(C)	3877	12200	4933	14219	110.2	81.0
	250:80:100	VAMH 12014	6085	13504	7093	15466	110.3	83.0
		JKMH 4103	5200	12576	6275	14530	110.6	81.7
		JH 13347	5020	12557	6100	14525	110.5	80.0
		PMH4-C	4492	12497	5543	14397	110.6	81.7
		Bio 9637(C)	4187	12619	5248	14557	110.4	82.7
Mean of location			4932.2	10521	5976.9	12486	94.8	72.9
66,000			5061	9179	6121	11112	82.5	64.3
83,000			4803	11864	5832	13860	107.1	81.6
CD at 5%			15.5	958.3	144.2	1002.3	14.20	0.8
CV (%)			0.28	10.0	2.17	8.8	13.48	1.2
State Recommendation				9812		11771		72.4
200:65:80			4724	10567	5760	12546	93.1	73.2
250:80:100			5140	11185	6194	13141	96.5	73.1
CD at 5%			5.1	NS	85.2	NS	NS	NS
CV (%)			0.14	20.5	1.99	17.3	13.46	2.1
VAMH 12014			5928	11465	6957	13374	96.5	73.9
JKMH 4103			5129	10272	6110	12213	96.6	73.1
JH 13347			4935	9832	6022	11852	88.2	72.1
PMH4-C			4537	10264	5595	12245	96.4	72.7
Bio 9637(C)			4133	10773	5200	12748	96.3	72.8
CD at 5%			12.3	723.2	114.8	721.3	NS	0.8
CV (%)			0.30	10.3	2.31	8.6	13.49	1.6

Cont...

A-17

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Cobs ('000/ha)		Plant height (cm)		Days to 50% tasseling	
			Bahraich	Kalyani	Bahraich	Kalyani	Bahraich	Kalyani
66,000	State Recommendation	VAMH 12014		65.1		248.3		50.0
		JKMH 4103		64.2		227.3		51.0
		JH 13347		60.2		219.7		51.7
		PMH4-C		63.2		214.0		51.0
		Bio 9637(C)		61.4		221.0		50.7
	200:65:80	VAMH 12014	82.3	64.7	210.3	257.5	48.3	50.0
		JKMH 4103	82.3	63.7	212.3	230.1	49.7	51.0
		JH 13347	82.2	63.8	207.3	224.8	46.3	50.7
		PMH4-C	82.0	62.7	205.7	236.9	46.3	51.3
		Bio 9637(C)	82.1	62.3	201.0	219.7	49.0	51.0
	250:80:100	VAMH 12014	82.3	63.3	214.7	254.7	47.3	49.3
		JKMH 4103	82.3	63.7	215.3	231.7	48.3	51.3
		JH 13347	82.2	63.5	211.0	204.7	45.0	52.0
		PMH4-C	82.1	64.1	208.0	197.2	44.7	50.3
		Bio 9637(C)	82.1	61.8	205.3	205.8	47.0	52.0
83,000	State Recommendation	VAMH 12014		82.5		261.1		49.7
		JKMH 4103		80.4		229.7		51.3
		JH 13347		80.0		219.0		51.3
		PMH4-C		79.1		211.0		52.0
		Bio 9637(C)		79.7		218.9		51.0
	200:65:80	VAMH 12014	110.2	81.8	208.3	258.3	50.3	49.3
		JKMH 4103	110.3	81.0	211.0	244.0	48.3	50.7
		JH 13347	110.2	80.1	206.3	224.3	48.0	51.3
		PMH4-C	110.2	79.7	203.0	215.3	48.3	51.7
		Bio 9637(C)	110.1	80.7	199.0	220.1	50.7	50.7
	250:80:100	VAMH 12014	110.1	81.8	213.7	279.7	50.7	49.3
		JKMH 4103	110.3	81.4	214.7	260.8	47.0	51.0
		JH 13347	110.2	79.5	209.0	266.7	48.7	51.7
		PMH4-C	110.2	80.0	206.3	243.0	47.0	50.7
		Bio 9637(C)	110.1	81.5	203.0	226.6	48.7	50.3
Mean of location			96.2	71.9	208.3	232.4	48.0	50.8
66,000			82.2	63.2	209.1	226.2	47.2	50.9
83,000			110.2	80.6	207.4	238.6	48.8	50.8
CD at 5%			0.13	1.0	1.00	NS	0.80	NS
CV (%)			0.12	1.6	0.43	12.0	1.50	0.7
State Recommendation				71.6		227.0		51.0
200:65:80			96.2	72.0	206.4	233.1	48.5	50.8
250:80:100			96.2	72.1	210.1	237.1	47.4	50.8
CD at 5%			0.03	NS	0.29	NS	0.80	NS
CV (%)			0.04	2.2	0.20	11.8	2.31	1.7
VAMH 12014			96.2	73.2	211.8	259.9	49.2	49.6
JKMH 4103			96.3	72.4	213.3	237.3	48.3	51.1
JH 13347			96.2	71.2	208.4	226.5	47.0	51.4
PMH4-C			96.1	71.5	205.8	219.6	46.6	51.2
Bio 9637(C)			96.1	71.2	202.1	218.7	48.8	50.9
CD at 5%			0.09	1.2	0.45	8.4	0.67	0.7
CV (%)			0.11	2.5	0.26	5.4	1.69	2.2

Cont...

A-18

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Day to 50% silking		100 Seed weight (g)		Net returns (Rs./ha)		B:C Ratio	
			Bahraich	Kalyani	Bahraich	Kalyani	Bahraich	Kalyani	Bahraich	Kalyani
66,000	State Recommendation	VAMH 12014		52.0		31.3		93779		2.87
		JKMH 4103		53.7		28.7		75232		2.50
		JH 13347		54.0		32.3		70475		2.41
		PMH4-C		54.0		31.3		77891		2.55
		Bio 9637(C)		54.0		30.3		85327		2.70
	200:65:80	VAMH 12014	51.3	52.3	25.9	35.0	65551	104505	3.97	3.01
		JKMH 4103	52.3	54.0	23.7	31.3	55063	91264	3.50	2.75
		JH 13347	49.3	53.7	21.7	31.0	50689	88149	3.23	2.69
		PMH4-C	49.3	53.3	21.9	35.0	46456	89581	3.11	2.72
		Bio 9637(C)	52.0	54.0	21.7	31.7	40481	95893	2.84	2.84
	250:80:100	VAMH 12014	50.3	52.0	26.8	34.0	74350	118851	4.09	3.20
		JKMH 4103	51.3	54.3	25.7	30.7	57864	89026	3.40	2.64
		JH 13347	48.0	54.7	22.7	32.0	56209	83031	3.34	2.53
		PMH4-C	47.7	53.0	23.9	33.0	50372	80628	3.09	2.49
		Bio 9637(C)	50.0	54.7	23.8	31.7	42544	99564	2.77	2.84
83,000	State Recommendation	VAMH 12014		52.3		39.7		134624		3.69
		JKMH 4103		54.0		32.0		107656		3.15
		JH 13347		54.3		26.7		115505		3.31
		PMH4-C		54.7		34.7		124258		3.48
		Bio 9637(C)		53.7		33.3		126260		3.52
	200:65:80	VAMH 12014	53.3	51.3	24.8	39.3	59581	139194	3.70	3.66
		JKMH 4103	51.3	53.7	22.4	36.3	51998	134064	3.36	3.57
		JH 13347	51.0	54.3	24.8	33.3	49152	101664	3.23	2.95
		PMH4-C	51.3	54.3	20.8	34.7	43174	125901	2.96	3.41
		Bio 9637(C)	53.7	53.0	20.7	30.3	37206	135036	2.69	3.59
	250:80:100	VAMH 12014	53.7	52.0	25.6	48.3	68283	153154	3.84	3.82
		JKMH 4103	50.0	53.7	23.7	41.0	55074	138554	3.29	3.56
		JH 13347	51.7	54.0	25.6	38.3	52379	138296	3.18	3.55
		PMH4-C	50.0	53.0	23.7	40.3	44426	137250	2.85	3.53
		Bio 9637(C)	51.7	53.0	22.2	33.3	39861	139161	2.65	3.57
Mean of location			51.0	53.5	23.6	34.0	52035.6	109792	3.25	3.10
66,000			50.2	53.6	23.8	32.0	53958	89546	3.33	2.72
83,000			51.8	53.4	23.4	36.1	50113	130038	3.17	3.49
CD at 5%			0.90	NS	0.10	3.8	167.2	14083.5	0.02	0.3
CV (%)			1.58	0.7	0.39	12.2	0.29	14.1	0.61	9.0
State Recommendation				53.7		32.0		101101		3.02
200:65:80			51.5	53.4	22.8	33.8	49935	110525	3.26	3.12
250:80:100			50.4	53.4	24.4	36.3	54136	117751	3.25	3.17
CD at 5%			0.77	NS	0.09	NS	75.9	NS	NS	NS
CV (%)			2.12	1.9	0.51	24.0	0.20	29.4	0.72	19.9
VAMH 12014			52.2	52.0	25.8	37.9	66941	124018	3.90	3.37
JKMH 4103			51.3	53.9	23.9	33.3	55000	105966	3.39	3.03
JH 13347			50.0	54.2	23.7	32.3	52107	99520	3.24	2.91
PMH4-C			49.6	53.7	22.6	34.8	46107	105918	3.00	3.03
Bio 9637(C)			51.8	53.7	22.1	31.8	40023	113540	2.74	3.18
CD at 5%			0.69	0.8	0.11	3.5	200.7	10844.8	0.02	0.2
CV (%)			1.63	2.1	0.56	15.2	0.46	14.7	0.81	10.1

Table 4: Performance of pre release early maturity genotypes in *Kharif* under varying planting density and nutrient levels in Northern Hill Zone (NHZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Grain yield (kg/ha)		Stover yield (kg/ha)		Plants ('000/ha)	
			Almora	Imphal	Almora	Imphal	Almora	Imphal
83,000	State Recommendation (150:60:60 Almora, 120:60:80 Imphal)	DMRH 1305	9122	6294	9159	12815	83.3	69.4
		FH 3754	8505	4311	9392	9535	83.3	69.8
		PMH-5 (C)	2208	2790	6277	3788	83.3	65.3
		Prakash (C)	4695	2949	7085	7050	83.3	64.6
	200:65:80	DMRH 1305	9474	4745	10915	11388	83.3	64.6
		FH 3754	8945	4065	11490	8351	83.3	68.8
		PMH-5 (C)	3176	2899	7339	4368	83.3	63.5
		Prakash (C)	5479	3339	7681	4193	83.3	62.5
	250:80:100	DMRH 1305	10977	6483	14125	13395	83.3	70.1
		FH 3754	11411	3898	15652	8980	83.3	64.2
		PMH-5 (C)	2943	3069	6839	3469	83.3	71.2
		Prakash (C)	6969	2902	9984	4678	83.3	68.4
1,00,000	State Recommendation	DMRH 1305	10484	5982	13085	12745	100.0	91.7
		FH 3754	9897	4623	12044	9389	100.0	80.9
		PMH-5 (C)	2376	2961	6109	4365	100.0	79.9
		Prakash (C)	4784	2507	7285	4491	100.0	79.9
	200:65:80	DMRH 1305	10631	5185	13610	10373	100.0	80.6
		FH 3754	11260	3865	15556	9274	100.0	77.8
		PMH-5 (C)	2536	2844	6722	3928	100.0	81.3
		Prakash (C)	5564	2909	8986	4645	100.0	84.4
	250:80:100	DMRH 1305	11979	5302	16140	9609	100.0	77.4
		FH 3754	11587	4710	15772	12076	100.0	79.9
		PMH-5 (C)	2895	3480	6970	4146	100.0	82.3
		Prakash (C)	8360	3148	14782	4202	100.0	81.3
Mean of location			7344.0	3969.2	10541.7	7552.2	91.7	74.1
83,000			6992	3979	9662	7668	83.3	66.9
1,00,000			7696	3960	11422	7437	100.0	81.4
CD at 5%			461.0	NS	672.6	NS	0.0	3.8
CV (%)			6.2	5.4	6.3	9.8	0.0	5.1
State Recommendation			6509	4052	8804	8022	91.7	75.2
200:65:80			7133	3732	10287	7065	91.7	72.9
250:80:100			8390	4124	12533	7569	91.7	74.3
CD at 5%			599.0	223.2	887.3	526.3	NS	NS
CV (%)			12.3	8.4	12.6	10.5	0.0	10.2
DMRH 1305			10445	5665	12839	11721	91.7	75.6
FH 3754			10268	4245	13318	9601	91.7	73.6
PMH-5 (C)			2689	3007	6709	4011	91.7	73.9
Prakash (C)			5975	2959	9300	4876	91.7	73.5
CD at 5%			598.2	195.2	1034.1	444.6	0.0	NS
CV (%)			12.0	7.3	14.5	8.7	0.0	7.6

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A-20

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Cobs ('000/ha)		Plant height (cm)		Days 50% tasseling		Days 50% silking	
			Almora	Imphal	Almora	Imphal	Almora	Imphal	Almora	Imphal
83,000	State Recommendation	DMRH 1305	83.3	67.5	146.7	170.4	59.0	52.0	61.7	55.7
		FH 3754	102.4	68.2	171.5	187.8	58.7	49.7	60.0	53.3
		PMH-5 (C)	83.3	63.5	190.3	224.8	58.7	48.7	61.0	52.7
		Prakash (C)	83.3	62.9	163.5	196.6	58.7	48.7	61.0	54.3
	200:65:80	DMRH 1305	83.3	62.8	153.5	160.5	59.3	52.3	61.7	56.7
		FH 3754	104.7	67.2	183.5	186.1	58.3	49.7	60.7	54.0
		PMH-5 (C)	83.3	61.8	204.5	190.2	58.0	49.7	60.7	53.3
		Prakash (C)	83.3	60.9	189.0	170.8	57.3	50.0	59.7	54.0
	250:80:100	DMRH 1305	83.3	68.5	158.7	161.9	60.3	50.3	62.7	54.7
		FH 3754	120.7	62.5	191.5	168.0	56.0	49.3	56.7	54.0
		PMH-5 (C)	83.3	69.2	201.4	203.3	58.0	49.7	58.7	54.0
		Prakash (C)	83.3	66.5	193.3	185.6	59.0	50.0	60.7	54.0
1,00,000	State Recommendation	DMRH 1305	100.0	89.2	149.3	176.1	60.7	52.3	63.7	57.0
		FH 3754	117.9	79.0	174.3	179.5	58.7	50.7	61.0	54.7
		PMH-5 (C)	100.0	77.7	192.1	202.7	58.7	50.7	60.7	56.0
		Prakash (C)	100.0	77.7	186.7	149.5	58.7	53.0	60.7	57.7
	200:65:80	DMRH 1305	100.0	78.6	154.4	157.2	59.7	53.0	61.7	58.0
		FH 3754	123.9	75.7	179.1	190.3	60.0	49.0	62.3	53.7
		PMH-5 (C)	100.0	79.0	199.5	165.3	58.3	50.0	60.7	54.3
		Prakash (C)	100.0	81.8	190.7	167.8	58.7	50.0	60.7	54.0
	250:80:100	DMRH 1305	100.0	75.5	163.0	184.0	59.7	52.7	62.0	57.0
		FH 3754	127.6	77.3	187.3	194.3	57.0	49.7	59.3	54.0
		PMH-5 (C)	100.0	80.0	204.3	183.6	58.3	49.7	60.7	54.3
		Prakash (C)	100.0	79.3	196.7	156.8	58.0	51.0	60.7	55.7
Mean of location			97.8	72.2	180.2	179.7	58.7	50.5	60.8	54.9
83,000			89.8	65.1	179.0	183.8	58.4	50.0	60.4	54.2
1,00,000			105.8	79.2	181.5	175.6	58.9	51.0	61.2	55.5
CD at 5%			4.4	4.0	NS	4.3	NS	NS	NS	0.9
CV (%)			4.5	5.4	1.5	2.4	1.3	2.4	4.4	1.7
State Recommendation			96.3	73.2	171.8	185.9	59.0	50.7	61.2	55.2
200:65:80			97.3	71.0	181.8	173.5	58.7	50.5	61.0	54.8
250:80:100			99.8	72.3	187.0	179.7	58.3	50.3	60.2	54.7
CD at 5%			NS	NS	7.1	5.8	NS	NS	NS	NS
CV (%)			4.5	9.8	5.9	4.8	4.0	4.2	4.5	2.7
DMRH 1305			91.7	73.7	154.3	168.3	59.8	52.1	62.2	56.5
FH 3754			116.2	71.6	181.2	184.3	58.1	49.7	60.0	53.9
PMH-5 (C)			91.7	71.9	198.7	195.0	58.3	49.7	60.4	54.1
Prakash (C)			91.7	71.5	186.7	171.2	58.4	50.4	60.6	54.9
CD at 5%			2.8	NS	4.9	3.4	1.1	0.8	1.4	0.9
CV (%)			4.2	7.6	4.0	2.8	2.7	2.4	3.3	2.5

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A-21

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	100-seed weight (g)		Net returns (Rs./ha)		B:C ratio		Turcicum Leaf Blight (0-9 scale score)
			Almora	Imphal	Almora	Imphal	Almora	Imphal	Almora
83,000	State Recommendation	DMRH 1305	28.8	30.6	66850	77943	1.24	2.00	1.7
		FH 3754	24.0	26.1	56805	42758	1.02	1.10	3.3
		PMH-5 (C)	11.1	14.4	-24759	9522	-0.46	0.25	8.0
		Prakash (C)	17.7	21.3	8189	18119	0.15	0.47	7.3
	200:65:80	DMRH 1305	29.3	29.7	70392	47404	1.28	1.07	1.3
		FH 3754	24.4	25.3	61301	31592	1.07	0.72	2.7
		PMH-5 (C)	12.3	12.2	-13050	7031	-0.24	0.16	7.7
		Prakash (C)	18.8	20.7	17469	12826	0.32	0.29	7.0
	250:80:100	DMRH 1305	30.5	30.6	88369	73354	1.55	1.55	1.0
		FH 3754	26.0	25.9	90483	27166	1.49	0.57	2.3
		PMH-5 (C)	13.0	13.7	-18090	4434	-0.32	0.09	7.7
		Prakash (C)	19.2	20.1	35260	4198	0.62	0.09	6.3
1,00,000	State Recommendation	DMRH 1305	28.5	28.2	81426	72230	1.42	1.81	1.7
		FH 3754	24.3	25.0	71899	45958	1.21	1.15	3.3
		PMH-5 (C)	12.4	13.1	-26003	12177	-0.45	0.31	8.0
		Prakash (C)	17.7	18.5	5898	5573	0.10	0.14	7.0
	200:65:80	DMRH 1305	28.8	29.2	82262	50699	1.40	1.12	1.3
		FH 3754	25.2	26.5	88260	29510	1.45	0.65	2.7
		PMH-5 (C)	12.5	12.6	-24997	4387	-0.43	0.10	7.7
		Prakash (C)	18.0	18.1	15118	6487	0.26	0.14	6.7
	250:80:100	DMRH 1305	30.9	28.1	98182	47596	1.62	0.98	1.0
		FH 3754	25.5	27.2	90295	44108	1.43	0.91	2.3
		PMH-5 (C)	12.6	13.8	-22191	10773	-0.37	0.22	7.7
		Prakash (C)	19.3	18.7	50222	5795	0.83	0.12	6.3
Mean of location			21.3	22.1	39566.3	28818.3	0.67	0.67	4.7
83,000			21.3	22.5	36602	29696	0.64	0.70	4.7
1,00,000			21.3	21.6	42531	27941	0.71	0.64	4.6
CD at 5%			NS	NS	5749.2	NS	NS	NS	NS
CV (%)			2.9	5.2	14.3	15.7	12.1	16.2	9.1
State Recommendation			20.6	22.2	30038	35535	0.53	0.90	5.0
200:65:80			21.2	21.8	37094	23742	0.64	0.53	4.6
250:80:100			22.1	22.2	51566	27178	0.86	0.57	4.3
CD at 5%			0.5	NS	7904.3	3962.7	0.1	0.09	NS
CV (%)			3.6	6.9	30.0	20.7	30.1	19.5	12.5
DMRH 1305			29.5	29.4	81247	61538	1.42	1.42	1.3
FH 3754			24.9	26.0	76507	36848	1.28	0.85	2.8
PMH-5 (C)			12.3	13.3	-21515	8054	-0.38	0.19	7.8
Prakash (C)			18.5	19.5	22026	8833	0.38	0.21	6.8
CD at 5%			0.6	1.1	7825.3	3385.1	0.1	0.08	NS
CV (%)			3.8	7.2	29.3	17.4	28.6	17.3	10.8

Table 5: Performance of pre release early maturity genotypes in *Kharif* under varying planting density and nutrients levels in Central West Zone (CWZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Grain yield (kg/ha)		Stover yield (kg/ha)		Cob yield (kg/ha)	Plants ('000/ha)	
			Jhabua	Udaipur	Jhabua	Udaipur	Jhabua	Jhabua	Udaipur
66,000	State Recommendation (120:60:40 Jha)	JKMH 4222	5767		4208		7188	65.6	
		PMH5 (C)	4144		3899		4834	63.3	
		Prakash (C)	4091		3554		4956	58.5	
	200:65:80	JKMH 4222	7507	6520	5880	10421	7867	63.0	64.3
		PMH5 (C)	4977	4530	5666	7047	5189	63.0	64.2
		Prakash (C)	3892	3333	4910	5025	5356	59.6	64.0
	250:80:100	JKMH 4222	6086	6623	5045	10716	6924	62.2	64.2
		PMH5 (C)	3813	4620	4412	7333	4813	64.4	64.2
		Prakash (C)	4335	3393	3814	5261	4649	61.1	64.2
83,000	State Recommendation	JKMH 4222	6573		5157		6073	70.7	
		PMH5 (C)	4286		5190		4472	73.0	
		Prakash (C)	5514		5208		6866	69.3	
	200:65:80	JKMH 4222	7631	7343	5308	11715	8776	70.4	82.6
		PMH5 (C)	4687	4913	5155	7547	5984	72.6	81.3
		Prakash (C)	3900	3680	5537	5520	4934	73.0	80.3
	250:80:100	JKMH 4222	7512	7620	6364	12310	7230	74.8	81.2
		PMH5 (C)	4913	5113	5822	8144	6768	70.7	81.2
		Prakash (C)	4103	3930	5681	6097	4746	68.9	81.2
Mean of location			5207.3	5135.0	5044.9	8094.6	5979.2	66.9	72.8
66,000			4957	4837	4599	7634	5753	62.3	64.2
83,000			5458	5433	5491	8555	6205	71.5	81.3
CD at 5%			127.5	593.6	467.3	NS	132.4	NS	5.1
CV (%)			2.1	8.1	7.9	8.0	1.9	12.0	4.9
State Recommendation			5062		4536		5732	66.7	
200:65:80			5432	5053	5409	7879	6351	66.9	72.8
250:80:100			5127	5217	5190	8310	5855	67.0	72.7
CD at 5%			NS	NS	660.9	NS	343.7	NS	NS
CV (%)			17.5	7.8	17.0	8.1	7.5	5.7	1.9
JKMH 4222			6846	7027	5327	11290	7343	67.8	73.1
PMH5 (C)			4470	4794	5024	7518	5343	67.8	72.7
Prakash (C)			4306	3584	4784	5476	5251	65.1	72.4
CD at 5%			331.5	96.6	NS	131.9	469.9	NS	NS
CV (%)			9.3	2.2	17.9	1.9	11.4	5.8	1.9

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A-23

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Cobs ('000/ha)		Plant height (cm)		Ear height (cm)	Days to 50% tasseling	
			Jhabua	Udaipur	Jhabua	Udaipur	Udaipur	Jhabua	Udaipur
66,000	State Recommendation	JKMH 4222	60.0		183.9			50.7	
		PMH5 (C)	56.9		142.3			48.3	
		Prakash (C)	58.9		137.7			48.3	
	200:65:80	JKMH 4222	68.5	61.3	175.5	235.1	80.2	49.7	43.0
		PMH5 (C)	59.8	63.1	146.7	190.2	55.3	48.0	46.0
		Prakash (C)	53.0	71.8	143.0	170.5	67.3	47.0	43.0
	250:80:100	JKMH 4222	61.6	61.2	185.7	240.2	82.2	49.3	42.0
		PMH5 (C)	61.9	63.2	149.9	193.2	57.2	49.0	45.0
		Prakash (C)	55.2	71.5	142.6	172.7	68.2	47.7	43.0
83,000	State Recommendation	JKMH 4222	66.1		191.8			50.7	
		PMH5 (C)	65.1		141.9			48.3	
		Prakash (C)	67.0		141.9			48.3	
	200:65:80	JKMH 4222	72.5	78.6	180.7	242.2	83.7	50.3	42.7
		PMH5 (C)	72.0	79.7	151.5	197.3	56.9	49.3	45.7
		Prakash (C)	67.7	90.1	147.5	177.2	70.2	47.3	42.3
	250:80:100	JKMH 4222	69.4	77.4	181.9	247.3	86.2	49.3	42.0
		PMH5 (C)	67.0	79.9	148.5	202.4	57.8	48.7	45.0
		Prakash (C)	68.5	91.0	146.7	174.5	69.2	48.7	43.0
Mean of location			64.0	74.1	157.7	203.6	69.5	48.8	43.6
66,000			59.5	65.4	156.3	200.3	68.4	48.7	43.7
83,000			68.4	82.8	159.1	206.8	70.7	49.0	43.4
CD at 5%			4.1	5.6	NS	NS	NS	NS	NS
CV (%)			5.5	5.3	3.1	7.3	6.6	3.0	4.0
State Recommendation			62.3		156.6			49.1	
200:65:80			65.6	74.1	157.5	202.1	68.9	48.6	43.8
250:80:100			63.9	74.0	159.2	205.0	70.1	48.8	43.3
CD at 5%			NS	NS	2.0	NS	NS	NS	NS
CV (%)			7.0	1.7	1.7	4.5	5.0	1.8	2.8
JKMH 4222			66.4	69.6	183.2	241.2	83.1	50.0	42.4
PMH5 (C)			63.8	71.5	146.8	195.8	56.8	48.6	45.4
Prakash (C)			61.7	81.1	143.2	173.7	68.7	47.9	42.8
CD at 5%			2.1	1.3	3.0	4.7	1.5	0.7	1.0
CV (%)			4.7	2.0	2.8	2.7	2.5	2.0	2.7

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A-24

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Days to 50% silking		100-seed weight (g)	Net returns (Rs./ha)		B:C ratio	
			Jhabua	Udaipur	Jhabua	Jhabua	Udaipur	Jhabua	Udaipur
66,000	State Recommendation	<td>52.3</td> <td></td> <td>28.0</td> <td>76209</td> <td></td> <td>2.98</td> <td></td>	52.3		28.0	76209		2.98	
		PMH5 (C)	50.7		26.7	51944		2.03	
		Prakash (C)	50.7		25.7	49482		1.94	
	200:65:80	JKMH 4222	52.0	47.3	31.7	107916	66725	4.06	2.78
		PMH5 (C)	51.0	51.3	29.0	71422	38797	2.69	1.62
		Prakash (C)	49.3	47.7	26.7	52456	22010	1.97	0.92
	250:80:100	JKMH 4222	51.3	46.7	29.7	82117	66951	2.90	2.64
		PMH5 (C)	51.7	50.3	28.7	47135	38851	1.66	1.53
		Prakash (C)	49.7	47.3	25.3	51446	21644	1.82	0.85
83,000	State Recommendation	JKMH 4222	53.0		32.0	92239		3.61	
		PMH5 (C)	51.3		25.3	60381		2.36	
		Prakash (C)	52.7		28.0	77676		3.04	
	200:65:80	JKMH 4222	52.0	47.0	30.3	106798	77908	4.02	3.21
		PMH5 (C)	52.3	51.3	28.3	64812	43746	2.44	1.80
		Prakash (C)	49.3	47.0	29.7	55704	26514	2.10	1.09
	250:80:100	JKMH 4222	51.3	46.3	27.3	108683	80573	3.84	3.14
		PMH5 (C)	50.7	50.3	27.7	69576	45493	2.46	1.77
		Prakash (C)	51.3	47.3	25.7	57538	28837	2.03	1.12
Mean of location			51.3	48.3	28.1	71307.5	46504.0	2.66	1.87
66,000			51.0	48.4	27.9	65570	42496	2.45	1.72
83,000			51.6	48.2	28.3	77045	50512	2.88	2.02
CD at 5%			NS	NS	NS	790.9	NS	0.04	NS
CV (%)			1.5	4.2	11.7	0.9	12.4	1.44	12.7
State Recommendation			51.8		27.6	67989		2.66	
200:65:80			51.0	48.6	29.3	76518	45950	2.88	1.90
250:80:100			51.0	48.1	27.4	69416	47058	2.45	1.84
CD at 5%			0.7	NS	0.8	NS	NS	NS	NS
CV (%)			1.7	2.9	3.9	21.8	12.0	21.83	11.9
JKMH 4222			52.0	46.8	29.8	95660	73039	3.57	2.94
PMH5 (C)			51.3	50.8	27.6	60878	41722	2.27	1.68
Prakash (C)			50.5	47.3	26.8	57384	24751	2.15	1.00
CD at 5%			1.1	1.1	1.4	6105.4	1300.3	0.2	0.05
CV (%)			3.1	2.6	7.4	12.4	3.2	12.5	3.1

Table 6: Performance of pre release QPM genotypes in *Kharif* under varying planting density and nutrients levels in Peninsular Zone (PZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Grain yield (kg/ha)		Stover yield (kg/ha)		Plants ('000/ha)	
			Coimbatore	Dharwad	Coimbatore	Dharwad	Coimbatore	Dharwad
83,000	State recommendation (250:75:75 Coimbatore (150:65:65 Dharwad))	FQH106	6212	5642	7376	6024	77.5	79.3
		Vivek QPM 9 (C)	6327	5942	7603	7076	78.1	79.8
		HQPM-1 (C)	6718	6968	8198	7963	76.8	81.4
		HQPM-4 (C)	6957	7390	10347	8839	78.5	82.7
		HQPM-5 (C)	7134	7160	8852	8620	76.8	79.6
		HQPM-7 (C)	6537	7829	9653	9436	78.5	81.4
	200:65:80	FQH106	5908	5628	6587	7078	78.5	79.8
		Vivek QPM 9 (C)	6017	5786	6789	7227	79.5	78.5
		HQPM-1 (C)	6389	6623	7321	8728	77.4	79.4
		HQPM-4 (C)	6615	7303	9239	9388	80.6	82.0
		HQPM-5 (C)	6784	7294	7905	8803	78.8	81.6
		HQPM-7 (C)	6217	7542	8621	8848	78.1	82.4
	250:80:100	FQH106	6231	5279	7438	6457	78.5	81.0
		Vivek QPM 9 (C)	6348	6194	7664	7852	77.8	80.5
		HQPM-1 (C)	6739	6692	8266	8940	78.5	79.8
		HQPM-4 (C)	6978	7390	10432	9160	77.1	81.3
		HQPM-5 (C)	7156	7380	8923	9140	79.2	81.2
		HQPM-7 (C)	6558	7421	9731	9132	80.2	81.3
1,00,000	State recommendation	FQH106	6791	5689	8189	7699	94.4	97.2
		Vivek QPM 9 (C)	6915	6056	8438	6824	94.8	95.3
		HQPM-1 (C)	7342	6963	9098	8088	94.8	94.2
		HQPM-4 (C)	7604	7168	11485	7960	93.8	98.2
		HQPM-5 (C)	7798	7201	9826	7771	92.7	97.0
		HQPM-7 (C)	7145	6994	10715	9320	95.5	92.1
	200:65:80	FQH106	6457	5638	7312	6912	92.7	97.3
		Vivek QPM 9 (C)	6576	6052	7536	8213	93.4	94.4
		HQPM-1 (C)	6983	5951	8126	7308	94.1	91.4
		HQPM-4 (C)	7231	6052	10255	7056	93.4	96.6
		HQPM-5 (C)	7415	6803	8774	8773	94.8	94.7
		HQPM-7 (C)	6795	7220	9569	8414	93.1	92.0
	250:80:100	FQH106	6811	5779	8256	6636	94.8	92.1
		Vivek QPM 9 (C)	6937	5557	8507	7505	93.7	93.9
		HQPM-1 (C)	7365	6343	9175	7769	94.1	96.4
		HQPM-4 (C)	7627	6748	11579	7943	93.0	93.9
		HQPM-5 (C)	7821	7154	9904	9015	94.8	93.9
		HQPM-7 (C)	7167	7137	10802	9077	95.1	96.5
Mean of location			6850.1	6610.3	8847.0	8083.1	86.2	87.8
83,000			6546	6748	8386	8262	78.3	80.7
1,00,000			7154	6473	9308	7905	94.1	94.8
CD at 5%			528.2	NS	121.4	333.0	2.8	5.6
CV (%)			9.3	5.3	1.7	5.0	3.9	7.7
State recommendation			6957	6750	9148	7968	86.0	88.2
200:65:80			6616	6491	8170	8062	86.2	87.5
250:80:100			6978	6589	9223	8219	86.4	87.6
CD at 5%			95.2	NS	216.3	NS	NS	NS
CV (%)			2.6	10.0	4.5	9.6	2.6	1.8
FQH106			6402	5609	7526	6801	86.1	87.8
Vivek QPM 9 (C)			6520	5931	7756	7449	86.2	87.1
HQPM-1 (C)			6923	6590	8364	8133	86.0	87.1
HQPM-4 (C)			7169	7009	10556	8391	86.1	89.1
HQPM-5 (C)			7351	7165	9031	8687	86.2	88.0
HQPM-7 (C)			6736	7357	9849	9038	86.7	87.6
CD at 5%			255.4	256.3	308.6	413.1	NS	1.4
CV (%)			5.6	5.8	4.5	7.7	3.8	2.3

Cont...

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Cobs ('000/ha)		Plant height (cm)		Days 50% tasseling	
			Coimbatore	Dharwad	Coimbatore	Dharwad	Coimbatore	Dharwad
83,000	State recommendation	FQH106	72.9	77.4	202.8	178.3	46.3	44.0
		Vivek QPM 9 (C)	73.3	79.5	207.4	209.7	47.3	44.7
		HQPM-1 (C)	72.2	77.4	214.3	224.7	48.0	46.0
		HQPM-4 (C)	73.9	81.7	227.5	227.3	49.3	48.3
		HQPM-5 (C)	71.9	78.5	216.8	215.7	49.0	50.0
		HQPM-7 (C)	75.0	81.0	224.4	234.7	48.0	51.7
	200:65:80	FQH106	73.6	79.5	198.8	190.3	45.3	45.0
		Vivek QPM 9 (C)	75.0	78.5	203.2	206.7	46.7	46.3
		HQPM-1 (C)	73.6	78.1	210.3	215.0	47.3	47.0
		HQPM-4 (C)	75.0	81.6	223.5	220.7	48.3	49.0
		HQPM-5 (C)	74.6	81.6	212.3	221.7	47.7	51.0
		HQPM-7 (C)	74.3	81.3	220.2	227.7	47.3	52.0
	250:80:100	FQH106	74.7	80.6	203.9	187.0	46.3	43.7
		Vivek QPM 9 (C)	74.0	80.2	208.1	203.7	47.7	46.3
		HQPM-1 (C)	73.6	79.5	215.2	231.0	48.3	47.7
		HQPM-4 (C)	72.2	81.8	228.4	222.3	49.3	50.0
		HQPM-5 (C)	73.9	80.9	217.4	223.0	49.7	51.3
		HQPM-7 (C)	75.4	80.6	225.2	237.3	48.3	52.0
1,00,000	State recommendation	FQH106	91.0	94.4	203.2	182.3	45.7	45.0
		Vivek QPM 9 (C)	91.4	93.9	208.3	221.3	46.3	46.0
		HQPM-1 (C)	91.0	93.0	215.9	213.3	47.3	47.0
		HQPM-4 (C)	89.2	98.8	229.3	222.3	48.7	50.0
		HQPM-5 (C)	87.1	96.5	218.1	224.0	48.3	50.7
		HQPM-7 (C)	89.6	96.0	225.7	228.3	47.3	51.7
	200:65:80	FQH106	87.9	98.3	201.2	184.7	44.0	44.7
		Vivek QPM 9 (C)	88.2	92.6	205.4	215.0	45.3	45.3
		HQPM-1 (C)	89.9	91.6	212.3	212.7	46.7	46.3
		HQPM-4 (C)	88.9	92.4	225.6	225.0	47.3	50.0
		HQPM-5 (C)	89.9	94.4	214.5	222.0	46.3	51.7
		HQPM-7 (C)	88.6	92.9	222.1	225.0	47.0	51.7
	250:80:100	FQH106	91.3	93.0	204.1	186.7	45.0	45.0
		Vivek QPM 9 (C)	88.6	93.1	209.2	205.0	46.3	47.0
		HQPM-1 (C)	89.9	96.1	216.8	216.7	47.7	47.7
		HQPM-4 (C)	88.2	92.5	229.9	219.3	48.3	51.0
		HQPM-5 (C)	89.9	93.5	219.1	212.0	48.7	51.7
		HQPM-7 (C)	90.6	98.5	226.7	226.0	47.7	52.3
Mean of location			81.7	87.3	215.2	214.4	47.3	48.4
83,000			73.8	80.0	214.4	215.4	47.8	48.1
1,00,000			89.5	94.5	216.0	213.4	46.9	48.6
CD at 5%			1.9	3.9	NS	NS	NS	0.3
CV (%)			2.8	5.3	2.5	2.4	6.1	0.7
State recommendation			81.5	87.3	216.1	215.2	47.6	47.9
200:65:80			81.6	86.9	212.5	213.9	46.6	48.3
250:80:100			81.9	87.5	217.0	214.2	47.8	48.8
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			2.6	1.2	5.4	3.2	4.7	4.9
FQH106			81.9	87.2	202.3	184.9	45.4	44.6
Vivek QPM 9 (C)			81.7	86.3	206.9	210.2	46.6	45.9
HQPM-1 (C)			81.7	86.0	214.1	218.9	47.6	46.9
HQPM-4 (C)			81.3	88.1	227.4	222.8	48.6	49.7
HQPM-5 (C)			81.2	87.6	216.4	219.7	48.3	51.1
HQPM-7 (C)			82.2	88.4	224.1	229.8	47.6	51.9
CD at 5%			NS	1.2	6.9	7.2	1.5	0.5
CV (%)			4.3	2.0	4.8	5.0	4.6	1.7

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A-27

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Days 50% silking		100-seed weight (g)		Net returns (Rs. /ha)	
			Coimbatore	Dharwad	Coimbatore	Dharwad	Coimbatore	Dharwad
83,000	State recommendation	FQH106	50.0	49.3	30.4	27.4	47912	48350
		Vivek QPM 9 (C)	51.3	50.3	30.7	29.8	49864	52247
		HQPM-1 (C)	51.7	51.7	31.6	29.2	56324	65585
		HQPM-4 (C)	53.3	52.7	32.1	33.1	62058	71073
		HQPM-5 (C)	52.7	57.0	32.4	32.8	63218	68086
	HQPM-7 (C)	51.7	58.0	31.3	36.1	55064	76783	
	200:65:80	FQH106	49.3	51.3	30.1	27.8	43927	47170
		Vivek QPM 9 (C)	50.3	53.0	30.3	28.8	45764	49223
		HQPM-1 (C)	51.3	52.3	31.2	31.4	51876	60094
		HQPM-4 (C)	52.0	56.0	31.6	36.1	57184	68945
		HQPM-5 (C)	51.7	56.3	31.9	29.4	58385	68817
	HQPM-7 (C)	51.3	57.3	30.9	31.8	50596	72047	
	250:80:100	FQH106	50.0	51.0	30.4	28.1	47946	40123
		Vivek QPM 9 (C)	51.7	52.7	30.8	26.4	49927	52022
		HQPM-1 (C)	52.3	53.7	31.6	29.4	56394	58496
HQPM-4 (C)		53.3	54.7	32.2	29.8	62145	67565	
HQPM-5 (C)		53.3	58.3	32.6	35.4	63311	67441	
HQPM-7 (C)	52.3	57.0	31.3	37.1	55139	67974		
1,00,000	State recommendation	FQH106	49.3	51.3	29.8	29.8	54410	48955
		Vivek QPM 9 (C)	50.3	52.7	30.2	28.1	56519	53733
		HQPM-1 (C)	51.0	53.0	31.1	28.4	63584	65520
		HQPM-4 (C)	52.7	57.0	31.4	31.8	69901	68188
		HQPM-5 (C)	52.0	58.0	31.7	31.1	71152	68611
	HQPM-7 (C)	51.3	57.0	30.8	31.4	62241	65922	
	200:65:80	FQH106	47.7	51.0	29.4	30.1	49887	47289
		Vivek QPM 9 (C)	49.3	52.0	29.7	29.4	51896	52682
		HQPM-1 (C)	50.3	50.7	30.8	29.1	58591	51361
		HQPM-4 (C)	51.3	56.0	31.1	31.1	64440	52677
		HQPM-5 (C)	50.3	57.3	31.2	32.1	65719	62435
	HQPM-7 (C)	50.7	57.3	30.4	32.4	57214	67857	
	250:80:100	FQH106	48.7	50.0	29.8	29.1	54464	46626
		Vivek QPM 9 (C)	50.3	49.0	30.3	28.1	56605	43740
		HQPM-1 (C)	51.3	52.7	31.3	28.1	63693	53960
HQPM-4 (C)		52.3	57.0	31.5	30.8	70027	59228	
HQPM-5 (C)		52.3	57.3	31.7	33.8	71262	64506	
HQPM-7 (C)	51.3	57.7	30.9	33.8	62350	64278		
Mean of location			51.2	54.2	31.0	30.8	57805.3	59433.7
83,000			51.6	54.0	31.3	31.1	54280	61225
1,00,000			50.7	54.3	30.7	30.5	61331	57643
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			5.8	3.7	2.6	6.8	16.8	7.7
State recommendation			51.4	54.0	31.1	30.7	59354	62754
200:65:80			50.5	54.2	30.7	30.8	54623	58383
250:80:100			51.6	54.3	31.2	30.8	59439	57163
CD at 5%			NS	NS	NS	NS	1457.9	NS
CV (%)			4.3	3.0	5.6	10.4	4.6	14.5
FQH106			49.2	50.7	30.0	28.7	49758	46419
Vivek QPM 9 (C)			50.6	51.6	30.3	28.4	51763	50608
HQPM-1 (C)			51.3	52.3	31.3	29.3	58410	59169
HQPM-4 (C)			52.5	55.6	31.7	32.1	64293	64613
HQPM-5 (C)			52.1	57.4	31.9	32.4	65508	66649
HQPM-7 (C)			51.4	57.4	30.9	33.8	57101	69144
CD at 5%			1.4	1.0	1.0	1.3	3835.7	3331.4
CV (%)			4.0	2.6	4.8	6.5	10.0	8.4

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Density	N:P ₂ O ₅ :K ₂ O	Genotypes	B:C ratio		Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
			Coimbatore	Dharwad	Coimbatore	Coimbatore	Coimbatore	Coimbatore
83,000	State recommendation	FQH106	1.91	2.93	14.5	14.1	15.3	34.7
		Vivek QPM 9 (C)	1.95	3.09	14.8	14.1	15.6	34.9
		HQPM-1 (C)	2.07	3.62	15.9	14.5	16.2	36.1
		HQPM-4 (C)	2.18	3.84	16.5	14.9	16.9	36.3
		HQPM-5 (C)	2.20	3.72	17.1	15.1	17.1	36.7
		HQPM-7 (C)	2.05	4.07	15.4	14.3	16.0	35.5
	200:65:80	FQH106	1.86	2.81	13.9	13.8	15.2	34.2
		Vivek QPM 9 (C)	1.89	2.89	14.3	13.9	15.3	34.5
		HQPM-1 (C)	2.01	3.31	15.3	14.3	15.9	35.4
		HQPM-4 (C)	2.12	3.65	15.8	14.5	16.6	35.8
		HQPM-5 (C)	2.14	3.65	16.3	14.8	16.6	36.3
		HQPM-7 (C)	1.98	3.77	14.7	13.9	15.6	34.9
	250:80:100	FQH106	1.91	2.41	14.7	14.1	15.3	34.9
		Vivek QPM 9 (C)	1.94	2.83	15.1	14.2	15.6	35.1
		HQPM-1 (C)	2.06	3.05	16.1	14.7	16.3	36.1
		HQPM-4 (C)	2.18	3.37	16.8	15.1	16.9	36.5
		HQPM-5 (C)	2.20	3.37	17.3	15.2	17.3	36.8
		HQPM-7 (C)	2.04	3.39	15.7	14.5	16.0	35.7
1,00,000	State recommendation	FQH106	1.98	2.96	14.1	13.6	14.8	33.8
		Vivek QPM 9 (C)	2.02	3.15	14.5	13.7	14.8	33.9
		HQPM-1 (C)	2.14	3.62	15.6	14.1	15.6	35.1
		HQPM-4 (C)	2.26	3.73	16.2	14.4	16.2	35.2
		HQPM-5 (C)	2.28	3.74	16.7	14.7	15.3	35.6
		HQPM-7 (C)	2.12	3.64	14.9	13.8	15.3	34.5
	200:65:80	FQH106	1.92	2.82	13.5	13.5	14.4	33.2
		Vivek QPM 9 (C)	1.95	3.03	13.8	13.4	14.4	33.5
		HQPM-1 (C)	2.08	2.98	14.8	13.7	15.2	34.4
		HQPM-4 (C)	2.19	3.03	15.3	13.9	15.7	34.8
		HQPM-5 (C)	2.21	3.40	15.9	14.3	15.9	35.2
		HQPM-7 (C)	2.05	3.61	14.2	13.4	14.8	33.8
	250:80:100	FQH106	1.97	2.64	14.4	13.7	14.8	33.9
		Vivek QPM 9 (C)	2.01	2.53	14.8	13.8	14.9	34.1
		HQPM-1 (C)	2.14	2.89	15.7	14.3	15.7	35.3
		HQPM-4 (C)	2.25	3.08	16.3	14.6	16.0	35.4
		HQPM-5 (C)	2.27	3.26	16.9	14.7	16.6	35.7
		HQPM-7 (C)	2.11	3.26	15.2	13.9	15.2	34.7
Mean of location			2.1	3.25	15.4	14.2	15.7	35.1
83,000			2.04	3.32	15.6	14.4	16.1	35.6
1,00,000			2.11	3.19	15.2	14.0	15.3	34.6
CD at 5%			NS	0.1	NS	0.4	0.7	NS
CV (%)			8.9	4.6	5.6	0.6	5.5	4.7
State recommendation			2.10	3.51	15.5	14.3	15.8	35.2
200:65:80			2.03	3.25	14.8	13.9	15.5	34.7
250:80:100			2.09	3.01	15.8	14.4	15.9	35.3
CD at 5%			0.0	0.2	0.4	NS	NS	NS
CV (%)			2.4	9.4	4.2	4.8	8.4	4.3
FQH106			1.92	2.76	14.2	13.8	15.0	34.1
Vivek QPM 9 (C)			1.96	2.92	14.5	13.9	15.1	34.3
HQPM-1 (C)			2.08	3.25	15.6	14.3	15.8	35.4
HQPM-4 (C)			2.20	3.45	16.2	14.6	16.4	35.7
HQPM-5 (C)			2.22	3.52	16.7	14.8	16.5	36.1
HQPM-7 (C)			2.06	3.62	15.0	14.0	15.5	34.9
CD at 5%			0.1	0.1	0.6	0.5	0.8	1.3
CV (%)			5.1	5.9	5.9	5.3	7.4	5.6

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Table 7: Performance of pre release QPM maturity genotypes in Kharif under varying planting density and nutrients levels in Central West Zone (CWZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Grain yield (kg/ha)		Stover yield (kg/ha)		Plants ('000/ha)	
			Banswara	Chhindwara	Banswara	Chhindwara	Banswara	Chhindwara
66,000	State Recommendation (120:60:40 Bans)	FQH106	3958		5333		58.1	
		Vivek QPM 9 (C)	5347		7342		64.3	
		HQPM-1 (C)	3750		5942		54.7	
		HQPM-4 (C)	4792		6865		60.3	
		HQPM-5 (C)	2951		4768		45.1	
		HQPM-7 (C)	5139		6251		61.7	
	200:65:80	FQH106	5069	3729	6294	6050	59.0	61.1
		Vivek QPM 9 (C)	5938	4978	7395	6173	62.1	56.2
		HQPM-1 (C)	4618	6749	6822	8661	59.7	61.1
		HQPM-4 (C)	5486	7415	7191	11642	59.9	62.5
		HQPM-5 (C)	3854	5332	6255	7270	54.3	56.9
		HQPM-7 (C)	5799	6916	6602	8598	62.5	60.4
	250:80:100	FQH106	5382	3999	6364	6301	58.6	62.5
		Vivek QPM 9 (C)	6181	5687	7511	7468	62.6	60.4
		HQPM-1 (C)	5174	8270	7148	11164	60.5	64.6
		HQPM-4 (C)	5660	7603	6751	10822	54.4	63.2
		HQPM-5 (C)	4965	6686	6638	9183	56.9	61.1
		HQPM-7 (C)	5868	7645	6920	9862	61.6	63.9
83,000	State Recommendation	FQH106	4375		6301		69.7	
		Vivek QPM 9 (C)	5938		8647		78.3	
		HQPM-1 (C)	4167		7629		71.5	
		HQPM-4 (C)	5313		8106		76.7	
		HQPM-5 (C)	3264		5874		56.9	
		HQPM-7 (C)	5590		7825		79.0	
	200:65:80	FQH106	5764	3833	7878	6202	76.6	79.2
		Vivek QPM 9 (C)	6875	5416	9219	6716	80.0	79.2
		HQPM-1 (C)	5278	7540	8238	9677	73.9	79.2
		HQPM-4 (C)	6250	7415	8650	11642	74.0	80.5
		HQPM-5 (C)	4479	5699	8278	7770	72.7	80.5
		HQPM-7 (C)	6667	7207	8342	8961	78.7	78.5
	250:80:100	FQH106	6007	4166	8136	6464	75.1	80.5
		Vivek QPM 9 (C)	7118	5937	9550	7797	80.5	80.5
		HQPM-1 (C)	5382	8519	8532	11501	73.8	79.8
		HQPM-4 (C)	6458	8457	9651	12037	79.8	84.0
		HQPM-5 (C)	5208	7270	8255	9984	72.1	81.2
		HQPM-7 (C)	6771	7728	8754	9969	79.2	84.0
Mean of location			5300.9	6424.8	7396.0	8829.7	66.8	70.9
66,000			4996	6251	6577	8599	58.7	61.2
83,000			5606	6599	8215	9060	74.9	80.6
CD at 5%			NS	NS	381.1	NS	3.8	3.0
CV (%)			17.6	12.3	6.2	10.4	6.8	4.2
State Recommendation			4549		6740		64.7	
200:65:80			5506	6019	7597	8280	67.8	69.6
250:80:100			5848	6831	7851	9379	67.9	72.2
CD at 5%			318.4	528.9	215.3	903.9	2.2	NS
CV (%)			11.1	12.6	5.4	15.6	6.1	6.8
FQH106			5093	3932	6718	6254	66.2	70.8
Vivek QPM 9 (C)			6233	5504	8277	7038	71.3	69.1
HQPM-1 (C)			4728	7770	7385	10251	65.7	71.2
HQPM-4 (C)			5660	7723	7869	11536	67.5	72.6
HQPM-5 (C)			4120	6247	6678	8552	59.7	70.0
HQPM-7 (C)			5972	7374	7449	9347	70.4	71.7
CD at 5%			366.3	577.9	295.0	768.9	2.0	NS
CV (%)			10.4	10.9	6.0	10.6	4.5	6.6

Cont...

A-30

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Cobs ('000/ha)		Plant height (cm)		Days 50% tasseling	
			Banswara	Chhindwara	Banswara	Chhindwara	Banswara	Chhindwara
66,000	State Recommendation	FQH106	58.1		160.0		43.0	
		Vivek QPM 9 (C)	64.3		200.0		47.3	
		HQPM-1 (C)	54.7		190.0		47.0	
		HQPM-4 (C)	60.3		199.3		49.0	
		HQPM-5 (C)	45.1		185.0		51.0	
		HQPM-7 (C)	61.7		177.7		49.0	
	200:65:80	FQH106	59.0	58.3	186.7	159.0	43.0	55.0
		Vivek QPM 9 (C)	62.1	55.5	208.3	174.0	47.3	56.3
		HQPM-1 (C)	59.7	62.5	200.0	178.3	47.3	56.0
		HQPM-4 (C)	59.9	56.2	210.0	207.0	49.3	56.3
		HQPM-5 (C)	54.3	59.7	201.7	186.3	51.3	57.0
		HQPM-7 (C)	62.5	62.5	185.0	194.3	49.0	56.0
	250:80:100	FQH106	58.6	59.7	190.0	165.0	42.7	54.7
		Vivek QPM 9 (C)	62.6	59.0	210.0	181.3	47.3	55.7
		HQPM-1 (C)	60.5	63.2	206.7	195.0	46.7	55.7
		HQPM-4 (C)	54.4	58.3	216.7	212.3	49.3	56.3
		HQPM-5 (C)	56.9	62.5	204.0	197.3	51.0	56.0
		HQPM-7 (C)	60.6	64.6	196.7	199.0	48.7	55.3
83,000	State Recommendation	FQH106	64.8		158.3		44.3	
		Vivek QPM 9 (C)	77.2		193.3		47.3	
		HQPM-1 (C)	64.9		186.7		48.3	
		HQPM-4 (C)	69.0		185.0		50.3	
		HQPM-5 (C)	47.2		181.0		52.0	
		HQPM-7 (C)	71.0		173.3		50.0	
	200:65:80	FQH106	75.6	82.6	180.0	145.3	43.7	56.3
		Vivek QPM 9 (C)	80.8	79.8	201.7	165.3	47.3	56.3
		HQPM-1 (C)	73.9	81.2	195.0	185.3	47.7	56.7
		HQPM-4 (C)	74.0	81.2	204.3	205.0	49.3	56.7
		HQPM-5 (C)	72.7	80.5	199.3	192.0	51.0	57.3
		HQPM-7 (C)	78.7	79.2	185.7	179.0	50.0	56.7
	250:80:100	FQH106	75.1	85.4	189.3	150.3	44.0	55.7
		Vivek QPM 9 (C)	80.5	80.5	207.7	168.0	47.3	56.3
		HQPM-1 (C)	73.8	84.0	202.7	189.0	47.3	55.7
		HQPM-4 (C)	80.2	82.6	211.7	208.0	50.0	56.3
		HQPM-5 (C)	72.1	82.6	200.3	194.7	51.0	55.7
		HQPM-7 (C)	79.2	81.9	193.3	184.0	49.3	55.3
Mean of location			65.7	71.0	193.8	184.0	48.0	56.1
66,000			58.6	60.2	196.0	187.4	47.7	55.9
83,000			72.8	81.8	191.6	180.5	48.4	56.3
CD at 5%			8.5	1.9	NS	NS	NS	NS
CV (%)			15.7	2.7	5.6	6.8	2.8	0.9
State Recommendation			61.5		182.5		48.2	
200:65:80			67.8	70.0	196.5	180.9	48.0	56.4
250:80:100			67.9	72.0	202.4	187.0	47.9	55.7
CD at 5%			NS	NS	4.2	4.2	NS	0.6
CV (%)			17.8	6.4	4.0	3.4	1.3	1.7
FQH106			65.2	71.5	177.4	154.9	43.4	55.4
Vivek QPM 9 (C)			71.3	68.7	203.5	172.2	47.3	56.2
HQPM-1 (C)			64.6	72.7	196.8	186.9	47.4	56.0
HQPM-4 (C)			66.3	69.6	204.5	208.1	49.6	56.4
HQPM-5 (C)			58.1	71.3	195.2	192.6	51.2	56.5
HQPM-7 (C)			69.0	72.0	185.3	189.1	49.3	55.8
CD at 5%			2.3	NS	5.0	5.8	0.5	0.5
CV (%)			5.3	8.7	3.9	3.8	1.4	1.1

Cont...

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Days 50% Silking		Net returns (Rs./ha)		B:C ratio	
			Banswara	Chhindwara	Banswara	Chhindwara	Banswara	Chhindwara
66,000	State Recommendation	FQH106	46.0		23363		0.71	
		Vivek QPM 9 (C)	50.0		43155		1.31	
		HQPM-1 (C)	50.0		20395		0.62	
		HQPM-4 (C)	52.0		35238		1.07	
		HQPM-5 (C)	54.0		9014		0.27	
		HQPM-7 (C)	52.0		40186		1.22	
	200:65:80	FQH106	45.7	56.3	37790	30114	1.10	1.15
		Vivek QPM 9 (C)	50.3	57.3	50159	49720	1.46	1.90
		HQPM-1 (C)	50.3	57.3	31357	76996	0.91	2.94
		HQPM-4 (C)	52.7	57.0	43727	89309	1.27	3.42
		HQPM-5 (C)	54.3	58.0	20472	55775	0.59	2.13
		HQPM-7 (C)	52.3	57.3	48180	80649	1.40	3.08
	250:80:100	FQH106	45.7	55.7	40550	32490	1.12	1.16
		Vivek QPM 9 (C)	50.7	56.3	51930	58981	1.44	2.10
		HQPM-1 (C)	49.7	57.0	37581	99664	1.04	3.55
		HQPM-4 (C)	52.3	57.3	44508	90683	1.23	3.23
		HQPM-5 (C)	54.0	57.0	34612	75361	0.96	2.68
		HQPM-7 (C)	51.7	56.3	47477	90315	1.31	3.21
83,000	State Recommendation	FQH106	47.3		27301		0.78	
		Vivek QPM 9 (C)	50.0		49566		1.41	
		HQPM-1 (C)	51.7		24332		0.69	
		HQPM-4 (C)	53.7		40660		1.16	
		HQPM-5 (C)	55.3		11467		0.33	
		HQPM-7 (C)	53.0		44618		1.27	
	200:65:80	FQH106	46.7	57.7	45685	30886	1.25	1.15
		Vivek QPM 9 (C)	50.0	57.0	61519	55587	1.69	2.06
		HQPM-1 (C)	50.7	57.7	38758	88293	1.06	3.28
		HQPM-4 (C)	52.7	57.7	52613	88509	1.44	3.28
		HQPM-5 (C)	54.3	58.3	27378	60607	0.75	2.25
		HQPM-7 (C)	53.0	58.0	58550	84353	1.61	3.13
	250:80:100	FQH106	47.3	57.7	47456	34215	1.24	1.18
		Vivek QPM 9 (C)	50.0	57.3	63289	62008	1.66	2.15
		HQPM-1 (C)	50.7	57.3	38550	102726	1.01	3.55
		HQPM-4 (C)	53.3	57.3	53888	103226	1.41	3.57
		HQPM-5 (C)	54.0	56.7	36076	83586	0.95	2.89
		HQPM-7 (C)	52.7	57.3	58341	90806	1.53	3.14
Mean of location			51.1	57.2	39992.9	71452.5	1.12	2.59
66,000			50.8	56.9	36650	69172	1.06	2.55
83,000			51.5	57.5	43336	73733	1.18	2.64
CD at 5%			NS	0.6	NS	NS	NS	NS
CV (%)			2.6	0.9	33.3	17.1	33.4	16.7
State Recommendation			51.3		30775		0.90	
200:65:80			51.1	57.5	43016	65900	1.21	2.48
250:80:100			51.0	56.9	46188	77005	1.24	2.70
CD at 5%			NS	0.3	4537.5	8210.8	0.1	NS
CV (%)			1.9	0.8	20.9	17.6	21.3	17.3
FQH106			46.4	56.8	37024	31926	1.03	1.16
Vivek QPM 9 (C)			50.2	57.0	53270	56574	1.49	2.05
HQPM-1 (C)			50.5	57.3	31829	91920	0.89	3.33
HQPM-4 (C)			52.8	57.3	45106	92932	1.26	3.37
HQPM-5 (C)			54.3	57.5	23170	68832	0.64	2.49
HQPM-7 (C)			52.4	57.3	49559	86531	1.39	3.14
CD at 5%			0.6	NS	5219.6	8933.9	0.1	0.3
CV (%)			1.7	1.1	19.6	15.2	19.8	15.1

Cont...

A-32

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
			Chhindwara	Chhindwara	Chhindwara	Chhindwara
66,000	State Recommendation	FQH106				
		Vivek QPM 9 (C)				
		HQPM-1 (C)				
		HQPM-4 (C)				
		HQPM-5 (C)				
		HQPM-7 (C)				
	200:65:80	FQH106	10.2	12.8	15.3	26.0
		Vivek QPM 9 (C)	10.4	13.9	12.0	24.3
		HQPM-1 (C)	11.0	13.1	13.3	29.0
		HQPM-4 (C)	10.2	13.7	12.7	29.7
		HQPM-5 (C)	10.9	13.7	14.0	23.3
		HQPM-7 (C)	10.0	12.7	14.0	27.3
	250:80:100	FQH106	12.3	13.3	15.3	29.7
		Vivek QPM 9 (C)	12.7	14.1	16.0	29.7
		HQPM-1 (C)	14.2	13.5	15.3	28.7
		HQPM-4 (C)	13.1	14.2	14.7	29.7
		HQPM-5 (C)	12.6	14.0	15.3	24.7
		HQPM-7 (C)	14.0	14.6	14.7	31.0
83,000	State Recommendation	FQH106				
		Vivek QPM 9 (C)				
		HQPM-1 (C)				
		HQPM-4 (C)				
		HQPM-5 (C)				
		HQPM-7 (C)				
	200:65:80	FQH106	10.5	13.0	15.3	26.7
		Vivek QPM 9 (C)	11.3	14.0	14.0	27.0
		HQPM-1 (C)	11.9	13.9	13.3	28.0
		HQPM-4 (C)	11.4	14.2	14.7	30.0
		HQPM-5 (C)	12.3	13.6	14.0	24.0
		HQPM-7 (C)	10.6	13.3	14.0	30.7
	250:80:100	FQH106	12.6	13.3	16.0	30.3
		Vivek QPM 9 (C)	12.9	14.3	16.7	33.3
		HQPM-1 (C)	15.3	13.4	14.7	28.7
		HQPM-4 (C)	14.5	14.4	14.7	33.7
		HQPM-5 (C)	13.9	15.1	16.7	26.7
		HQPM-7 (C)	14.9	14.7	16.0	33.0
Mean of location			12.2	13.8	14.7	28.5
66,000			11.8	13.6	14.4	27.8
83,000			12.7	13.9	15.0	29.3
CD at 5%			NS	NS	0.5	NS
CV (%)			18.9	4.5	3.2	13.4
State Recommendation						
200:65:80			10.9	13.5	13.9	27.2
250:80:100			13.6	14.1	15.5	29.9
CD at 5%			1.2	0.4	0.7	NS
CV (%)			14.6	4.8	7.5	16.1
FQH106			11.4	13.1	15.5	28.2
Vivek QPM 9 (C)			11.8	14.1	14.7	28.6
HQPM-1 (C)			13.1	13.5	14.2	28.6
HQPM-4 (C)			12.3	14.1	14.2	30.8
HQPM-5 (C)			12.4	14.1	15.0	24.7
HQPM-7 (C)			12.4	13.8	14.7	30.5
CD at 5%			NS	0.6	0.8	3.5
CV (%)			14.1	5.4	6.3	14.8

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Table 8: Performance of pre release pop corn genotypes in *Kharif* under varying planting density and nutrients levels in Northern Hill Zone (NHZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
			Bajaura									
83,000	150:50:60	IMHP-1535	6307	8342	72.5	90.3	149.7	52.0	54.0	19.3	156963	4.0
		MPC 1-15	6169	8256	60.7	73.3	160.0	51.7	53.7	18.7	152754	3.9
		IMHP-1540	5562	7081	62.9	73.7	152.7	51.7	53.7	17.3	133603	3.4
		SJPCI	6494	8542	68.8	88.2	204.5	49.0	51.0	17.3	162732	4.2
		VL Amber Popcorn (C)	5791	7705	74.6	78.1	162.0	48.3	50.3	16.0	140983	3.6
	200:60:80	IMHP-1535	6556	8890	70.7	88.5	161.9	50.0	52.0	17.3	163021	4.0
		MPC 1-15	6453	8797	63.7	96.9	176.7	52.0	54.0	18.0	159867	3.9
		IMHP-1540	6113	8175	65.5	84.0	160.6	50.3	52.3	18.0	149159	3.7
		SJPCI	7044	9208	72.1	97.1	209.3	49.7	51.7	16.0	177935	4.4
		VL Amber Popcorn (C)	6120	8189	78.5	88.9	163.0	48.3	50.3	15.3	149390	3.7
1,00,000	150:50:60	IMHP-1535	5507	7584	87.7	85.1	161.9	51.0	54.0	17.3	131856	3.3
		MPC 1-15	5591	7386	75.9	87.0	185.8	50.3	53.3	16.7	134218	3.4
		IMHP-1540	5407	7418	75.5	83.0	158.3	51.0	54.0	17.3	128713	3.3
		SJPCI	6128	8134	77.7	92.6	212.6	50.3	53.3	16.0	150936	3.8
		VL Amber Popcorn (C)	5255	6661	88.4	92.2	168.1	49.0	52.0	14.7	123548	3.1
	200:60:80	IMHP-1535	6243	8271	86.2	88.9	170.5	50.7	53.7	20.0	152646	3.7
		MPC 1-15	6315	8002	79.2	91.9	180.6	51.3	54.3	16.0	154580	3.7
		IMHP-1540	5888	7966	71.6	83.3	168.7	50.0	53.0	18.0	141742	3.4
		SJPCI	6869	9524	84.4	100.2	212.0	49.0	52.0	14.7	172438	4.2
		VL Amber Popcorn (C)	5656	7359	85.5	87.4	178.8	49.0	52.0	16.7	134306	3.3
Mean of location			6073.4	8074.4	75.1	87.5	174.9	50.2	52.7	17.0	148569.5	3.7
83,000			6261	8318	69.0	85.9	170.0	50.3	52.3	17.3	154641	3.9
1,00,000			5886	7830	81.2	89.2	179.7	50.2	53.2	16.7	142498	3.5
CD at 5%			105.1	220.0	5.6	NS	NS	NS	0.8	NS	3093.7	0.08
CV (%)			1.6	2.5	6.8	6.7	5.1	1.4	1.3	12.0	1.9	1.9
150:50:60			5821	7711	74.5	84.4	171.6	50.4	52.9	17.1	141631	3.6
200:60:80			6326	8438	75.7	90.7	178.2	50.0	52.5	17.0	155508	3.8
CD at 5%			129.0	529.7	NS	2.5	NS	NS	NS	NS	4210.4	0.10
CV (%)			3.0	9.2	9.7	4.0	13.3	1.9	1.8	17.5	4.0	4.0
IMHP-1535			6153	8272	79.3	88.2	161.0	50.9	53.4	18.5	151121	3.8
MPC 1-15			6132	8110	69.9	87.3	175.8	51.3	53.8	17.3	150355	3.7
IMHP-1540			5742	7660	68.9	81.0	160.1	50.8	53.3	17.7	138304	3.4
SJPCI			6634	8852	75.8	94.5	209.6	49.5	52.0	16.0	166010	4.1
VL Amber Popcorn (C)			5706	7478	81.8	86.7	168.0	48.7	51.2	15.7	137057	3.4
CD at 5%			261.4	359.5	4.5	5.1	8.6	0.9	0.9	1.6	7975.2	0.20
CV (%)			5.2	5.4	7.2	7.0	5.9	2.2	2.1	11.3	6.5	6.5

Table 9: Performance of pre release pop corn genotypes in *Kharif* under varying planting density and nutrients levels in North West Plain Zone (NWPZ).

Density	Nutrient levels	Genotypes	Grain yield (kg/ha)		Stover yield (kg/ha)		Plants ('000/ha)	
			Karnal	Ludhiana	Karnal	Ludhiana	Karnal	Ludhiana
66,000	State Recommendation (87.5:30:20 Ludh)	IMHP-1535		3153		5531		61.5
		MPC 1-15		2986		5122		60.8
		IMHP-1540		3104		4656		58.0
		SJPCI		3361		5042		59.0
		VL Amber Popcorn (C)		2882		5017		58.7
	150:50:60	IMHP-1535	3927	3250	5713	4972	64.9	63.5
		MPC 1-15	3743	3097	8630	4740	65.3	63.2
		IMHP-1540	3843	3535	5853	5406	66.0	63.2
		SJPCI	3803	3521	7627	5385	65.6	59.4
		VL Amber Popcorn (C)	2810	3042	5370	4653	65.6	60.8
	200:60:80	IMHP-1535	4167	3264	6113	5028	65.6	61.5
		MPC 1-15	3967	3257	9060	5017	65.6	61.8
		IMHP-1540	4023	3743	6573	5736	65.3	62.8
		SJPCI	3930	3632	8047	5594	66.0	62.8
		VL Amber Popcorn (C)	2987	3132	6060	4819	64.9	61.8
83,000	State Recommendation	IMHP-1535		3583		5444		79.5
		MPC 1-15		3222		4899		79.5
		IMHP-1540		3257		4951		78.8
		SJPCI		3708		5639		78.8
		VL Amber Popcorn (C)		3313		5035		79.2
	150:50:60	IMHP-1535	5227	4188	7013	6448	82.6	78.5
		MPC 1-15	4973	3681	10700	5670	81.9	81.3
		IMHP-1540	5073	3875	7360	5969	81.6	78.8
		SJPCI	5043	4292	9867	6608	81.6	79.5
		VL Amber Popcorn (C)	3790	3750	6697	5771	81.9	81.3
	200:60:80	IMHP-1535	5467	4215	7743	6535	81.9	79.2
		MPC 1-15	5197	3882	11350	6017	81.3	80.2
		IMHP-1540	5253	3917	8003	6073	80.9	79.2
		SJPCI	5170	4306	10143	6677	81.6	78.8
		VL Amber Popcorn (C)	3967	3799	7287	5889	81.3	79.5
Mean of location			4318.0	3531.5	7760.5	5478.1	73.6	70.4
66,000			3720	3264	6905	5115	65.5	61.3
83,000			4916	3799	8616	5842	81.7	79.5
CD at 5%			0.0	231.1	686.1	470.0	0.9	5.1
CV (%)			0.0	7.2	8.0	9.5	1.1	8.0
State Recommendation				3257		5134		69.4
150:50:60			4223	3623	7483	5562	73.7	70.9
200:60:80			4413	3715	8038	5739	73.4	70.8
CD at 5%			146.6	201.2	161.5	396.1	NS	NS
CV (%)			4.7	9.6	2.9	12.1	1.7	4.6
IMHP-1535			4697	3609	6646	5660	73.8	70.6
MPC 1-15			4470	3354	9935	5244	73.5	71.1
IMHP-1540			4548	3572	6948	5465	73.4	70.1
SJPCI			4487	3803	8921	5824	73.7	69.7
VL Amber Popcorn (C)			3388	3319	6353	5197	73.4	70.2
CD at 5%			343.5	246.8	342.6	422.1	NS	NS
CV (%)			9.6	10.4	5.3	11.5	1.3	2.5

Cont...

Density	Nutrient levels	Genotypes	Cobs ('000/ha)		Plant height (cm)		Days 50% tasseling	
			Karnal	Ludhiana	Karnal	Ludhiana	Karnal	Ludhiana
66,000	State Recommendation	IMHP-1535		59.7		120.7		51.0
		MPC 1-15		60.1		124.0		52.0
		IMHP-1540		56.6		117.7		51.3
		SJPCI		57.3		157.7		51.3
		VL Amber Popcorn (C)		57.6		123.7		51.3
	150:50:60	IMHP-1535	64.9	61.8	137.7	123.3	52.7	50.3
		MPC 1-15	65.3	58.0	154.3	140.7	51.3	50.0
		IMHP-1540	66.0	61.8	143.7	128.7	54.0	50.3
		SJPCI	65.6	58.0	180.3	162.7	53.3	50.3
		VL Amber Popcorn (C)	65.6	58.7	138.3	136.0	51.7	50.3
	200:60:80	IMHP-1535	65.6	59.4	144.3	125.7	50.3	49.7
		MPC 1-15	65.6	59.7	156.7	144.3	50.3	50.0
		IMHP-1540	65.3	61.1	150.3	131.3	52.7	50.0
		SJPCI	66.0	60.4	185.3	165.0	52.3	49.7
		VL Amber Popcorn (C)	64.9	60.8	140.7	138.3	50.3	49.3
83,000	State Recommendation	IMHP-1535		77.4		142.0		51.3
		MPC 1-15		78.1		114.7		52.3
		IMHP-1540		77.4		134.0		51.7
		SJPCI		77.1		125.7		52.0
		VL Amber Popcorn (C)		77.1		127.0		51.3
	150:50:60	IMHP-1535	82.6	77.4	143.0	146.0	52.3	51.0
		MPC 1-15	81.9	78.1	156.7	134.7	50.7	51.7
		IMHP-1540	81.6	77.4	150.3	148.7	51.7	50.7
		SJPCI	81.6	78.5	184.3	131.0	51.7	51.0
		VL Amber Popcorn (C)	81.9	79.2	142.0	134.0	50.0	50.7
	200:60:80	IMHP-1535	81.9	77.4	146.0	153.0	49.0	50.7
		MPC 1-15	81.3	78.8	161.0	140.7	50.3	51.3
		IMHP-1540	80.9	77.4	154.7	150.7	49.7	50.7
		SJPCI	81.6	76.4	186.7	135.0	51.3	50.3
		VL Amber Popcorn (C)	81.3	77.8	146.7	140.3	49.7	50.0
Mean of location			73.6	68.6	155.2	136.6	51.3	50.8
66,000			65.5	59.4	153.2	136.0	51.9	50.5
83,000			81.7	77.7	157.1	137.2	50.6	51.1
CD at 5%			0.9	5.7	NS	NS	1.2	NS
CV (%)			1.1	9.2	5.4	12.2	2.0	1.8
State Recommendation				67.8		128.7		51.6
150:50:60			73.7	68.9	153.1	138.6	51.9	50.6
200:60:80			73.4	68.9	157.2	142.4	50.6	50.2
CD at 5%			NS	NS	NS	8.6	0.4	0.9
CV (%)			1.7	4.8	6.1	10.6	1.2	2.9
IMHP-1535			73.8	68.9	142.8	135.1	51.1	50.7
MPC 1-15			73.5	68.8	157.2	133.2	50.7	51.2
IMHP-1540			73.4	68.6	149.8	135.2	52.0	50.8
SJPCI			73.7	67.9	184.2	146.2	52.2	50.8
VL Amber Popcorn (C)			73.4	68.5	141.9	133.2	50.4	50.5
CD at 5%			NS	NS	4.8	7.4	0.6	NS
CV (%)			1.3	2.6	3.7	8.0	1.3	2.3

Cont...

Density	Nutrient levels	Genotypes	Days 50% silking		100-seed weight (g)	Net returns (Rs./ha)	
			Karnal	Ludhiana	Karnal	Karnal	Ludhiana
66,000	State Recommendation	IMHP-1535		54.0			50455
		MPC 1-15		55.0			45379
		IMHP-1540		54.3			48219
		SJPCI		54.3			55799
		VL Amber Popcorn (C)		54.3			42358
	150:50:60	IMHP-1535	55.7	52.7	17.0	85804	51914
		MPC 1-15	54.3	52.7	15.8	76762	47403
		IMHP-1540	57.0	53.3	17.3	82484	60320
		SJPCI	56.3	52.7	15.3	79153	59910
		VL Amber Popcorn (C)	54.7	52.0	17.0	41305	45761
	200:60:80	IMHP-1535	53.3	52.3	17.6	93632	50729
		MPC 1-15	53.3	52.7	16.5	87398	50524
		IMHP-1540	55.7	52.7	17.6	87920	64854
		SJPCI	55.3	52.3	15.9	85937	61601
		VL Amber Popcorn (C)	53.3	52.0	17.2	46609	46826
83,000	State Recommendation	IMHP-1535		54.3			61516
		MPC 1-15		55.3			50860
		IMHP-1540		54.7			51884
		SJPCI		55.0			65211
		VL Amber Popcorn (C)		54.3			53523
	150:50:60	IMHP-1535	55.3	53.3	16.7	137609	78731
		MPC 1-15	53.7	54.0	15.3	125777	63759
		IMHP-1540	54.7	53.0	16.9	131499	69502
		SJPCI	54.7	53.3	14.8	128567	81808
		VL Amber Popcorn (C)	53.0	53.0	16.7	80358	65804
	200:60:80	IMHP-1535	52.0	53.3	17.1	145437	77975
		MPC 1-15	53.3	54.3	16.3	136414	68124
		IMHP-1540	52.7	53.0	17.6	136935	69152
		SJPCI	54.3	53.0	15.5	135351	80645
		VL Amber Popcorn (C)	52.7	52.7	17.1	85662	65662
Mean of location			54.3	53.5	16.5	100530.7	59540.3
66,000			54.9	53.2	16.7	76700	52137
83,000			53.6	53.8	16.4	124361	66944
CD at 5%			1.2	NS	NA	0.0	6670.9
CV (%)			1.9	2.9	2.6	0.0	12.4
State Recommendation				54.6			52520
150:50:60			54.9	53.0	16.3	96932	62491
200:60:80			53.6	52.8	16.8	104129	63609
CD at 5%			0.4	0.7	0.4	5842.3	5889.3
CV (%)			1.1	2.1	3.3	8.1	16.6
IMHP-1535			54.1	53.3	17.1	115621	61887
MPC 1-15			53.7	54.0	16.0	106588	54342
IMHP-1540			55.0	53.5	17.4	109709	60655
SJPCI			55.2	53.4	15.4	107252	67496
VL Amber Popcorn (C)			53.4	53.1	17.0	63483	53322
CD at 5%			0.6	NS	0.4	13687.9	7290.5
CV (%)			1.2	2.1	2.8	16.4	18.3

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Density	Nutrient levels	Genotypes	B:C ratio		Popping (%)	Barren plant/plot
			Karnal	Ludhiana	Karnal	Ludhiana
66,000	State Recommendation	IMHP-1535		1.16		1.67
		MPC 1-15		1.05		0.67
		IMHP-1540		1.11		1.33
		SJPCI		1.29		1.67
		VL Amber Popcorn (C)		0.98		1.00
	150:50:60	IMHP-1535	2.18	1.18	82.7	1.67
		MPC 1-15	2.03	1.08	90.7	5.00
		IMHP-1540	2.13	1.37	89.7	1.33
		SJPCI	2.06	1.36	92.3	1.33
		VL Amber Popcorn (C)	1.57	1.04	92.3	2.00
	200:60:80	IMHP-1535	2.26	1.11	83.5	2.00
		MPC 1-15	2.20	1.11	95.3	2.00
		IMHP-1540	2.18	1.42	91.5	1.67
		SJPCI	2.18	1.35	94.4	2.33
		VL Amber Popcorn (C)	1.63	1.02	92.3	1.00
83,000	State Recommendation	IMHP-1535		1.39		2.00
		MPC 1-15		1.15		1.33
		IMHP-1540		1.17		1.33
		SJPCI		1.47		1.67
		VL Amber Popcorn (C)		1.21		2.00
	150:50:60	IMHP-1535	2.89	1.75	79.0	1.00
		MPC 1-15	2.68	1.42	89.3	3.00
		IMHP-1540	2.80	1.55	87.3	1.33
		SJPCI	2.72	1.82	91.7	1.00
		VL Amber Popcorn (C)	2.10	1.46	92.3	2.00
	200:60:80	IMHP-1535	2.95	1.67	81.6	1.67
		MPC 1-15	2.87	1.46	94.8	1.33
		IMHP-1540	2.83	1.48	90.4	1.67
		SJPCI	2.86	1.73	93.0	2.33
		VL Amber Popcorn (C)	2.15	1.41	92.3	1.67
Mean of location			2.36	1.33	89.8	1.73
66,000			2.04	1.17	90.5	1.78
83,000			2.69	1.48	89.2	1.69
CD at 5%			0.0	0.2	0.51	NS
CV (%)			0.0	13.0	0.5	39.9
State Recommendation				1.20		1.47
150:50:60			2.32	1.40	88.7	1.97
200:60:80			2.41	1.38	90.9	1.77
CD at 5%			0.1	0.1	NA	NS
CV (%)			4.6	17.0	4.1	86.3
IMHP-1535			2.57	1.38	81.7	1.67
MPC 1-15			2.45	1.21	92.5	2.22
IMHP-1540			2.49	1.35	89.7	1.44
SJPCI			2.46	1.50	92.9	1.72
VL Amber Popcorn (C)			1.86	1.19	92.3	1.61
CD at 5%			0.2	0.2	2.9	NS
CV (%)			9.4	18.2	3.8	75.1

Table 10: Performance of pre release pop corn genotypes in *Kharif* under varying planting density and nutrients levels in North East Plain Zone (NEPZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Plant height (cm)	Days to Pollen shed	Days to silking	Days to Dry husk	Net. Returns (Rs./ha)	BC ratio
			Bhubaneswar								
66,000	150:50:60	IMHP-1535	3097	10194	15.0	127.3	47.0	50.0	84.0	48625	2.25
		MPC 1-15	3208	12917	15.0	127.7	47.0	50.0	84.0	54125	2.39
		IMHP-1540	3181	11083	14.7	129.5	46.0	49.0	83.0	51597	2.32
		SJPCI	3340	14153	14.0	129.3	48.0	51.0	84.0	58660	2.50
		VL Amber Popcorn (C)	3125	10236	15.0	129.3	46.0	49.0	83.0	49361	2.27
	200:60:80	IMHP-1535	3174	10819	15.0	130.6	46.7	49.0	84.0	50660	2.28
		MPC 1-15	3278	13722	13.7	132.1	48.3	51.3	84.0	56167	2.42
		IMHP-1540	3236	12139	14.3	128.1	46.7	49.7	84.0	53542	2.36
		SJPCI	3410	15361	14.0	128.7	48.0	50.7	84.0	61104	2.55
		VL Amber Popcorn (C)	3194	10708	14.7	129.3	46.7	50.3	83.0	51069	2.29
83,000	150:50:60	IMHP-1535	3188	11097	18.3	129.6	46.0	49.0	83.0	51785	2.33
		MPC 1-15	3507	14431	17.3	132.0	48.0	51.0	84.0	63104	2.62
		IMHP-1540	3326	12431	18.0	131.9	47.0	50.0	83.0	56590	2.45
		SJPCI	3882	16014	19.0	131.1	47.0	50.0	84.0	74063	2.90
		VL Amber Popcorn (C)	3354	11361	18.0	135.3	47.0	50.0	83.0	56215	2.44
	200:60:80	IMHP-1535	3278	11375	17.0	131.7	47.0	50.0	84.0	53819	2.36
		MPC 1-15	3663	14167	18.0	133.1	47.0	50.0	82.0	66229	2.68
		IMHP-1540	3465	12986	18.3	133.5	47.0	50.0	84.0	60118	2.52
		SJPCI	4069	16778	17.3	132.9	47.0	50.0	83.0	79014	3.00
		VL Amber Popcorn (C)	3393	11667	17.0	134.7	48.0	51.0	84.0	56993	2.44
Mean of location			3368.4	12681.9	16.2	130.9	47.1	50.1	83.6	57642.0	2.47
66,000			3224	12133	14.5	129.2	47.0	50.0	83.7	53491	2.36
83,000			3513	13231	17.8	132.6	47.1	50.1	83.4	61793	2.57
CD at 5%			NS	NS	2.7	1.9	NS	NS	NS	NS	NS
CV (%)			7.8	12.9	14.9	1.3	3.2	2.7	1.6	14.0	8.4
150:50:60			3321	12392	16.4	130.3	46.9	49.9	83.5	56413	2.45
200:60:80			3416	12972	15.9	131.5	47.2	50.2	83.6	58872	2.49
CD at 5%			NS	475.1	0.4	NS	NS	NS	NS	NS	NS
CV (%)			5.2	5.2	3.1	2.1	2.7	2.7	1.2	7.9	4.7
IMHP-1535			3184	10872	16.3	129.8	46.7	49.5	83.8	51222	2.30
MPC 1-15			3414	13809	16.0	131.2	47.6	50.6	83.5	59906	2.53
IMHP-1540			3302	12160	16.3	130.7	46.7	49.7	83.5	55462	2.41
SJPCI			3675	15576	16.1	130.5	47.5	50.4	83.8	68210	2.74
VL Amber Popcorn (C)			3267	10993	16.2	132.2	46.9	50.1	83.3	53410	2.36
CD at 5%			218.2	814.5	NS	NS	0.7	0.7	NS	5712.6	0.15
CV (%)			7.8	7.7	8.9	1.8	1.8	1.8	1.1	11.9	7.1

Table 11: Performance of pre release popcorn genotypes in *Kharif* under varying planting density and nutrients levels in Peninsular Zone (PZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Grain yield (kg/ha)		Stover yield (kg/ha)		Cob yield (kg/ha)
			Dharwad	Karimnagar	Dharwad	Karimnagar	Karimnagar
83,000	State Recommendation (150:65:65)	IMHP-1535	2679		3623		
		MPC 1-15	2807		4185		
		IMHP-1540	2592		3705		
		SJPCI	2823		4091		
		VL Amber Popcorn (C)	2603		3725		
	150:50:60	IMHP-1535	3217	4234	4595	7963	5585
		MPC 1-15	3106	3622	4482	7778	5383
		IMHP-1540	3169	3981	4376	7407	5111
		SJPCI	3629	3843	4710	8148	5978
		VL Amber Popcorn (C)	3711	2796	4609	6407	3841
	200:60:80	IMHP-1535	3228	3360	4097	7481	5107
		MPC 1-15	3265	3898	4181	7852	5978
		IMHP-1540	3171	3207	4017	7185	4578
		SJPCI	3498	4007	4409	8000	5367
		VL Amber Popcorn (C)	3531	2927	4493	6481	4344
1,00,000	State Recommendation	IMHP-1535	3491		4494		
		MPC 1-15	4128		5334		
		IMHP-1540	3371		4400		
		SJPCI	3437		4027		
		VL Amber Popcorn (C)	3741		4327		
	150:50:60	IMHP-1535	3768	3612	5025	8889	5207
		MPC 1-15	4136	3665	5915	8074	5412
		IMHP-1540	3940	4021	4986	8074	5407
		SJPCI	3764	3916	4746	9518	5793
		VL Amber Popcorn (C)	3813	2942	4842	6963	4193
	200:60:80	IMHP-1535	3932	3725	5406	7037	5315
		MPC 1-15	3859	4123	4923	9111	5626
		IMHP-1540	3972	3311	5351	6296	4715
		SJPCI	3943	3328	5001	11481	5263
		VL Amber Popcorn (C)	4202	3057	5242	8296	4281
Mean of location			3484.2	3578.6	4577.0	7922.1	5124.2
83,000			3135	3587	4220	7470	5127
1,00,000			3833	3570	4934	8374	5121
CD at 5%			NS	NS	NS	NS	NS
CV (%)			21.1	24.4	13.9	19.8	15.6
State Recommendation			3167		4191		
150:50:60			3625	3663	4828	7922	5191
200:60:80			3660	3494	4712	7922	5057
CD at 5%			NS	NS	NS	NS	NS
CV (%)			17.5	16.3	13.8	11.9	9.9
IMHP-1535			3386	3733	4540	7843	5304
MPC 1-15			3550	3827	4837	8204	5600
IMHP-1540			3369	3630	4472	7241	4953
SJPCI			3516	3773	4497	9287	5600
VL Amber Popcorn (C)			3600	2930	4540	7037	4165
CD at 5%			NS	509.3	NS	766.9	577.1
CV (%)			6.4	17.1	8.3	11.6	13.5

Cont...

A-40

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Plants	Cobs	Plant height (cm)		Ear height
			('000/ha)	('000/ha)	Dharwad	Karimnagar	Karimnagar
83,000	State Recommendation	IMHP-1535	79.7	75.5	184.7		
		MPC 1-15	81.7	76.3	186.3		
		IMHP-1540	81.3	76.5	177.0		
		SJPCI	79.6	78.3	193.0		
		VL Amber Popcorn (C)	81.7	76.6	169.5		
	150:50:60	IMHP-1535	80.3	75.5	176.6	137.7	70.7
		MPC 1-15	80.7	76.4	200.2	145.0	75.7
		IMHP-1540	80.3	77.0	154.5	138.3	70.0
		SJPCI	80.3	80.1	166.0	171.3	95.7
		VL Amber Popcorn (C)	80.7	76.6	150.5	140.3	72.3
	200:60:80	IMHP-1535	81.7	80.4	169.0	144.7	72.3
		MPC 1-15	80.2	78.9	171.0	158.3	81.3
		IMHP-1540	81.3	79.9	195.5	142.0	72.0
		SJPCI	81.3	80.3	193.5	166.3	90.3
		VL Amber Popcorn (C)	81.2	80.1	156.0	139.7	71.7
1,00,000	State Recommendation	IMHP-1535	95.6	94.2	140.5		
		MPC 1-15	96.6	93.3	157.0		
		IMHP-1540	96.3	94.2	191.0		
		SJPCI	97.7	94.9	199.1		
		VL Amber Popcorn (C)	97.2	94.6	171.5		
	150:50:60	IMHP-1535	97.5	95.4	183.6	157.3	51.3
		MPC 1-15	96.7	95.5	192.5	157.7	79.0
		IMHP-1540	98.8	96.0	170.0	154.7	78.0
		SJPCI	97.5	95.6	187.5	171.7	96.3
		VL Amber Popcorn (C)	97.6	95.4	167.0	138.1	79.3
	200:60:80	IMHP-1535	96.9	94.7	152.5	142.5	51.0
		MPC 1-15	97.6	95.3	186.0	114.0	74.7
		IMHP-1540	96.7	95.2	189.5	143.0	77.0
		SJPCI	96.2	93.8	203.0	150.3	98.2
		VL Amber Popcorn (C)	98.1	95.2	171.0	137.7	73.7
Mean of location			88.9	86.4	176.8	147.5	76.5
83,000			80.8	77.9	176.2	148.4	77.2
1,00,000			97.1	94.9	177.4	146.7	75.9
CD at 5%			0.6	NS	0.4	NS	NS
CV (%)			0.2	8.3	0.1	8.6	16.2
State Recommendation			88.7	85.5	177.0		
150:50:60			89.0	86.4	174.8	151.2	76.8
200:60:80			89.1	87.4	178.7	143.9	76.2
CD at 5%			NS	NS	NS	NS	NS
CV (%)			0.8	3.8	5.7	11.3	22.3
IMHP-1535			88.6	85.9	167.8	145.5	61.3
MPC 1-15			88.9	86.0	182.2	143.8	77.7
IMHP-1540			89.1	86.5	179.6	144.5	74.3
SJPCI			88.8	87.2	190.4	164.9	95.1
VL Amber Popcorn (C)			89.4	86.4	164.3	138.9	74.3
CD at 5%			NS	NS	7.6	12.6	12.5
CV (%)			0.9	1.4	5.1	10.3	19.7

Cont...

A-41

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Days to 50% tasseling		Days to 50% Silking		100-seed weight (g)	
			Dharwad	Karimnagar	Dharwad	Karimnagar	Dharwad	Karimnagar
83,000	State Recommendation	IMHP-1535	44.5		48.5		21.7	
		MPC 1-15	44.5		48.5		24.3	
		IMHP-1540	46.5		51.5		20.7	
		SJPCI	46.5		50.5		21.0	
		VL Amber Popcorn (C)	45.5		50.5		22.7	
	150:50:60	IMHP-1535	44.5	51.7	49.0	54.7	23.0	18.0
		MPC 1-15	44.0	50.0	49.0	53.3	24.6	15.7
		IMHP-1540	46.5	50.3	51.0	53.3	22.3	16.7
		SJPCI	45.0	49.0	50.0	52.3	22.1	13.5
		VL Amber Popcorn (C)	46.5	48.3	51.0	51.3	20.6	14.5
	200:60:80	IMHP-1535	46.0	46.7	50.5	50.3	28.3	16.8
		MPC 1-15	47.5	49.3	50.5	52.3	25.8	14.2
		IMHP-1540	46.5	49.0	51.0	52.0	23.0	16.2
		SJPCI	46.0	46.3	51.0	49.0	23.3	13.1
		VL Amber Popcorn (C)	47.0	46.3	50.5	49.3	19.2	13.7
1,00,000	State Recommendation	IMHP-1535	44.5		48.5		22.7	
		MPC 1-15	44.5		48.5		20.7	
		IMHP-1540	47.0		53.0		20.5	
		SJPCI	45.5		50.0		20.1	
		VL Amber Popcorn (C)	44.0		48.0		20.0	
	150:50:60	IMHP-1535	45.0	47.7	49.0	51.7	21.1	16.7
		MPC 1-15	46.5	50.0	51.5	53.0	25.4	15.0
		IMHP-1540	46.5	51.3	51.0	54.3	23.0	16.1
		SJPCI	45.5	47.0	52.0	50.7	23.7	15.1
		VL Amber Popcorn (C)	45.0	49.0	52.5	52.3	18.3	14.8
	200:60:80	IMHP-1535	45.5	47.7	49.5	51.3	23.1	15.9
		MPC 1-15	45.5	50.0	48.5	53.0	21.8	15.2
		IMHP-1540	45.5	50.3	50.0	53.7	22.2	15.4
		SJPCI	45.5	46.3	51.5	49.7	21.1	15.1
		VL Amber Popcorn (C)	45.5	47.0	51.5	50.0	19.2	15.6
Mean of location			45.6	48.7	50.3	51.9	22.2	15.4
83,000			45.8	48.7	50.2	51.8	22.8	15.2
1,00,000			45.4	48.6	50.3	52.0	21.5	15.5
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			1.4	1.5	0.5	0.5	2.7	7.8
State Recommendation			45.3		49.8		21.4	
150:50:60			45.5	49.4	50.6	52.7	22.4	15.6
200:60:80			46.1	47.9	50.5	51.1	22.7	15.1
CD at 5%			NS	0.8	0.5	1.0	NS	NS
CV (%)			1.7	2.1	1.1	2.6	11.9	7.3
IMHP-1535			45.0	48.4	49.2	52.0	23.3	16.9
MPC 1-15			45.4	49.8	49.4	52.9	23.8	15.0
IMHP-1540			46.4	50.3	51.3	53.3	21.9	16.1
SJPCI			45.7	47.2	50.8	50.4	21.9	14.2
VL Amber Popcorn (C)			45.6	47.7	50.7	50.8	20.0	14.7
CD at 5%			NS	1.3	1.0	1.4	1.9	0.7
CV (%)			2.5	3.2	2.4	3.2	10.3	5.3

Cont...

A-42

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Net returns (Rs./ha)		B:C ratio		Shoot fly/plot	Popping (%)
			Dharwad	Karimnagar	Dharwad	Karimnagar	Dharwad	Dharwad
83,000	State Recommendation	IMHP-1535	41977		2.68		2.50	17.5
		MPC 1-15	45180		2.81		3.50	23.0
		IMHP-1540	39799		2.59		0.50	24.0
		SJPCI	45578		2.82		1.50	22.0
		VL Amber Popcorn (C)	40085		2.60		1.50	25.0
	150:50:60	IMHP-1535	54430	85596	3.09	2.42	3.00	21.5
		MPC 1-15	51643	64495	2.99	2.07	4.50	23.0
		IMHP-1540	53219	76881	3.05	2.27	0.00	27.0
		SJPCI	64734	72104	3.49	2.19	1.50	28.5
		VL Amber Popcorn (C)	66781	35990	3.57	1.60	1.00	24.0
	200:60:80	IMHP-1535	52203	53399	2.83	1.85	1.00	29.0
		MPC 1-15	53115	71941	2.86	2.15	1.50	30.0
		IMHP-1540	50771	48117	2.78	1.77	1.50	30.0
		SJPCI	58956	75729	3.07	2.21	1.50	32.5
		VL Amber Popcorn (C)	59770	38478	3.10	1.62	1.50	23.0
1,00,000	State Recommendation	IMHP-1535	62281		3.49		2.50	19.0
		MPC 1-15	78200		4.13		1.00	27.5
		IMHP-1540	59283		3.37		0.00	23.5
		SJPCI	60926		3.44		0.50	27.5
		VL Amber Popcorn (C)	68525		3.74		2.50	25.0
	150:50:60	IMHP-1535	68188	63135	3.62	2.03	6.00	22.5
		MPC 1-15	77394	64980	3.98	2.06	0.00	28.5
		IMHP-1540	72490	77239	3.79	2.26	1.50	26.5
		SJPCI	68093	73620	3.62	2.20	3.00	27.0
		VL Amber Popcorn (C)	69319	40007	3.67	1.65	1.00	28.5
	200:60:80	IMHP-1535	69806	64977	3.45	2.02	2.00	29.0
		MPC 1-15	67975	78695	3.39	2.24	1.50	26.5
		IMHP-1540	70809	50703	3.48	1.80	2.00	25.5
		SJPCI	70063	51267	3.46	1.81	1.50	25.5
		VL Amber Popcorn (C)	76551	41919	3.69	1.66	1.50	28.5
Mean of location			60604.7	61463.6	3.29	1.99	1.77	25.7
83,000			51883	62273	2.96	2.01	1.77	25.3
1,00,000			69327	60654	3.62	1.97	1.77	26.0
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			30.3	49.0	22.1	24.7	0.0	16.6
State Recommendation			54183		3.17		1.60	23.4
150:50:60			64629	65405	3.49	2.07	2.15	25.7
200:60:80			63002	57523	3.21	1.91	1.55	28.0
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			25.2	32.8	17.8	16.6	63.3	19.0
IMHP-1535			58147	66777	3.19	2.08	2.83	23.1
MPC 1-15			62251	70028	3.36	2.13	2.00	26.4
IMHP-1540			57728	63235	3.18	2.02	0.92	26.1
SJPCI			61392	68180	3.32	2.10	1.58	27.2
VL Amber Popcorn (C)			63505	39098	3.39	1.63	1.50	25.7
CD at 5%			NS	17569.4	NS	0.3	0.8	NS
CV (%)			9.2	34.4	6.5	17.1	55.9	17.3

Cont...

A-43

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	Shelling (%)
			Karimnagar				
83,000	State Recommendation	IMHP-1535					
		MPC 1-15					
		IMHP-1540					
		SJPCI					
		VL Amber Popcorn (C)					
	150:50:60	IMHP-1535	16.6	11.2	12.7	31.0	75.6
		MPC 1-15	17.6	11.0	13.1	35.2	67.4
		IMHP-1540	17.0	10.8	13.2	31.7	77.4
		SJPCI	16.5	10.5	13.9	33.7	64.2
		VL Amber Popcorn (C)	15.7	10.8	12.1	29.3	72.7
	200:60:80	IMHP-1535	16.3	10.9	13.2	32.8	65.8
		MPC 1-15	16.9	12.3	13.5	34.9	65.2
		IMHP-1540	16.4	11.1	12.5	32.1	69.1
		SJPCI	16.4	10.8	12.9	32.3	74.3
		VL Amber Popcorn (C)	15.5	10.5	13.2	30.4	67.2
1,00,000	State Recommendation	IMHP-1535					
		MPC 1-15					
		IMHP-1540					
		SJPCI					
		VL Amber Popcorn (C)					
	150:50:60	IMHP-1535	15.9	11.1	12.9	32.9	69.3
		MPC 1-15	16.3	11.0	15.4	36.5	67.4
		IMHP-1540	15.8	10.9	12.7	32.8	74.5
		SJPCI	15.7	11.3	14.1	33.0	67.2
		VL Amber Popcorn (C)	14.4	10.4	12.7	29.3	69.9
	200:60:80	IMHP-1535	16.2	11.3	13.2	32.4	70.2
		MPC 1-15	16.6	10.8	12.9	33.0	73.3
		IMHP-1540	16.3	11.3	13.2	32.5	69.9
		SJPCI	15.6	10.9	14.3	30.8	63.2
		VL Amber Popcorn (C)	14.0	10.7	15.0	29.0	71.3
Mean of location			16.1	11.0	13.3	32.3	69.8
83,000			16.5	11.0	13.0	32.3	69.9
1,00,000			15.7	11.0	13.6	32.2	69.6
CD at 5%			0.8	NS	0.4	NS	NS
CV (%)			4.2	9.6	2.8	9.0	11.2
State Recommendation							
150:50:60			16.2	10.9	13.3	32.5	70.6
200:60:80			16.0	11.1	13.4	32.0	68.9
CD at 5%			NS	NS	NS	NS	NS
CV (%)			9.4	8.8	12.3	7.1	7.3
IMHP-1535			16.3	11.1	13.0	32.3	70.2
MPC 1-15			16.9	11.3	13.7	34.9	68.3
IMHP-1540			16.4	11.0	12.9	32.3	72.7
SJPCI			16.0	10.9	13.8	32.5	67.2
VL Amber Popcorn (C)			14.9	10.6	13.3	29.5	70.3
CD at 5%			0.8	NS	NS	2.2	NS
CV (%)			6.0	6.3	8.6	8.2	6.9

Table 12: Performance of pre release popcorn genotypes in *Kharif* under varying planting density and nutrients levels in Central West Zone (CWZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Grain yield (kg/ha)		Stover yield (kg/ha)		Plants ('000/ha)	
			Chhindwara	Godhra	Chhindwara	Godhra	Chhindwara	Godhra
66,000	150:50:60	IMHP-1535	2528	3500	3050	5167	63.2	57.3
		MPC 1-15	4220	3067	6794	5900	63.2	53.3
		IMHP-1540	3046	2933	4336	4933	57.6	59.0
		SJPCI	3317	3367	5341	9467	63.9	59.3
		VL Amber Popcorn (C)	3588	3167	4999	5300	61.8	63.3
	200:60:80	IMHP-1535	3441	3367	4898	6600	64.6	56.3
		MPC 1-15	4784	3333	8707	7667	64.6	56.3
		IMHP-1540	3678	2967	5701	5667	61.8	52.0
		SJPCI	3949	3200	6845	7500	65.3	55.0
		VL Amber Popcorn (C)	3949	2667	5910	6067	63.9	60.0
83,000	150:50:60	IMHP-1535	3137	4000	3764	6300	82.6	63.0
		MPC 1-15	4716	2933	7436	7167	79.2	71.0
		IMHP-1540	3317	3700	4500	6400	79.8	67.3
		SJPCI	3791	4267	5548	10067	79.2	71.7
		VL Amber Popcorn (C)	3814	2367	5174	5100	76.4	66.7
	200:60:80	IMHP-1535	3678	4067	4978	8233	85.4	66.7
		MPC 1-15	5269	2500	9502	6267	82.6	59.7
		IMHP-1540	3859	3433	5377	7300	85.4	69.7
		SJPCI	4333	3267	7279	7867	81.2	62.3
		VL Amber Popcorn (C)	4197	3500	5946	4967	81.9	67.0
Mean of location			3830.6	3280.0	5804.2	6696.7	72.2	61.9
66,000			3650	3157	5658	6427	63.0	57.2
83,000			4011	3403	5950	6967	81.4	66.5
CD at 5%			357.7	57.4	NS	NS	3.9	3.2
CV (%)			8.4	1.6	10.1	20.1	4.9	4.7
150:50:60			3547	3330	5094	6580	70.7	63.2
200:65:80			4114	3230	6514	6813	73.7	60.5
CD at 5%			330.3	NS	479.6	NS	NS	NS
CV (%)			12.0	47.1	11.5	51.4	6.8	15.2
IMHP-1535			3196	3733	4173	6575	73.9	60.8
MPC 1-15			4747	2958	8110	6750	72.4	60.1
IMHP-1540			3475	3258	4979	6075	71.2	62.0
SJPCI			3847	3525	6253	8725	72.4	62.1
VL Amber Popcorn (C)			3887	2925	5507	5358	71.0	64.3
CD at 5%			455.4	464.8	696.6	881.1	NS	NS
CV (%)			14.3	17.0	14.4	15.8	5.4	11.3

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A-45

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Cobs ('000/ha)		Plant height (cm)		Days 50% tasseling	
			Chhindwara	Godhra	Chhindwara	Godhra	Chhindwara	Godhra
66,000	150:50:60	IMHP-1535	66.7	53.3	120.7	148.7	55.0	50.3
		MPC 1-15	71.5	44.0	161.0	164.7	55.7	49.7
		IMHP-1540	69.4	49.7	142.3	147.7	54.7	49.7
		SJPCI	70.8	47.7	161.0	188.3	55.3	51.0
		VL Amber Popcorn (C)	72.2	56.0	139.3	155.7	55.0	50.0
	200:60:80	IMHP-1535	70.1	51.0	142.3	148.0	54.3	50.3
		MPC 1-15	72.9	48.0	182.0	175.3	55.3	52.0
		IMHP-1540	75.0	43.0	155.0	152.7	54.3	50.3
		SJPCI	74.3	51.0	173.3	190.3	55.0	52.0
		VL Amber Popcorn (C)	73.6	46.7	149.7	150.7	53.7	50.0
83,000	150:50:60	IMHP-1535	79.2	59.7	120.0	148.3	55.7	51.3
		MPC 1-15	85.4	52.0	157.7	165.3	56.0	51.0
		IMHP-1540	86.1	62.3	135.7	151.0	55.3	51.0
		SJPCI	77.8	64.0	146.3	183.0	55.3	51.3
		VL Amber Popcorn (C)	87.5	53.0	135.7	149.3	55.0	50.0
	200:60:80	IMHP-1535	83.3	62.3	135.3	148.7	54.7	51.3
		MPC 1-15	87.5	47.7	180.3	170.0	55.7	51.3
		IMHP-1540	92.3	54.3	139.3	154.7	55.0	51.3
		SJPCI	92.3	54.7	168.0	177.7	54.7	52.7
		VL Amber Popcorn (C)	91.7	56.7	141.7	147.3	54.3	51.0
Mean of location			79.0	52.9	149.3	160.9	55.0	50.9
66,000			71.7	49.0	152.7	162.2	54.8	50.5
83,000			86.3	56.7	146.0	159.5	55.2	51.2
CD at 5%			10.9	4.4	2.1	NS	NS	0.0
CV (%)			12.5	7.5	1.3	6.4	3.7	0.0
150:50:60			76.7	54.2	142.0	160.2	55.3	50.5
200:65:80			81.3	51.5	156.7	161.5	54.7	51.2
CD at 5%			NS	NS	6.2	NS	0.5	NS
CV (%)			15.5	21.8	5.8	13.3	1.3	2.7
IMHP-1535			74.8	56.6	129.6	148.4	54.9	50.8
MPC 1-15			79.3	47.9	170.3	168.8	55.7	51.0
IMHP-1540			80.7	52.3	143.1	151.5	54.8	50.6
SJPCI			78.8	54.3	162.2	184.8	55.1	51.8
VL Amber Popcorn (C)			81.2	53.1	141.6	150.8	54.5	50.3
CD at 5%			NS	5.0	5.3	5.0	0.5	0.9
CV (%)			12.2	11.4	4.3	3.7	1.1	2.1

Cont...

A-46

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Days 50% Silking		Net returns (Rs./ha)		B:C ratio	
			Chhindwara	Godhra	Chhindwara	Godhra	Chhindwara	Godhra
66,000	150:50:60	IMHP-1535	57.0	55.3	27453	74256	1.05	3.82
		MPC 1-15	57.7	54.3	65040	66006	2.49	3.51
		IMHP-1540	56.7	54.7	39114	58506	1.50	3.23
		SJPCI	57.0	56.0	45534	82506	1.74	4.14
		VL Amber Popcorn (C)	56.7	54.7	50609	67006	1.94	3.55
	200:60:80	IMHP-1535	55.7	55.0	45624	73434	1.62	3.62
		MPC 1-15	57.3	57.0	76286	73684	2.71	3.62
		IMHP-1540	56.7	55.7	51166	61184	1.82	3.18
		SJPCI	56.3	57.3	57725	70684	2.05	3.52
		VL Amber Popcorn (C)	54.7	54.7	56791	54684	2.02	2.95
83,000	150:50:60	IMHP-1535	57.3	56.7	39547	89506	1.47	4.41
		MPC 1-15	58.0	57.0	74811	64256	2.78	3.45
		IMHP-1540	56.7	56.0	43894	82256	1.63	4.13
		SJPCI	57.3	56.7	54419	106506	2.02	5.06
		VL Amber Popcorn (C)	56.7	54.7	54496	56506	2.02	3.15
	200:60:80	IMHP-1535	56.0	56.0	49642	94934	1.72	4.38
		MPC 1-15	57.0	56.0	85984	50184	2.98	2.79
		IMHP-1540	56.3	56.3	53652	75184	1.86	3.68
		SJPCI	56.0	57.7	65032	74184	2.25	3.64
		VL Amber Popcorn (C)	55.0	56.0	60991	71934	2.11	3.56
Mean of location			56.6	55.9	54890.5	72370.0	1.99	3.67
66,000			56.6	55.5	51534	68195	1.89	3.51
83,000			56.6	56.3	58247	76545	2.08	3.83
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			2.6	2.3	12.8	13.0		
150:50:60			57.1	55.6	49492	74731	1.86	3.85
200:65:80			56.1	56.2	60289	70009	2.11	3.49
CD at 5%			0.6	NS	7084.3	NS	NS	NS
CV (%)			1.5	3.4	18.0	18.3		
IMHP-1535			56.5	55.8	40567	83033	1.46	4.06
MPC 1-15			57.5	56.1	75530	63533	2.74	3.34
IMHP-1540			56.6	55.7	46956	69283	1.70	3.56
SJPCI			56.7	56.9	55678	83470	2.02	4.09
VL Amber Popcorn (C)			55.8	55.0	55722	62533	2.02	3.30
CD at 5%			0.7	1.0	9802.2	0.4	0.4	0.4
CV (%)			1.4	2.2	21.5	21.7		

Cont...

A-47

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	100-seed weight (gm)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
			Godhra	Chhindwara	Chhindwara	Chhindwara	Chhindwara
66,000	150:50:60	IMHP-1535	17.3	14.0	9.2	12.7	34.7
		MPC 1-15	14.7	12.4	9.7	12.0	30.7
		IMHP-1540	16.0	11.3	9.6	12.7	32.3
		SJPCI	15.3	13.2	9.7	12.7	33.3
		VL Amber Popcorn (C)	14.3	12.0	9.3	12.7	28.3
	200:60:80	IMHP-1535	16.3	14.1	10.2	12.7	37.0
		MPC 1-15	14.7	13.7	10.2	14.0	40.3
		IMHP-1540	16.0	12.9	10.5	14.0	33.3
		SJPCI	14.7	14.3	11.2	13.3	35.3
		VL Amber Popcorn (C)	14.0	12.6	10.3	13.3	31.7
83,000	150:50:60	IMHP-1535	16.3	14.0	9.4	12.7	35.7
		MPC 1-15	14.7	14.3	10.0	13.3	38.0
		IMHP-1540	14.0	12.8	10.2	13.3	31.3
		SJPCI	14.7	14.2	10.4	13.3	34.7
		VL Amber Popcorn (C)	13.3	12.4	10.0	12.7	29.7
	200:60:80	IMHP-1535	16.0	16.5	10.5	13.3	40.0
		MPC 1-15	12.7	15.4	11.5	14.7	40.3
		IMHP-1540	16.3	14.3	10.9	14.0	37.0
		SJPCI	13.3	15.1	11.2	14.0	35.7
		VL Amber Popcorn (C)	16.7	12.9	11.4	13.3	33.7
Mean of location			15.1	13.6	10.3	13.2	34.7
66,000			15.3	13.0	10.0	13.0	33.7
83,000			14.8	14.2	10.6	13.5	35.6
CD at 5%			NS	NS	0.3	NS	NS
CV (%)			26.1	13.6	2.3	3.9	10.7
150:50:60			15.1	13.1	9.8	12.8	32.9
200:65:80			15.1	14.2	10.8	13.7	36.4
CD at 5%			NS	0.7	0.2	NS	2.3
CV (%)			14.4	7.2	2.9	11.4	9.1
IMHP-1535			16.5	14.7	9.8	12.8	36.8
MPC 1-15			14.2	13.9	10.4	13.5	37.3
IMHP-1540			15.6	12.8	10.3	13.5	33.5
SJPCI			14.5	14.2	10.7	13.3	34.8
VL Amber Popcorn (C)			14.6	12.5	10.2	13.0	30.8
CD at 5%			1.5	0.8	0.3	NS	2.2
CV (%)			12.0	7.1	3.8	9.0	7.8

Table 13: Performance of pre release sweet corn genotypes in *Kharif* under varying planting density and nutrients levels in Northern Hill Zone (NHZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Green cob yield (kg/ha)		Green fodder yield (kg/ha)		Plants ('000/ha)	
			Almora	Imphal	Almora	Imphal	Almora	Imphal
66,000	State Recommendation (80:30:40 Imphal)	AKSH4		11183		22021		57.3
		FSCH75		11623		9858		47.6
		Madhuri Sweet Corn (C)		6322		7135		52.8
		Priya Sweet Corn (C)		5947		10625		55.6
		WOSC (C)		8065		11125		57.6
		BSCH 6						
	150:50:60	AKSH4	14313	7556	19352	20868	83.3	49.3
		FSCH75	14891	9493	14161	9938	83.3	45.1
		Madhuri Sweet Corn (C)	12011	5598	16826	11826	83.3	51.0
		Priya Sweet Corn (C)	16028	6084	18689	12892	83.3	58.3
		WOSC (C)	15008	7545	18257	12913	83.3	51.0
		BSCH 6	15382		21371		83.3	
	200:60:80	AKSH4	19637	6898	26583	21924	83.3	47.9
		FSCH75	18423	10084	20625	10306	83.3	49.7
		Madhuri Sweet Corn (C)	17151	5414	19479	12490	83.3	45.1
		Priya Sweet Corn (C)	16968	5636	19418	11285	83.3	49.0
		WOSC (C)	18092	6096	22582	13181	83.3	54.9
		BSCH 6	17496		24251		83.3	
83,000	State Recommendation	AKSH4		11811		20063		55.9
		FSCH75		5922		8413		52.8
		Madhuri Sweet Corn (C)		11905		14531		55.9
		Priya Sweet Corn (C)		6141		12229		60.8
		WOSC (C)		8998		13750		61.8
		BSCH 6						
	150:50:60	AKSH4	13072	12564	19442	16337	100.0	70.8
		FSCH75	16855	6799	15778	8295	100.0	55.6
		Madhuri Sweet Corn (C)	17074	5910	21532	16229	100.0	53.5
		Priya Sweet Corn (C)	14031	5759	19097	15389	100.0	52.4
		WOSC (C)	11884	6536	16163	12583	100.0	67.0
		BSCH 6	12709		20454		100.0	
	200:60:80	AKSH4	19339	11502	27427	18201	100.0	64.9
		FSCH75	19894	6586	19939	11813	100.0	50.7
		Madhuri Sweet Corn (C)	17103	9214	20071	14014	100.0	54.5
		Priya Sweet Corn (C)	16619	5286	19611	13729	100.0	50.3
		WOSC (C)	17949	8854	23467	15458	100.0	66.7
		BSCH 6	16414		25783		100.0	
Mean of location			16180.9	7911.0	20431.6	13647.3	91.7	54.9
66,000			16283	7570	20133	13226	83.3	51.5
83,000			16079	8252	20730	14069	100.0	58.2
CD at 5%			NS	NS	NS	NS	0.0	NS
CV (%)			16.7	22.8	18.3	22.3	0.0	24.6
State Recommendation				8792		12975		55.8
150:60:60			14438	7384	18427	13727	91.7	55.4
200:65:80			17924	7557	22436	14240	91.7	53.4
CD at 5%			698.6	346.9	655.5	NS	NS	NS
CV (%)			6.6	7.4	4.9	17.2	0.0	8.3
AKSH4			16590	10252	23201	19902	91.7	57.7
FSCH75			17516	8418	17626	9770	91.7	50.2
Madhuri Sweet Corn (C)			15835	7394	19477	12704	91.7	52.1
Priya Sweet Corn (C)			15912	5809	19204	12692	91.7	54.4
WOSC (C)			15733	7682	20117	13168	91.7	59.8
BSCH 6			15500		22965		91.7	
CD at 5%			1176.5	631.3	1225.5	1573.8	0.0	4.3
CV (%)			8.8	11.9	7.3	17.2	0.0	11.7

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Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Cobs ('000/ha)		Plant height (cm)		Days 50% tasseling	
			Almora	Imphal	Almora	Imphal	Almora	Imphal
66,000	State Recommendation	AKSH4		56.2		228.4		52.7
		FSCH75		46.4		208.9		52.3
		Madhuri Sweet Corn (C)		52.2		189.7		48.3
		Priya Sweet Corn (C)		55.0		181.9		49.3
		WOSC (C)		56.8		206.1		51.3
		BSCH 6						
	150:50:60	AKSH4	78.3	48.6	200.3	234.3	60.3	53.3
		FSCH75	81.9	44.2	168.9	174.0	58.0	51.0
		Madhuri Sweet Corn (C)	72.0	50.5	182.7	196.1	56.3	48.7
		Priya Sweet Corn (C)	85.5	57.7	178.9	194.5	55.0	49.3
		WOSC (C)	82.6	50.3	196.2	221.1	56.7	50.3
		BSCH 6	73.4		176.3		63.3	
	200:60:80	AKSH4	81.3	47.2	216.7	238.9	58.3	52.0
		FSCH75	88.8	48.7	173.8	190.5	57.3	50.7
		Madhuri Sweet Corn (C)	86.2	44.6	186.1	203.9	54.3	49.0
		Priya Sweet Corn (C)	87.6	48.4	190.3	199.6	53.7	49.3
		WOSC (C)	89.0	54.3	212.3	216.3	56.0	51.0
		BSCH 6	73.5		187.3		60.3	
83,000	State Recommendation	AKSH4		54.7		219.2		52.0
		FSCH75		52.2		191.1		50.7
		Madhuri Sweet Corn (C)		54.7		192.9		48.3
		Priya Sweet Corn (C)		60.2		183.3		48.0
		WOSC (C)		60.9		215.5		49.7
		BSCH 6						
	150:50:60	AKSH4	90.4	69.6	195.1	229.3	62.0	52.7
		FSCH75	93.8	54.9	168.0	182.9	57.7	50.7
		Madhuri Sweet Corn (C)	97.2	52.9	189.3	204.3	55.3	48.7
		Priya Sweet Corn (C)	93.1	51.9	182.7	188.6	57.3	47.3
		WOSC (C)	86.4	66.4	192.4	211.1	59.7	50.3
		BSCH 6	83.8		171.8		62.3	
	200:60:80	AKSH4	94.0	63.8	216.9	230.4	59.3	52.7
		FSCH75	106.1	50.0	184.7	202.8	56.0	50.3
		Madhuri Sweet Corn (C)	96.6	53.6	198.9	171.1	55.3	48.7
		Priya Sweet Corn (C)	96.6	49.8	189.0	174.9	55.0	48.0
		WOSC (C)	96.7	65.8	214.5	225.4	55.7	49.3
		BSCH 6	84.5		184.6		61.7	
Mean of location			87.5	54.1	189.9	203.6	57.8	50.2
66,000			81.7	50.7	189.2	205.6	57.5	50.6
83,000			93.3	57.4	190.7	201.5	58.1	49.8
CD at 5%			4.6	NS	NS	NS	NS	NS
CV (%)			5.2	24.6	3.6	29.2	2.4	2.4
State Recommendation				54.9		201.7		50.3
150:60:60			84.9	54.7	183.6	203.6	58.7	50.2
200:65:80			90.1	52.6	196.3	205.4	56.9	50.1
CD at 5%			1.2	NS	6.5	NS	1.1	NS
CV (%)			2.2	8.4	5.2	11.5	3.0	4.2
AKSH4			86.0	56.7	207.3	230.1	60.0	52.6
FSCH75			92.7	49.4	173.9	191.7	57.3	50.9
Madhuri Sweet Corn (C)			88.0	51.4	189.3	193.0	55.3	48.6
Priya Sweet Corn (C)			90.7	53.8	185.2	187.1	55.3	48.6
WOSC (C)			88.7	59.1	203.9	215.9	57.0	50.3
BSCH 6			78.8		180.0		61.9	
CD at 5%			3.3	4.2	6.8	10.1	1.1	1.2
CV (%)			4.6	11.7	4.3	7.4	2.4	3.6

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A-50

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Days 50% silking		Net returns (Rs./ha)	B:C ratio	TSS (%)	TLB (0-9 scale score)	MLB (0-9 scale score)
			Almora	Imphal						Almora
66,000	State Recommendation	AKSH4		55.0					
		FSCH75		54.7					
		Madhuri Sweet Corn (C)		50.7					
		Priya Sweet Corn (C)		51.7					
		WOSC (C)		54.0					
		BSCH 6							
	150:50:60	AKSH4	62.3	55.7	320029	6.0	18.9	7.0	1.7
		FSCH75	60.3	53.3	330221	6.2	17.6	2.7	3.0
		Madhuri Sweet Corn (C)	59.0	51.3	260608	4.9	17.9	2.3	3.7
		Priya Sweet Corn (C)	57.7	51.7	362186	6.8	18.6	2.7	3.3
		WOSC (C)	60.0	52.7	336406	6.3	18.1	3.7	3.7
		BSCH 6	65.3		348499	6.6	17.6	1.3	2.7
	200:60:80	AKSH4	61.0	54.3	457289	8.3	18.7	6.7	1.3
		FSCH75	59.7	53.0	421968	7.7	17.0	1.7	3.0
		Madhuri Sweet Corn (C)	57.0	51.3	389332	7.1	18.5	2.0	3.7
		Priya Sweet Corn (C)	56.3	51.7	384667	7.0	19.7	2.3	3.0
		WOSC (C)	58.3	53.3	415275	7.5	19.2	2.3	4.0
		BSCH 6	62.3		402110	7.4	17.4	2.0	1.3
83,000	State Recommendation	AKSH4		54.3					
		FSCH75		53.0					
		Madhuri Sweet Corn (C)		50.7					
		Priya Sweet Corn (C)		50.3					
		WOSC (C)		52.3					
		BSCH 6							
	150:50:60	AKSH4	64.7	55.0	286248	5.1	20.6	8.0	1.3
		FSCH75	59.7	53.0	377808	6.7	16.4	2.7	4.3
		Madhuri Sweet Corn (C)	58.3	51.3	387797	6.9	17.9	2.7	3.7
		Priya Sweet Corn (C)	59.3	49.7	309885	5.5	19.4	3.3	4.3
		WOSC (C)	62.0	52.7	254027	4.5	18.9	4.3	3.7
		BSCH 6	64.3		278162	5.0	18.6	2.3	2.7
	200:60:80	AKSH4	61.3	55.0	447682	7.8	18.8	7.3	1.3
		FSCH75	58.0	52.7	455250	7.8	18.3	1.7	4.3
		Madhuri Sweet Corn (C)	57.7	51.0	385839	6.7	16.7	1.7	3.3
		Priya Sweet Corn (C)	58.0	50.3	373370	6.5	18.8	3.0	3.0
		WOSC (C)	59.0	51.7	409713	7.1	19.4	4.0	4.3
		BSCH 6	64.0		373497	6.5	16.6	2.3	1.7
Mean of location			60.2	52.6	365327.9	6.6	18.3	3.3	3.0
66,000			59.9	53.0	369049	6.8	18.3	3.1	2.9
83,000			60.5	52.2	361607	6.3	18.4	3.6	3.2
CD at 5%			NS	NS	NS	NS	NS	0.4	NS
CV (%)			2.7	2.8	19.2	18.5	9.4	12.7	25.6
State Recommendation				52.7					
150:60:60			61.1	52.6	320990	5.9	18.4	3.6	3.2
200:65:80			59.4	52.4	409666	7.3	18.2	3.1	2.9
CD at 5%			1.2	NS	17893.6	0.3	NS	0.4	0.3
CV (%)			2.9	4.6	7.5	7.5	9.6	19.0	14.1
AKSH4			62.3	54.9	377812	6.8	19.2	7.3	1.4
FSCH75			59.4	53.3	396312	7.1	17.3	2.2	3.7
Madhuri Sweet Corn (C)			58.0	51.1	355894	6.4	17.7	2.2	3.6
Priya Sweet Corn (C)			57.8	50.9	357527	6.4	19.1	2.8	3.4
WOSC (C)			59.8	52.8	353855	6.4	18.9	3.6	3.9
BSCH 6			64.0		350567	6.3	17.5	2.0	2.1
CD at 5%			1.2	1.3	29930.8	0.5	1.0	0.5	0.4
CV (%)			2.3	3.6	9.9	9.8	6.7	17.4	16.8

TSS = Total soluble solids, TLB = Turcicum Leaf Blight, MLB = Maydis Leaf Blight

Table 14: Performance of prerelease sweet corn genotypes in Kharif under varying planting density and nutrients levels in North West Plain Zone (NWPZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Green cob yields (kg/ha)		Green fodder yield (kg/ha)		Plants ('000/ha)		Cobs ('000/ha)
			Delhi	Pantnagar	Pantnagar	Delhi	Delhi	Pantnagar	Pantnagar
66,000	State Recommendation	AKSH4	4000			5180	58.9		
		Madhuri Sweet Corn (C)	5810			7830	56.7		
		Priya Sweet Corn (C)	9390			10850	58.3		
		WOSC (C)	4220			5000	55.0		
	150:50:60	AKSH4	5165	12667	19356	6525	61.1	58.9	56.7
		Madhuri Sweet Corn (C)	8650	10333	16033	10990	58.9	56.7	54.4
		Priya Sweet Corn (C)	6055	6000	11700	7275	58.3	57.8	56.7
		WOSC (C)	6610	8417	18344	7830	59.4	62.2	61.1
	200:60:80	AKSH4	4615	12917	20222	5995	52.8	57.8	56.7
		Madhuri Sweet Corn (C)	7555	10833	16756	8775	58.3	57.8	57.8
		Priya Sweet Corn (C)	3330	6500	12711	4145	57.8	56.7	55.6
		WOSC (C)	4945	8500	18633	5665	54.5	58.9	58.9
83,000	State Recommendation	AKSH4	4610			5130	68.1		
		Madhuri Sweet Corn (C)	4055			4905	69.2		
		Priya Sweet Corn (C)	5890			7200	71.4		
		WOSC (C)	8555			10225	74.7		
	150:50:60	AKSH4	3670	13216	20417	4685	67.0	74.8	73.7
		Madhuri Sweet Corn (C)	5640	10710	16806	6800	73.0	74.8	70.5
		Priya Sweet Corn (C)	7390	6490	15139	7165	73.6	76.9	75.9
		WOSC (C)	6665	8654	19028	7915	73.0	74.8	74.8
	200:60:80	AKSH4	5055	13429	22222	6470	71.9	74.8	73.7
		Madhuri Sweet Corn (C)	6610	10951	17500	8155	71.9	74.8	71.6
		Priya Sweet Corn (C)	6390	6800	15972	7680	70.8	74.8	74.8
		WOSC (C)	4055	9087	19722	4945	61.4	73.7	71.6
Mean of location			5788.8	9719.0	17535.1	6972.3	64.0	66.6	65.3
66,000			5862	9521	16719	7172	57.5	58.3	57.2
83,000			5715	9917	18351	6773	70.5	74.9	73.3
CD at 5%			NS	NS	NS	NS	6.6	5.4	9.4
CV (%)			2.6	13.5	19.8	17.1	2.8	6.5	11.5
State Recommendation			5816			7040	64.0		
150:50:60			6231	9561	17103	7398	65.5	67.1	65.5
200:60:80			5319	9877	17967	6371	64.3	66.1	65.1
CD at 5%			NS	NS	603.6	NS	NS	NS	NS
CV (%)			25.5	7.6	4.3	30.5	10.5	7.5	8.8
AKSH4			4519	13057	20554	5664	63.3	66.6	65.2
Madhuri Sweet Corn (C)			6387	10707	16774	7909	64.7	66.0	63.6
Priya Sweet Corn (C)			6408	6448	13881	7386	65.0	66.5	65.7
WOSC (C)			5842	8664	18932	6930	63.0	67.4	66.6
CD at 5%			1427.3	706.1	1338.5	1503.3	NS	NS	NS
CV (%)			28.7	8.6	9.1	25.1	12.2	4.6	6.3

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A-52

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Plant height (cm)	Days to 50% tasseling	Days to 50% silking		Net returns (Rs./ha)	B:C ratio	Total soluble solids (%)
			Pantnagar	Delhi	Pantnagar				
66,000	State Recommendation	AKSH4			47.5				
		Madhuri Sweet Corn (C)			53.0				
		Priya Sweet Corn (C)			51.5				
		WOSC (C)			56.5				
	150:50:60	AKSH4	129.4	50.0	48.5	53.3	142940	3.04	16.7
		Madhuri Sweet Corn (C)	110.8	50.7	51.0	53.3	107940	2.29	15.0
		Priya Sweet Corn (C)	103.7	49.7	50.0	53.0	42940	0.91	14.7
		WOSC (C)	118.9	50.7	54.0	53.3	79190	1.68	15.3
	200:60:80	AKSH4	134.9	49.7	51.0	53.0	145225	2.99	16.3
		Madhuri Sweet Corn (C)	111.4	51.0	50.0	54.3	113975	2.35	14.7
		Priya Sweet Corn (C)	105.7	49.3	49.5	52.7	48975	1.01	15.0
		WOSC (C)	121.1	51.0	57.0	54.7	78975	1.63	15.1
83,000	State Recommendation	AKSH4			51.0				
		Madhuri Sweet Corn (C)			51.0				
		Priya Sweet Corn (C)			51.5				
		WOSC (C)			56.0				
	150:50:60	AKSH4	130.6	49.0	48.0	52.3	146177	2.81	16.4
		Madhuri Sweet Corn (C)	115.4	51.0	50.0	54.7	108597	2.09	15.1
		Priya Sweet Corn (C)	105.6	50.7	51.5	53.7	45296	0.87	14.9
		WOSC (C)	120.5	51.7	55.0	55.3	77748	1.49	15.4
	200:60:80	AKSH4	135.8	49.0	49.0	52.3	147917	2.76	16.7
		Madhuri Sweet Corn (C)	116.2	49.3	49.5	52.7	110738	2.07	14.7
		Priya Sweet Corn (C)	106.7	49.7	50.5	53.3	48478	0.91	15.1
		WOSC (C)	122.0	50.7	55.5	54.3	82773	1.55	16.1
Mean of location			118.0	50.2	51.6	53.5	95492.8	1.90	15.4
66,000			117.0	50.3	51.6	53.5	95020	1.99	15.3
83,000			119.1	50.1	51.5	53.6	95966	1.82	15.6
CD at 5%			NS	NS	NS	NS	NS	NS	NS
CV (%)			21.8	4.1	2.2	4.2	20.6	20.6	18.8
State Recommendation					52.3				
150:50:60			116.9	50.4	51.0	53.6	93853	1.90	15.4
200:60:80			119.2	50.0	51.5	53.4	97132	1.91	15.5
CD at 5%			NS	NS	NS	NS	NS	NS	NS
CV (%)			5.3	2.2	2.4	2.3	11.6	11.5	6.1
AKSH4			132.7	49.4	49.2	52.8	145565	2.90	16.5
Madhuri Sweet Corn (C)			113.4	50.5	50.8	53.8	110312	2.20	14.9
Priya Sweet Corn (C)			105.4	49.8	50.8	53.2	46422	0.92	14.9
WOSC (C)			120.6	51.0	55.7	54.4	79671	1.59	15.5
CD at 5%			8.3	0.6	1.2	1.0	10591.9	0.2	1.3
CV (%)			8.4	1.5	2.6	2.1	13.2	13.5	9.6

Table 15: Performance of pre release sweet corn genotypes in *Kharif* under varying planting density and nutrients levels in North East Plain Zone (NEPZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Green fodder yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)
			Kalyani				
66,000	150:50:60	AKSH4	10572	7844	65.0	64.7	204.8
		Madhuri Sweet Corn (C)	11403	9703	62.3	61.8	204.0
		Priya Sweet Corn (C)	14407	8670	63.0	62.7	175.3
		WOSC (C)	9573	8100	63.3	63.0	193.8
	200:60:80	AKSH4	15010	10067	66.0	65.5	207.3
		Madhuri Sweet Corn (C)	11555	9390	65.7	65.2	180.7
		Priya Sweet Corn (C)	11730	9556	63.7	63.3	192.7
83,000	150:50:60	AKSH4	15820	14487	82.7	82.3	215.3
		Madhuri Sweet Corn (C)	13647	10697	79.7	79.4	196.7
		Priya Sweet Corn (C)	12233	7714	81.0	80.5	207.3
		WOSC (C)	11039	10337	82.7	82.3	202.7
	200:60:80	AKSH4	18983	15733	82.5	82.3	222.0
		Madhuri Sweet Corn (C)	14543	11630	81.0	80.5	186.7
		Priya Sweet Corn (C)	13996	11610	80.3	79.5	207.7
		WOSC (C)	15547	14840	82.7	82.2	207.3
Mean of location			13324	10555	72.9	72.5	200.2
66,000			12171	8979	64.3	63.9	194.7
83,000			14476	12131	81.6	81.1	205.7
CD at 5%			NS	1725.6	2.6	2.8	2.0
CV (%)			31.4	13.2	2.8	3.1	0.8
150:50:60			12337	9694	72.5	72.1	200.0
200:60:80			14311	11416	73.4	72.9	200.4
CD at 5%			NS	NS	0.6	0.7	NS
CV (%)			35.5	47.3	1.1	1.2	10.0
AKSH4			15096	12033	74.0	73.7	212.4
Madhuri Sweet Corn (C)			12787	10355	72.2	71.7	192.0
Priya Sweet Corn (C)			13092	9388	72.0	71.5	195.7
WOSC (C)			12320	10445	73.5	73.1	200.6
CD at 5%			NS	1719.3	NS	1.6	NS
CV (%)			19.7	19.3	2.8	2.7	10.2

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A-54

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Days to 50% tasseling	Days to 50% silking	Net returns (Rs./ha)	B:C ratio	Total soluble solids (%)
			Kalyani				
66,000	150:50:60	AKSH4	39.3	41.3	29468	1.45	10.5
		Madhuri Sweet Corn (C)	39.0	42.0	46837	1.72	10.4
		Priya Sweet Corn (C)	40.0	42.3	47580	1.73	10.4
		WOSC (C)	39.3	42.0	28520	1.44	10.5
	200:60:80	AKSH4	39.0	41.0	58563	1.87	10.6
		Madhuri Sweet Corn (C)	40.7	43.0	48956	1.62	10.3
		Priya Sweet Corn (C)	40.7	43.7	44638	1.67	10.6
		WOSC (C)	41.0	43.0	49343	1.74	10.6
83,000	150:50:60	AKSH4	38.7	41.3	98359	2.51	10.6
		Madhuri Sweet Corn (C)	40.0	42.7	61513	1.94	10.5
		Priya Sweet Corn (C)	39.7	42.3	33412	1.51	10.2
		WOSC (C)	40.3	43.3	50809	1.78	10.4
	200:60:80	AKSH4	39.0	41.7	116483	2.73	10.8
		Madhuri Sweet Corn (C)	39.0	42.0	69667	2.04	10.6
		Priya Sweet Corn (C)	39.7	42.0	68535	2.01	10.2
		WOSC (C)	39.3	41.7	99027	2.47	10.3
Mean of location			39.7	42.2	59482	1.9	10.5
66,000			39.9	42.3	44238	1.65	10.5
83,000			39.5	42.1	74726	2.12	10.5
CD at 5%			NS	NS	27150.6	0.4	NS
CV (%)			1.0	1.4	36.7	15.7	2.1
150:50:60			39.5	42.2	49562	1.76	10.4
200:60:80			39.8	42.3	69402	2.02	10.5
CD at 5%			NS	NS	NS	NS	NS
CV (%)			1.0	1.4	89.4	42.3	2.5
AKSH4			39.0	41.3	75718	2.14	10.7
Madhuri Sweet Corn (C)			39.7	42.4	56743	1.83	10.5
Priya Sweet Corn (C)			40.0	42.6	48541	1.73	10.4
WOSC (C)			40.0	42.5	56925	1.86	10.4
CD at 5%			0.8	0.9	NS	0.3	NS
CV (%)			2.4	2.6	38.9	17.8	2.4

Table 16: Performance of pre release sweet corn genotypes in *Kharif* under varying planting density and nutrients levels in Peninsular Zone (PZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Green cob yield with husk (kg/ha)		Green cob yield without husk (kg/ha)	Green fodder yield (kg/ha)		Plants ('000/ha)	
			Karimnagar	Vagarai	Karimnagar	Karimnagar	Vagarai	Karimnagar	Vagarai
83,000	150:50:60	AKSH4	8536	9486	5328	16629	20256	79.3	65.8
		FSCH75	6391	6626	4623	11426	5510	73.7	64.4
		Madhuri Sweet Corn (C)	6525	5581	4657	12370	8918	67.7	58.6
		Priya Sweet Corn (C)	6542	5242	4932	12315	7973	76.3	61.7
		WOSC (C)	6095	6522	4277	13370	12874	76.3	62.2
	200:60:80	AKSH4	9800	7552	7102	16955	21419	81.7	70.0
		FSCH75	6192	7320	4718	10444	6218	72.0	66.7
		Madhuri Sweet Corn (C)	6629	6480	5081	12259	9765	69.3	58.9
		Priya Sweet Corn (C)	6148	5084	4528	15000	7336	76.3	67.2
		WOSC (C)	6151	6594	4345	13296	9129	82.3	58.3
1,00,000	150:50:60	AKSH4	9333	9521	6621	20204	23756	85.0	77.2
		FSCH75	6151	10204	4507	8778	6902	80.7	78.6
		Madhuri Sweet Corn (C)	5672	6738	3821	12778	10164	76.0	68.1
		Priya Sweet Corn (C)	6082	6049	4488	12630	8373	79.0	68.1
		WOSC (C)	6193	6331	4206	13481	12595	80.7	73.6
	200:60:80	AKSH4	8456	10494	5919	17685	23290	85.0	82.8
		FSCH75	6589	9264	4928	10000	9391	76.0	77.2
		Madhuri Sweet Corn (C)	6200	6847	4413	11333	9147	65.7	68.3
		Priya Sweet Corn (C)	5848	7167	4048	12204	10439	77.7	77.5
		WOSC (C)	5251	7181	3166	13611	14506	79.0	79.7
Mean of location			6739.1	7314.1	4785.4	13338.4	11897.9	77.0	69.3
83,333			6901	6649	4959	13407	10940	75.5	63.4
1,00,000			6577	7980	4612	13270	12856	78.5	75.1
CD at 5%			NS	NS	NS	NS	NS	NS	5.0
CV (%)			12.4	59.7	15.3	4.5	20.3	13.0	6.5
150:50:60			6752	7230	4746	13398	11732	77.5	67.8
200:60:80			6726	7398	4825	13279	12064	76.5	70.7
CD at 5%			NS	NS	NS	NS	NS	NS	NS
CV (%)			15.5	19.2	23.4	12.0	24.0	4.2	11.4
AKSH4			9031	9263	6243	17868	22180	82.8	74.0
FSCH75			6331	8353	4694	10162	7005	75.6	71.7
Madhuri Sweet Corn (C)			6256	6412	4493	12185	9498	69.7	63.5
Priya Sweet Corn (C)			6155	5885	4499	13037	8530	77.3	68.6
WOSC (C)			5923	6657	3999	13440	12276	79.6	68.5
CD at 5%			603.1	1238.0	609.4	1968.6	1825.6	5.2	6.2
CV (%)			10.8	20.4	15.3	17.7	18.5	8.1	10.8

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A-56

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Cobs ('000/ha)		Plant height (cm)		Ear height (cm)	Days to 50% tasseling	
			Karimnagar	Vagarai	Karimnagar	Vagarai	Karimnagar	Karimnagar	Vagarai
83,000	150:50:60	AKSH4	78.1	63.1	158.7	188.9	94.0	50.0	50.7
		FSCH75	76.7	60.3	121.0	163.2	61.7	51.3	49.7
		Madhuri Sweet Corn (C)	67.8	52.8	155.3	191.6	77.5	52.0	46.7
		Priya Sweet Corn (C)	73.7	51.1	152.3	188.7	74.7	50.7	46.0
		WOSC (C)	81.9	56.9	161.0	193.4	86.7	52.3	47.0
	200:60:80	AKSH4	96.3	64.4	167.3	192.7	98.0	50.3	51.0
		FSCH75	92.6	63.6	126.3	156.1	59.7	51.0	49.3
		Madhuri Sweet Corn (C)	88.5	50.6	148.7	176.7	74.3	49.7	46.0
		Priya Sweet Corn (C)	87.4	53.1	155.3	183.9	77.3	50.0	45.3
		WOSC (C)	93.7	55.6	159.3	184.0	80.0	50.0	46.3
1,00,000	150:50:60	AKSH4	81.9	73.6	167.3	194.8	95.7	51.7	49.7
		FSCH75	77.8	72.5	122.3	156.1	61.3	52.3	49.7
		Madhuri Sweet Corn (C)	76.7	56.4	148.7	182.2	71.3	51.3	46.0
		Priya Sweet Corn (C)	79.6	60.0	154.3	187.8	79.0	50.7	45.0
		WOSC (C)	81.5	67.5	160.0	184.0	83.0	51.3	47.0
	200:60:80	AKSH4	93.3	74.4	157.7	189.2	86.0	50.0	53.3
		FSCH75	92.6	70.8	134.7	153.6	63.0	50.7	49.3
		Madhuri Sweet Corn (C)	87.8	59.2	155.0	185.6	80.0	49.7	47.3
		Priya Sweet Corn (C)	89.6	62.8	154.3	187.9	80.0	50.3	46.3
		WOSC (C)	93.7	67.8	153.4	195.3	76.3	50.0	48.7
Mean of location			84.6	61.8	150.7	181.8	78.0	50.8	48.0
83,333			83.7	57.1	150.5	181.9	78.4	50.7	47.8
1,00,000			85.4	66.5	150.8	181.7	77.6	50.8	48.2
CD at 5%			NS	NS	NS	NS	NS	NS	NS
CV (%)			4.6	15.2	1.1	5.7	3.0	0.9	1.8
150:50:60			77.6	61.4	150.1	183.1	78.5	51.4	47.7
200:60:80			91.6	62.2	151.2	180.5	77.5	50.2	48.3
CD at 5%			1.0	NS	NS	NS	NS	0.4	NS
CV (%)			1.6	13.7	4.8	16.4	11.3	1.1	4.1
AKSH4			87.4	68.9	162.8	191.4	93.4	50.5	51.2
FSCH75			84.9	66.8	126.1	157.3	61.4	51.3	49.5
Madhuri Sweet Corn (C)			80.2	54.7	151.9	184.0	75.8	50.7	46.5
Priya Sweet Corn (C)			82.6	56.7	154.1	187.1	77.8	50.4	45.7
WOSC (C)			87.7	61.9	158.4	189.2	81.5	50.9	47.3
CD at 5%			2.9	6.2	7.0	8.8	6.0	NS	1.4
CV (%)			4.1	12.0	5.6	5.8	9.2	2.3	3.4

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A-57

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Days to 50% silking		Net returns (Rs./ha)		B : C Ratio			
			Karimnagar	Vagarai	Karimnagar	Vagarai	Karimnagar	Vagarai		
83,000	150:50:60	AKSH4	53.0	56.0	180077	123295	4.31	2.62		
		FSCH75	54.3	51.3	175633	107589	4.23	2.42		
		Madhuri Sweet Corn (C)	55.0	51.3	148966	86794	3.74	2.14		
		Priya Sweet Corn (C)	53.7	49.7	166744	81321	4.07	2.07		
		WOSC (C)	55.3	54.3	191188	101271	4.52	2.33		
	200:60:80	AKSH4	53.3	58.0	232463	126395	5.12	2.63		
		FSCH75	54.0	51.0	221352	116294	4.92	2.50		
		Madhuri Sweet Corn (C)	52.7	50.0	209130	78901	4.71	2.02		
		Priya Sweet Corn (C)	53.0	50.0	205797	85186	4.65	2.10		
		WOSC (C)	53.0	52.3	224685	93583	4.98	2.21		
1,00,000	150:50:60	AKSH4	54.7	56.7	190178	156712	4.43	3.06		
		FSCH75	55.3	51.0	177956	144952	4.21	2.91		
		Madhuri Sweet Corn (C)	54.3	51.7	174623	98250	4.15	2.29		
		Priya Sweet Corn (C)	53.7	50.0	183512	108187	4.31	2.42		
		WOSC (C)	54.3	53.3	189067	132799	4.41	2.75		
	200:60:80	AKSH4	53.0	57.0	222564	157330	4.88	3.03		
		FSCH75	53.7	50.7	220342	139547	4.84	2.80		
		Madhuri Sweet Corn (C)	52.7	51.0	205898	104425	4.59	2.34		
		Priya Sweet Corn (C)	53.3	50.7	211453	115905	4.68	2.49		
		WOSC (C)	53.0	55.7	223675	132938	4.89	2.71		
Mean of location					53.8	52.6	197765.1	114583.8	4.53	2.49
83,333			53.7	52.4	195603	100063	4.52	2.30		
1,00,000			53.8	52.8	199927	129105	4.54	2.68		
CD at 5%			NS	NS	NS	NS	NS	NS		
CV (%)			0.9	1.2	5.9	25.1	4.6	14.9		
150:50:60			54.4	52.5	177794	114117	4.24	2.50		
200:60:80			53.2	52.6	217736	115051	4.83	2.48		
CD at 5%			0.4	NS	2860.8	NS	0.05	NS		
CV (%)			1.1	6.8	2.0	22.8	1.6	13.6		
AKSH4			53.5	56.9	206321	140933	4.69	2.83		
FSCH75			54.3	51.0	198821	127096	4.55	2.65		
Madhuri Sweet Corn (C)			53.7	51.0	184654	92092	4.30	2.20		
Priya Sweet Corn (C)			53.4	50.1	191876	97650	4.43	2.27		
WOSC (C)			53.9	53.9	207154	115148	4.70	2.50		
CD at 5%			NS	1.2	8727.0	18507.1	0.16	0.24		
CV (%)			2.1	2.8	5.3	19.4	4.2	11.6		

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A-58

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	(% of loss)	Total Soluble Solids (%)
83,000	150:50:60	AKSH4	18.1	14.1	13.2	36.9	62.1	15.3
		FSCH75	17.9	14.0	13.2	35.9	71.5	14.8
		Madhuri Sweet Corn (C)	17.9	12.7	12.7	37.9	70.8	14.4
		Priya Sweet Corn (C)	15.9	11.0	12.2	33.3	75.2	15.0
		WOSC (C)	15.6	11.0	11.4	32.1	69.6	14.8
	200:60:80	AKSH4	17.5	13.1	13.6	35.1	72.4	15.3
		FSCH75	17.3	14.2	14.0	32.1	76.0	14.9
		Madhuri Sweet Corn (C)	17.3	12.5	12.2	35.0	75.7	15.1
		Priya Sweet Corn (C)	16.8	12.0	12.4	32.9	73.6	14.9
		WOSC (C)	16.0	12.3	11.9	32.9	69.4	15.1
1,00,000	150:50:60	AKSH4	17.5	12.0	13.5	35.8	70.5	15.6
		FSCH75	17.5	12.7	13.1	35.5	73.1	15.3
		Madhuri Sweet Corn (C)	17.1	12.5	12.3	32.8	64.9	14.9
		Priya Sweet Corn (C)	15.8	11.9	13.1	32.4	73.2	15.1
		WOSC (C)	15.0	11.4	12.8	31.7	67.3	15.0
	200:60:80	AKSH4	17.8	13.4	13.4	33.5	69.9	15.6
		FSCH75	17.7	14.5	13.1	33.1	74.2	14.5
		Madhuri Sweet Corn (C)	17.6	13.4	12.8	32.4	70.7	14.5
		Priya Sweet Corn (C)	16.9	13.5	13.2	31.1	69.1	14.6
		WOSC (C)	16.3	13.3	13.3	30.0	60.2	14.8
Mean of location			17.0	12.8	12.9	33.6	70.5	14.96
83,333			17.0	12.7	12.7	34.4	71.6	14.94
1,00,000			16.9	12.9	13.1	32.8	69.3	14.98
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			6.3	16.8	6.2	8.5	4.7	4.0
150:50:60			16.8	12.3	12.8	34.4	69.8	15.01
200:60:80			17.1	13.2	13.0	32.8	71.1	14.92
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			11.8	11.2	8.2	15.1	8.4	3.1
AKSH4			17.7	13.1	13.4	35.3	68.7	15.42
FSCH75			17.6	13.9	13.4	34.2	73.7	14.86
Madhuri Sweet Corn (C)			17.5	12.8	12.5	34.5	70.5	14.73
Priya Sweet Corn (C)			16.4	12.1	12.7	32.4	72.8	14.90
WOSC (C)			15.7	12.0	12.3	31.7	66.6	14.92
CD at 5%			0.9	1.1	NS	2.5	3.8	0.3
CV (%)			6.3	10.5	8.3	9.0	6.4	2.4

Table 17: Performance of pre release sweet corn genotypes in *Kharif* under varying planting density and nutrients levels in Central West Zone (CWZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Green Cob yield (kg/ha)			Green fodder yield (kg/ha)		
			Ambikapur	Jhabua	Udaipur	Ambikapur	Jhabua	Udaipur
66,000	State Recommendation (120:60:40 Jha)	AKSH4		13255			11238	
		Madhuri Sweet Corn (C)		7421			6047	
		Priya Sweet Corn (C)		8641			6238	
		WOSC (C)		10951			7917	
	150:50:60	AKSH4	15543	12920	8430	18547	10237	16823
		Madhuri Sweet Corn (C)	13769	7840	6023	16428	6013	12023
		Priya Sweet Corn (C)	17669	12928	6517	21145	6319	13020
		WOSC (C)	16504	10722	8430	19583	8588	16833
	200:60:80	AKSH4	19019	9575	8617	22444	9954	17237
		Madhuri Sweet Corn (C)	17420	6894	6240	20676	4896	12430
		Priya Sweet Corn (C)	21433	7880	6737	25720	6516	13483
		WOSC (C)	19574	11254	8517	23225	8264	17097
83,000	State Recommendation	AKSH4		16029			10532	
		Madhuri Sweet Corn (C)		10399			5556	
		Priya Sweet Corn (C)		9848			6343	
		WOSC (C)		9791			5752	
	150:50:60	AKSH4	18145	18223	9627	21958	12350	18737
		Madhuri Sweet Corn (C)	16523	9610	6920	20048	4942	13237
		Priya Sweet Corn (C)	21339	11291	7420	26104	6019	14237
		WOSC (C)	19777	12080	9630	24000	8160	18627
	200:60:80	AKSH4	22020	15398	9713	26722	10486	18820
		Madhuri Sweet Corn (C)	19248	10999	7023	23483	7500	13423
		Priya Sweet Corn (C)	23681	7175	7520	28970	5000	14417
		WOSC (C)	21744	12725	9823	26528	7106	19013
Mean of location								15591.
			18963.0	10993.7	7949.2	22848.9	7582.2	0
66,000			17616	10023	7439	20971	7686	14868
83,000			20310	11964	8460	24727	7479	16314
CD at 5%			452.1	1286.5	876.3	558.8	NS	1222.3
CV (%)			1.9	11.5	8.9	2.0	16.7	6.3
State Recommendation				10792			7453	
150:50:60			17408	11952	7875	20977	7828	15442
200:60:80			20518	10237	8024	24721	7465	15740
CD at 5%			665.0	948.9	NS	897.3	NS	NS
CV (%)			4.4	13.0	5.0	4.9	15.2	3.6
AKSH4			18682	14233	9097	22418	10800	17904
Madhuri Sweet Corn (C)			16740	8860	6552	20159	5826	12778
Priya Sweet Corn (C)			21030	9627	7048	25485	6073	13789
WOSC (C)			19400	11254	9100	23334	7631	17893
CD at 5%			618.6	1132.4	212.8	777.1	677.5	431.1
CV (%)			3.9	15.2	3.2	4.0	13.2	3.3

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Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Plants ('000/ha)			Cobs ('000/ha)		
			Ambikapur	Jhabua	Udaipur	Ambikapur	Jhabua	Udaipur
66,000	State Recommendation	AKSH4		63.4			60.6	
		Madhuri Sweet Corn (C)		60.6			59.3	
		Priya Sweet Corn (C)		61.1			61.1	
		WOSC (C)		65.3			63.0	
	150:50:60	AKSH4	63.3	61.6	81.8	64.8	59.3	56.2
		Madhuri Sweet Corn (C)	64.4	60.6	82.2	64.8	58.8	40.2
		Priya Sweet Corn (C)	63.3	63.4	82.4	66.7	60.6	43.4
		WOSC (C)	64.4	63.4	82.5	65.2	61.1	56.2
	200:60:80	AKSH4	63.7	66.7	82.5	64.8	63.4	57.4
		Madhuri Sweet Corn (C)	64.4	65.3	82.4	65.6	61.1	41.6
		Priya Sweet Corn (C)	64.1	65.3	82.5	67.8	62.5	44.9
		WOSC (C)	64.8	63.9	82.5	67.8	58.8	56.8
83,000	State Recommendation	AKSH4		78.7			74.5	
		Madhuri Sweet Corn (C)		75.5			74.1	
		Priya Sweet Corn (C)		76.9			73.6	
		WOSC (C)		77.8			75.5	
	150:50:60	AKSH4	80.4	77.3	95.0	81.1	73.1	64.2
		Madhuri Sweet Corn (C)	81.5	74.5	95.3	81.5	73.6	46.1
		Priya Sweet Corn (C)	80.4	73.6	95.3	79.3	73.1	49.5
		WOSC (C)	81.1	74.5	95.3	81.9	71.8	64.2
	200:60:80	AKSH4	81.1	74.5	95.3	82.2	70.4	64.8
		Madhuri Sweet Corn (C)	80.7	69.4	95.4	83.7	66.2	46.8
		Priya Sweet Corn (C)	81.5	65.3	95.0	85.2	62.0	50.1
		WOSC (C)	80.0	71.3	94.4	81.1	66.8	65.5
Mean of location			72.5	68.8	88.7	74.0	66.0	53.0
66,000			64.1	63.4	82.4	65.9	60.8	49.6
83,000			80.8	74.1	95.1	82.0	71.2	56.4
CD at 5%			2.1	3.6	3.8	1.6	1.3	5.8
CV (%)			2.3	5.1	3.5	1.8	1.9	8.9
State Recommendation				69.9			67.7	
150:50:60			72.4	68.6	88.7	73.1	66.4	52.5
200:60:80			72.5	67.7	88.8	74.8	63.9	53.5
CD at 5%			NS	NS	NS	1.3	NS	NS
CV (%)			2.7	6.6	3.1	2.2	7.5	5.0
AKSH4			72.1	70.4	88.6	73.2	66.9	60.6
Madhuri Sweet Corn (C)			72.8	67.7	88.8	73.9	65.5	43.7
Priya Sweet Corn (C)			72.3	67.6	88.8	74.7	65.5	47.0
WOSC (C)			72.6	69.4	88.7	74.0	66.1	60.7
CD at 5%			NS	2.3	NS	NS	NS	1.4
CV (%)			2.8	4.8	1.2	2.9	4.3	3.2

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A-61

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Days 50% silking			Net returns (Rs./ha)		
			Ambikapur	Jhabua	Udaipur	Ambikapur	Jhabua	Udaipur
66,000	State Recommendation	AKSH4		56.3			302211	
		Madhuri Sweet Corn (C)		53.3			149182	
		Priya Sweet Corn (C)		53.0			174924	
		WOSC (C)		56.7			232867	
	150:50:60	AKSH4	54.0	57.3	46.0	124563	287485	216034
		Madhuri Sweet Corn (C)	53.0	55.7	46.0	106292	156304	146267
		Priya Sweet Corn (C)	54.7	52.0	48.7	146471	260205	160594
		WOSC (C)	54.7	56.0	46.7	134433	231976	216054
	200:60:80	AKSH4	54.0	56.7	45.0	159504	216859	220370
		Madhuri Sweet Corn (C)	52.3	53.7	44.7	143073	127847	151340
		Priya Sweet Corn (C)	54.7	54.0	46.7	184463	158899	165863
		WOSC (C)	53.7	56.7	46.3	165247	238620	217590
83,000	State Recommendation	AKSH4		57.7			352748	
		Madhuri Sweet Corn (C)		54.0			205300	
		Priya Sweet Corn (C)		54.7			199800	
		WOSC (C)		56.0			194515	
	150:50:60	AKSH4	53.0	57.0	45.7	151441	408328	249277
		Madhuri Sweet Corn (C)	52.0	54.7	45.0	134744	184215	170610
		Priya Sweet Corn (C)	53.7	52.7	48.3	184415	225364	185110
		WOSC (C)	53.7	55.7	47.3	168269	256139	249140
	200:60:80	AKSH4	56.0	56.3	44.7	190584	337048	250453
		Madhuri Sweet Corn (C)	54.3	56.0	44.7	162052	228169	172410
		Priya Sweet Corn (C)	56.7	52.0	47.3	207748	134192	186813
		WOSC (C)	55.7	57.0	45.7	187773	259932	253590
200719.								
Mean of location			54.1	55.2	46.2	159442.0	230130.4	8
66,000			53.9	55.1	46.3	145506	211448	186764
83,000			54.4	55.3	46.1	173378	248812	214676
CD at 5%			0.0	NS	NS	4656.8	32529.3	24349.3
CV (%)			0.0	3.5	6.5	2.4	13.9	9.8
State Recommendation				55.2			226443.4	
150:50:60			53.6	55.1	46.7	143828	251252	199136
200:60:80			54.7	55.3	45.6	175056	212696	202304
CD at 5%			0.4	NS	NS	6869.4	22411.4	NS
CV (%)			1.0	3.1	6.2	5.4	14.6	5.4
AKSH4			54.3	56.9	45.3	156523	317447	234034
Madhuri Sweet Corn (C)			52.9	54.6	45.1	136540	175169	160157
Priya Sweet Corn (C)			54.9	53.1	47.8	180774	192231	174595
WOSC (C)			54.4	56.3	46.5	163930	235675	234094
CD at 5%			0.6	1.1	1.0	6376.7	23711.6	5839.1
CV (%)			1.4	3.0	2.4	4.7	15.2	3.5

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Density	N:P ₂ O ₅ :K ₂ O	Genotypes	B:C ratio			TSS (%)
			Ambikapur	Jhabua	Udaipur	Udaipur
66,000	State Recommendation	AKSH4		7.27		
		Madhuri Sweet Corn (C)		3.59		
		Priya Sweet Corn (C)		4.21		
		WOSC (C)		5.60		
	150:50:60	AKSH4	3.51	6.75	7.62	10.1
		Madhuri Sweet Corn (C)	2.99	3.67	5.16	9.1
		Priya Sweet Corn (C)	4.13	6.11	5.66	9.1
		WOSC (C)	3.79	5.45	7.62	10.1
	200:60:80	AKSH4	4.39	4.89	7.47	10.1
		Madhuri Sweet Corn (C)	3.94	2.89	5.13	9.0
		Priya Sweet Corn (C)	5.08	3.59	5.62	9.0
		WOSC (C)	4.55	5.39	7.37	10.1
83,000	State Recommendation	AKSH4		8.49		
		Madhuri Sweet Corn (C)		4.94		
		Priya Sweet Corn (C)		4.81		
		WOSC (C)		4.68		
	150:50:60	AKSH4	4.27	9.59	8.64	10.1
		Madhuri Sweet Corn (C)	3.80	4.33	5.91	9.1
		Priya Sweet Corn (C)	5.19	5.29	6.41	9.0
		WOSC (C)	4.74	6.01	8.63	10.0
	200:60:80	AKSH4	5.25	7.61	8.34	10.2
		Madhuri Sweet Corn (C)	4.46	5.15	5.74	9.0
		Priya Sweet Corn (C)	5.72	3.03	6.22	9.0
		WOSC (C)	5.17	5.87	8.45	10.1
Mean of location			4.44	5.38	6.87	9.6
66,000			4.05	4.95	6.45	9.6
83,000			4.83	5.82	7.29	9.6
CD at 5%			0.13	0.75	0.84	NS
CV (%)			2.3	13.7	9.8	11.7
State Recommendation				5.4		
150:50:60			4.05	5.90	6.96	9.6
200:60:80			4.82	4.80	6.79	9.6
CD at 5%			0.19	0.51	NS	NS
CV (%)			5.4	14.3	5.3	10.3
AKSH4			4.35	7.43	8.02	10.1
Madhuri Sweet Corn (C)			3.80	4.09	5.48	9.0
Priya Sweet Corn (C)			5.03	4.51	5.98	9.0
WOSC (C)			4.56	5.50	8.02	10.1
CD at 5%			0.18	0.55	0.20	0.2
CV (%)			4.7	15.1	3.4	2.1

Table 18: Performance of pre release baby corn genotypes in *Kharif* under varying planting density and nutrients levels in Northern Hill Zone (NHZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Baby corn yield with husk (kg/ha)		Baby corn yield without husk (kg/ha)		Green fodder yield (kg/ha)	
			Bajaura	Udhampur	Bajaura	Udhampur	Bajaura	Udhampur
111,000	150:50:60	IMHB 1538	12116	7104	1052	1506	23389	19613
		IMHB 1529	11464	8321	996	1438	22889	19796
		DMRHB 1305	11125	6714	974	1394	20778	18602
		IMHB 1539	9407	9474	1137	2053	25944	26154
		GAYMH-1	12284	6473	1162	1344	27611	18645
		HM4-C	10617	8544	1070	1774	30556	23417
	200:60:80	IMHB 1538	12645	5023	1097	1065	28333	12965
		IMHB 1529	11811	7737	1139	1584	23611	20726
		DMRHB 1305	13438	9478	1044	1981	27722	21270
		IMHB 1539	12674	10516	1162	2286	29333	25496
		GAYMH-1	13935	7126	1087	1480	29167	28716
		HM4-C	12827	7738	1074	1618	23889	19303
130,000	150:50:60	IMHB 1538	11536	7510	1007	1593	32259	20747
		IMHB 1529	15826	8966	1276	1824	36511	20883
		DMRHB 1305	12125	7833	1203	1637	29931	25189
		IMHB 1539	10712	8414	1328	1823	31007	21391
		GAYMH-1	10798	8310	1277	1726	29413	22892
		HM4-C	10306	8586	1223	1783	30467	22943
	200:60:80	IMHB 1538	12108	6735	1270	1438	33887	17907
		IMHB 1529	12158	8231	1359	1674	29609	23053
		DMRHB 1305	13575	7263	1227	1508	30753	19545
		IMHB 1539	13240	8981	1526	1959	36660	19530
		GAYMH-1	11532	7415	1333	1540	32799	24526
		HM4-C	11143	7617	1406	1582	35675	20194
Mean of location			12058.4	7921.1	1184.5	1650.3	29258.1	21396.0
111,000			12029	7854	1083	1627	26102	21225
130,000			12088	7988	1286	1674	32414	21567
CD at 5%			NS	NS	19.2	NS	1466.4	NS
CV (%)			13.2	13.6	1.6	3.0	4.9	2.9
150:50:60			11526	8021	1142	1658	28396	21689
200:60:80			12591	7822	1227	1643	30120	21103
CD at 5%			861.6	NS	49.0	NS	NS	NS
CV (%)			10.9	6.8	6.3	4.7	13.6	4.7
IMHB 1538			12101	6593	1106	1400	29467	17808
IMHB 1529			12815	8314	1192	1630	28155	21115
DMRHB 1305			12566	7822	1112	1630	27296	21152
IMHB 1539			11508	9346	1288	2030	30736	23143
GAYMH-1			12137	7331	1215	1522	29747	23695
HM4-C			11223	8121	1193	1689	30147	21464
CD at 5%			NS	864.0	71.1	99.6	NS	1387.6
CV (%)			12.9	13.2	7.3	7.3	12.6	7.9

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Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Plants ('000/ha)		Plant height (cm)		Days to first picking	No. of pickings
			Bajaura	Udhampur	Bajaura	Udhampur	Bajaura	Bajaura
111,000	150:50:60	IMHB 1538	83.3	97.0	183.2	131.2	46.7	6.7
		IMHB 1529	83.3	98.0	174.6	129.5	46.0	7.0
		DMRHB 1305	83.3	97.7	172.8	121.2	46.0	7.0
		IMHB 1539	83.3	97.0	183.3	123.2	51.3	5.7
		GAYMH-1	83.3	97.7	219.7	124.6	50.0	5.7
		HM4-C	83.3	98.3	219.6	135.3	52.7	5.7
	200:60:80	IMHB 1538	83.3	97.0	200.9	132.2	46.3	6.7
		IMHB 1529	83.3	97.7	181.1	130.2	46.0	6.7
		DMRHB 1305	83.3	97.7	168.6	137.6	46.0	6.7
		IMHB 1539	83.3	98.7	210.4	136.5	48.7	5.7
		GAYMH-1	83.3	99.0	221.8	140.2	50.7	5.7
		HM4-C	83.3	98.3	205.8	134.4	53.3	5.3
130,000	150:50:60	IMHB 1538	136.1	110.0	198.9	137.4	48.7	6.0
		IMHB 1529	117.8	109.0	189.2	142.0	48.7	6.7
		DMRHB 1305	129.4	112.0	169.4	132.5	48.3	6.0
		IMHB 1539	128.3	111.7	213.1	133.0	52.0	5.3
		GAYMH-1	123.9	110.3	210.7	131.3	51.3	5.3
		HM4-C	126.7	115.7	208.3	135.6	55.3	4.7
	200:60:80	IMHB 1538	130.0	110.0	196.9	122.0	50.7	5.7
		IMHB 1529	124.4	110.3	172.7	141.9	46.3	7.0
		DMRHB 1305	127.8	109.3	188.7	139.0	48.0	6.3
		IMHB 1539	130.0	112.3	210.6	133.4	48.7	6.3
		GAYMH-1	124.4	113.3	219.4	127.2	50.7	5.7
		HM4-C	128.3	111.3	202.8	132.1	53.3	5.0
Mean of location			105.3	104.6	196.8	132.7	49.4	6.0
111,000			83.3	97.8	195.2	131.4	48.6	6.2
130,000			127.3	111.3	198.4	134.0	50.2	5.8
CD at 5%			1.6	3.9	2.5	NS	0.43	NS
CV (%)			1.5	3.7	1.3	2.7	0.86	8.5
150:50:60			105.2	104.5	195.2	131.4	49.8	6.0
200:60:80			105.4	104.6	198.3	133.9	49.1	6.1
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			4.3	3.6	6.2	11.5	2.2	12.2
IMHB 1538			108.2	103.5	195.0	130.7	48.1	6.3
IMHB 1529			102.2	103.8	179.4	135.9	46.8	6.8
DMRHB 1305			106.0	104.2	174.9	132.6	47.1	6.5
IMHB 1539			106.3	104.9	204.4	131.6	50.2	5.8
GAYMH-1			103.8	105.1	217.9	130.9	50.7	5.6
HM4-C			105.4	105.9	209.1	134.4	53.7	5.2
CD at 5%			2.9	NS	7.4	NS	0.9	0.4
CV (%)			3.3	3.0	4.5	6.5	2.3	8.5

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Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Net returns (Rs./ha)		B:C ratio			
			Bajaura	Udhampur	Bajaura	Udhampur		
111,000	150:50:60	IMHB 1538	59618	136643	1.46	4.55		
		IMHB 1529	56124	140829	1.37	4.69		
		DMRHB 1305	50001	146809	1.22	4.89		
		IMHB 1539	69429	152400	1.70	5.08		
		GAYMH-1	74596	121303	1.82	4.04		
		HM4-C	78268	121200	1.91	4.04		
	200:60:80	IMHB 1538	71939	134880	1.68	4.33		
		IMHB 1529	61822	152437	1.45	4.89		
		DMRHB 1305	68300	149291	1.60	4.79		
		IMHB 1539	77061	135465	1.80	4.35		
		GAYMH-1	73623	124390	1.72	3.99		
		HM4-C	59939	134119	1.40	4.31		
130,000	150:50:60	IMHB 1538	79393	152296	1.91	4.99		
		IMHB 1529	100779	170535	2.43	5.59		
		DMRHB 1305	81440	147194	1.96	4.83		
		IMHB 1539	89107	174155	2.15	5.71		
		GAYMH-1	83077	158679	2.00	5.20		
		HM4-C	83557	148648	2.01	4.87		
	200:60:80	IMHB 1538	92156	123119	2.13	3.89		
		IMHB 1529	85039	138796	1.96	4.39		
		DMRHB 1305	82589	125232	1.90	3.96		
		IMHB 1539	109311	150467	2.52	4.75		
		GAYMH-1	91971	137501	2.12	4.34		
		HM4-C	102050	120862	2.35	3.88		
		Mean of location			78383.0	141552.0	1.86	4.60
		111,000			66727	137480	1.59	4.50
130,000			90039	145624	2.12	4.70		
CD at 5%			3208.7	NS	0.07	0.06		
CV (%)			4.0	1.3	3.8	1.3		
150:50:60			75449	147558	1.83	4.88		
200:60:80			81317	135547	1.89	4.32		
CD at 5%			5493.1	NS	NS	0.05		
CV (%)			10.7	1.5	10.6	1.6		
IMHB 1538			75777	136734	1.79	4.44		
IMHB 1529			75941	150649	1.80	4.89		
DMRHB 1305			70583	142131	1.67	4.62		
IMHB 1539			86227	153122	2.04	4.97		
GAYMH-1			80817	135468	1.92	4.40		
HM4-C			80953	131207	1.92	4.27		
CD at 5%			8149.5	NS	0.19	0.14		
CV (%)			12.6	3.8	12.6	3.7		

Table 19: Performance of pre release baby corn genotypes in *Kharif* under varying planting density and nutrients levels in North West Plain Zone (NWPZ).

Density	Nutrient levels	Genotypes	Baby corn yield with husk (kg/ha)		Baby corn yield without husk (kg/ha)		Green fodder yield (kg/ha)	
			Karnal	Pantnagar	Karnal	Pantnagar	Karnal	Pantnagar
1,00,000	150:50:60	IMHB 1529	16872	5870	3614	1145	37422	11358
		IMHB 1532	17737	5505	3849	1207	34864	10957
		HM4-C	10707	4463	2437	889	34198	11636
	200:60:80	IMHB 1529	19869	6728	4739	1222	38763	12500
		IMHB 1532	20902	7401	5003	1398	36969	12531
		HM4-C	12933	5188	3026	1006	36445	11821
1,25,000	150:50:60	IMHB 1529	19227	7524	4329	1463	39310	12017
		IMHB 1532	21551	6292	4694	1264	38511	10749
		HM4-C	12616	5242	2931	1083	38036	12953
	200:60:80	IMHB 1529	23247	7624	5383	1490	41308	11926
		IMHB 1532	24101	8086	5586	1539	40782	12107
		HM4-C	14896	6455	3425	1333	40441	12470
Mean of location			17888.2	6364.9	4084.6	1253.3	38087.4	11918.7
1,00,000			16503	5859	3778	1145	36443	11800
1,25,000			19273	6870	4391	1362	39731	12037
CD at 5%			120.9	549.5	75.8	97.9	1283.0	NS
CV (%)			0.5	6.0	1.3	5.4	2.3	22.3
150:50:60			16452	5816	3642	1175	37057	11612
200:60:80			19325	6914	4527	1331	39118	12226
CD at 5%			38.0	156.2	540.7	83.0	1272.9	NS
CV (%)			0.2	2.7	14.3	7.2	3.6	13.3
IMHB 1529			19804	6937	4516	1330	39200	11950
IMHB 1532			21073	6821	4783	1352	37782	11586
HM4-C			12788	5337	2955	1078	37280	12220
CD at 5%			55.2	239.9	151.3	60.9	1374.2	NS
CV (%)			0.4	4.4	4.3	5.6	4.2	11.9

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Density	Nutrient levels	Genotypes	Plants ('000/ha)		Plant height (cm)	Days to first picking		No. of pickings
			Karnal	Pantnagar	Pantnagar	Karnal	Pantnagar	Karnal
1,00,000	150:50:60	IMHB 1529	98.3	93.2	95.3	49.3	52.7	3.3
		IMHB 1532	98.8	96.9	106.0	49.7	49.7	3.7
		HM4-C	98.3	93.2	112.9	52.7	55.3	3.0
	200:60:80	IMHB 1529	97.9	93.2	98.1	50.0	53.0	4.0
		IMHB 1532	98.8	97.5	107.2	49.3	49.7	4.0
		HM4-C	99.2	94.4	113.8	52.7	55.3	3.0
1,25,000	150:50:60	IMHB 1529	129.2	113.5	100.0	50.3	52.3	4.0
		IMHB 1532	127.5	116.5	107.1	50.0	50.3	4.0
		HM4-C	129.6	112.9	117.5	54.3	55.7	3.0
	200:60:80	IMHB 1529	129.2	111.7	100.4	50.7	52.7	4.0
		IMHB 1532	129.6	121.4	108.7	49.3	49.7	4.0
		HM4-C	129.6	115.9	116.0	55.3	55.7	3.0
Mean of location			113.8	105.0	106.9	51.1	52.7	3.6
1,00,000			98.5	94.8	105.5	50.6	52.6	3.5
1,25,000			129.1	115.3	108.3	51.7	52.7	3.7
CD at 5%			2.9	4.6	NS	0.5	NS	NA
CV (%)			1.7	3.0	17.6	0.7	0.3	8.1
150:50:60			113.6	104.4	106.5	51.1	52.7	3.5
200:60:80			114.0	105.7	107.4	51.2	52.7	3.7
CD at 5%			NA	NS	NS	NA	NS	NA
CV (%)			1.0	2.2	9.0	0.5	0.4	8.1
IMHB 1529			113.6	102.9	98.4	50.1	52.7	3.8
IMHB 1532			113.6	108.1	107.2	49.6	49.8	3.9
HM4-C			114.2	104.1	115.1	53.8	55.5	3.0
CD at 5%			NA	NS	8.6	0.6	0.6	0.2
CV (%)			1.3	5.9	9.3	1.3	1.2	5.7

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Density	Nutrient levels	Genotypes	Net returns (Rs./ha)		B:C ratio	
			Karnal	Pantnagar	Karnal	Pantnagar
1,00,000	150:50:60	IMHB 1529	60567	47094	1.48	1.42
		IMHB 1532	67081	51415	1.51	1.56
		HM4-C	19385	29162	1.18	0.88
	200:60:80	IMHB 1529	98228	51031	1.68	1.48
		IMHB 1532	109197	63345	1.74	1.83
		HM4-C	38283	35907	1.32	1.04
1,25,000	150:50:60	IMHB 1529	85617	67719	1.63	1.95
		IMHB 1532	96646	53812	1.68	1.55
		HM4-C	36672	41155	1.32	1.19
	200:60:80	IMHB 1529	120789	68203	1.79	1.89
		IMHB 1532	129613	71580	1.84	1.98
		HM4-C	52242	57204	1.42	1.58
Mean of location			76193.4	53135.7	1.55	1.53
1,00,000			65457	46326	1.49	1.37
1,25,000			86930	59946	1.61	1.69
CD at 5%			2651.4	6855.7	0.01	0.2
CV (%)			2.4	9.0	0.4	8.7
150:50:60			60995	48393	1.47	1.43
200:60:80			91392	57878	1.63	1.63
CD at 5%			18917.5	5809.6	0.09	0.2
CV (%)			26.8	11.8	6.4	12.0
IMHB 1529			91300	58512	1.64	1.69
IMHB 1532			100634	60038	1.69	1.73
HM4-C			36646	40857	1.31	1.17
CD at 5%			5301.2	4263.8	0.03	0.1
CV (%)			8.0	9.3	2.0	9.3

Table 20: Performance of pre release baby corn genotypes in *Kharif* under varying planting density and nutrients levels in North East Plain Zone (NEPZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Baby Corn with husk yield (kg/ha)		Babycorn yield without husk (kg/ha)		Green fodder yield (kg/ha)	
			Ambikapur	Dholi	Dholi	Ambikapur	Dholi	Ambikapur
1,00,000	150:50:60	IMHB 1529	7049	2260	476	1201	6779	13745
		IMHB 1532	7926	2155	454	1302	6464	15455
		GAMH-1	6937	1951	411	1181	5852	13527
		HM4-C	7576	1960	413	1229	5879	14772
	200:60:80	IMHB 1529	7685	1880	396	1221	5639	15524
		IMHB 1532	11183	1906	401	1744	5719	22590
		GAMH-1	8654	1951	411	1352	5852	17482
		HM4-C	8907	1951	411	1391	5852	17991
1,25,000	150:50:60	IMHB 1529	6873	2616	551	1128	7847	14090
		IMHB 1532	8474	2580	543	1356	7741	17373
		GAMH-1	6838	2580	543	1094	7741	14017
		HM4-C	8474	2598	547	1356	7794	17373
	200:60:80	IMHB 1529	7034	2616	551	1154	7847	14561
		IMHB 1532	11051	2589	545	1727	7767	22875
		GAMH-1	8880	2625	553	1450	7874	18382
		HM4-C	9378	2580	543	1537	7741	19412
Mean of location			8307.4	2299.7	484.2	1338.9	6899.1	16823.1
1,00,000			8240	2001	421	1327.5	6004	16386
1,25,000			8375	2598	547	1350.3	7794	17260
CD at 5%			NS	198.9	41.9	NS	596.8	NS
CV (%)			21.8	7.0	7.0	16.9	7.0	21.6
150:50:60			7518	2337	492	1230.7	7012	15044
200:60:80			9097	2262	476	1447.1	6786	18602
CD at 5%			1335.6	72.7	15.3	NS	218.2	2716.9
CV (%)			20.1	3.9	3.9	20.6	3.9	20.1
IMHB 1529			7160	2343	493	1175.8	7028	14480
IMHB 1532			9658	2308	486	1532.3	6923	19573
GAMH-1			7827	2277	479	1269.2	6830	15852
HM4-C			8584	2272	478	1378.4	6816	17387
CD at 5%			1235.1	NS	NS	191.2	NS	2524.0
CV (%)			17.6	3.9	3.9	16.9	3.9	17.8

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Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Plants ('000/ha)		Plant height (cm)		Days 50% silking	Number of pickings
			Dholi	Ambikapur	Dholi	Ambikapur	Ambikapur	Ambikapur
1,00,000	150:50:60	IMHB 1529	99.1	96.1	155.7	181.9	50.0	2.0
		IMHB 1532	108.0	98.3	140.7	184.6	52.3	2.3
		GAMH-1	97.8	97.2	162.1	171.4	51.7	2.0
		HM4-C	98.2	96.7	147.8	176.0	51.7	2.3
	200:60:80	IMHB 1529	94.2	96.7	156.1	199.4	50.0	2.3
		IMHB 1532	95.6	96.7	139.1	208.8	52.0	3.3
		GAMH-1	97.8	96.1	161.9	216.6	50.7	2.7
		HM4-C	97.8	97.8	150.7	235.5	51.7	2.7
1,25,000	150:50:60	IMHB 1529	131.1	121.7	156.3	189.5	49.0	1.7
		IMHB 1532	129.3	122.2	139.3	203.5	51.0	2.0
		GAMH-1	129.3	120.6	159.7	193.3	50.7	1.7
		HM4-C	130.2	122.2	148.3	221.1	50.7	2.0
	200:60:80	IMHB 1529	131.1	121.7	157.5	194.7	51.3	1.7
		IMHB 1532	129.8	121.1	139.8	211.2	53.3	2.7
		GAMH-1	131.6	122.2	160.8	205.6	52.7	2.0
		HM4-C	129.3	122.2	150.4	184.1	53.7	2.3
Mean of location			114.4	109.3	151.6	198.6	51.4	2.2
1,00,000			98.6	96.9	151.8	196.8	51.3	2.5
1,25,000			130.2	121.7	151.5	200.4	51.5	2.0
CD at 5%			10.0	2.3	NS	NS	NS	NS
CV (%)			7.1	1.7	1.3	11.2	0.7	23.3
150:50:60			115.4	109.4	151.3	190.2	50.9	2.0
200:60:80			113.4	109.3	152.0	207.0	51.9	2.5
CD at 5%			NS	NS	NS	NS	0.3	0.4
CV (%)			4.0	2.4	1.6	14.9	0.8	24.2
IMHB 1529			113.9	109.0	156.4	191.4	50.1	1.9
IMHB 1532			115.7	109.6	139.7	202.1	52.2	2.6
GAMH-1			114.1	109.0	161.1	196.7	51.4	2.1
HM4-C			113.9	109.7	149.3	204.2	51.9	2.3
CD at 5%			NS	NS	1.9	NS	0.7	0.4
CV (%)			3.9	2.2	1.5	10.1	1.5	19.1

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Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Days of first picking		Net return (Rs./ha)		B:C ratio	
			Dholi	Ambikapur	Dholi	Ambikapur	Dholi	Ambikapur
1,00,000	150:50:60	IMHB 1529	55.3	52.0	57495	87465	2.52	2.33
		IMHB 1532	50.7	54.3	53057	98172	2.40	2.62
		GAMH-1	55.7	53.7	44449	85375	2.17	2.28
		HM4-C	54.3	53.7	44823	90669	2.18	2.42
	200:60:80	IMHB 1529	54.7	53.0	41455	89316	2.09	2.33
		IMHB 1532	51.0	55.0	42577	144107	2.12	3.76
		GAMH-1	54.0	53.7	44449	103101	2.17	2.69
		HM4-C	54.7	54.7	44449	107200	2.17	2.80
1,25,000	150:50:60	IMHB 1529	53.3	51.0	72519	80232	2.91	2.14
		IMHB 1532	48.3	53.0	71022	104256	2.87	2.78
		GAMH-1	57.7	52.7	71022	76845	2.87	2.05
		HM4-C	53.3	52.7	71770	104214	2.89	2.78
	200:60:80	IMHB 1529	52.7	54.3	72519	82162	2.91	2.15
		IMHB 1532	49.3	56.3	71396	142488	2.88	3.72
		GAMH-1	56.7	55.7	72893	113152	2.92	2.95
		HM4-C	52.7	56.7	71022	122258	2.87	3.19
Mean of location			53.4	53.9	59182.1	101938.2	2.56	2.69
1,00,000			53.8	53.8	46594	100676	2.23	2.65
1,25,000			53.0	54.0	71770	103201	2.89	2.72
CD at 5%			NS	NS	8396.8	NS	0.22	NS
CV (%)			1.9	0.7	11.4	23.5	7.0	23.5
150:50:60			53.6	52.9	60769	90903	2.60	2.42
200:60:80			53.2	54.9	57595	112973	2.52	2.95
CD at 5%			NS	0.3	3070.1	NS	0.08	NS
CV (%)			1.4	0.8	6.5	28.2	3.9	28.2
IMHB 1529			54.0	52.6	60997	84794	2.61	2.24
IMHB 1532			49.8	54.7	59513	122256	2.57	3.22
GAMH-1			56.0	53.9	58203	94618	2.54	2.49
HM4-C			53.8	54.4	58016	106085	2.53	2.80
CD at 5%			0.8	0.7	NS	23.3	NS	0.53
CV (%)			1.7	1.5	6.4	23.3	3.9	23.2

Table 21: Performance of pre release baby corn genotypes in *Kharif* under varying planting density and nutrients levels in Peninsular Zone (PZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Babycorn yield with husk (kg/ha)		Babycorn yield without husk (kg/ha)		Green fodder yield (kg/ha)	
			Kolhapur	Vagarai	Kolhapur	Vagarai	Kolhapur	Vagarai
1,00,000	150:50:60	MBC11-15	3542	4572	1742	1295	23028	19753
		GAMH-1	3431	6121	1679	1606	22194	27901
		HM4-C	3806	4818	1887	1293	24694	31142
	200:60:80	MBC11-15	3722	4645	1923	1406	24528	19343
		GAMH-1	3514	7683	1733	1787	25417	29454
		HM4-C	4389	5126	2031	1448	27972	30963
1,25,000	150:50:60	MBC11-15	3389	7601	1713	1779	26556	24590
		GAMH-1	3222	9628	1615	2410	25222	34691
		HM4-C	3986	7926	2003	1985	28417	41065
	200:60:80	MBC11-15	3500	7172	1743	2027	29750	26892
		GAMH-1	3458	9205	1818	2850	28778	31648
		HM4-C	4139	6289	2092	1714	30333	36253
Mean of location			3674.8	6732.2	1831.5	1800.0	26407.4	29474.5
1,00,000			3734	5494	1832	1473	24639	26426
1,25,000			3616	7970	1831	2127	28176	32523
CD at 5%			NS	NS	NS	NS	2130.9	NS
CV (%)			6.8	39.3	2.7	46.0	5.6	17.3
150:50:60			3563	6778	1773	1728	25019	29857
200:60:80			3787	6687	1890	1872	27796	29092
CD at 5%			NS	NS	93.6	NS	1396.9	NS
CV (%)			7.2	25.9	5.5	22.4	5.7	12.0
MBC11-15			3538	5997	1780	1627	25965	22644
GAMH-1			3406	8159	1711	2163	25403	30924
HM4-C			4080	6040	2003	1610	27854	34856
CD at 5%			136.9	726.5	61.7	217.1	1091.9	2600.8
CV (%)			4.3	12.5	3.9	13.9	4.8	10.2

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Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Plants ('000/ha)		Cobs ('000/ha)	Plant height (cm)	
			Kolhapur	Vagarai	Vagarai	Kolhapur	Vagarai
1,00,000	150:50:60	MBC11-15	68.9	77.2	91.7	181.7	156.1
		GAMH-1	71.4	82.4	106.8	179.0	176.1
		HM4-C	74.2	78.1	88.0	185.0	162.7
	200:60:80	MBC11-15	77.5	77.2	87.0	180.7	151.9
		GAMH-1	78.3	84.3	128.7	177.7	168.3
		HM4-C	78.9	90.4	91.4	181.7	172.0
1,25,000	150:50:60	MBC11-15	87.8	96.3	144.4	174.3	149.0
		GAMH-1	91.4	96.9	165.7	174.0	171.4
		HM4-C	91.9	100.6	140.4	180.0	167.8
	200:60:80	MBC11-15	86.1	91.4	129.0	178.7	149.9
		GAMH-1	87.2	105.6	144.8	175.7	171.2
		HM4-C	91.7	99.1	112.0	178.7	168.7
Mean of location			82.1	89.9	119.2	178.9	163.8
1,00,000			74.9	81.6	98.9	180.9	164.5
1,25,000			89.4	98.3	139.4	176.9	163.0
CD at 5%			2.0	3.9	NS	1.0	NS
CV (%)			1.7	3.0	36.5	0.4	8.2
150:50:60			80.9	88.6	122.8	179.0	163.9
200:60:80			83.3	91.3	115.5	178.8	163.7
CD at 5%			1.8	NS	NS	NS	NS
CV (%)			2.4	5.6	20.1	2.4	4.1
MBC11-15			80.1	85.5	113.0	178.8	151.7
GAMH-1			82.1	92.3	136.5	176.6	171.8
HM4-C			84.2	92.1	107.9	181.3	167.8
CD at 5%			0.8	NS	11.2	2.0	9.3
CV (%)			1.1	12.8	10.9	1.3	6.5

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Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Days to first picking	No of pickings	Net returns (Rs. /ha)	B:C ratio
			Vagarai	Vagarai	Vagarai	Vagarai
1,00,000	150:50:60	MBC11-15	51.7	9.0	125211	2.84
		GAMH-1	50.0	10.0	159532	3.35
		HM4-C	51.7	10.0	123498	2.82
	200:60:80	MBC11-15	53.0	8.3	114097	2.64
		GAMH-1	51.3	10.3	202486	3.91
		HM4-C	53.0	9.0	128550	2.85
1,25,000	150:50:60	MBC11-15	50.3	10.3	233185	4.43
		GAMH-1	50.0	10.7	280828	5.13
		HM4-C	51.7	10.0	233398	4.43
	200:60:80	MBC11-15	51.3	10.3	201823	3.90
		GAMH-1	50.0	10.7	235682	4.38
		HM4-C	52.7	9.3	172553	3.48
Mean of location			51.4	9.8	184236.9	3.68
1,00,000			51.8	9.4	142229	3.07
1,25,000			51.0	10.2	226245	4.29
CD at 5%			NS	NS	NS	NS
CV (%)			1.2	11.9	47.6	34.4
150:50:60			50.9	10.0	192609	3.83
200:60:80			51.9	9.7	175865	3.53
CD at 5%			NS	NS	NS	NS
CV (%)			2.4	9.1	26.7	19.3
MBC11-15			51.6	9.5	168579	3.45
GAMH-1			50.3	10.4	219632	4.19
HM4-C			52.3	9.6	164500	3.39
CD at 5%			1.3	0.7	23117.3	0.3
CV (%)			3.0	8.6	14.5	10.6

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Table 22: Performance of pre release baby corn genotypes in *Kharif* under varying planting density and nutrients levels in Central West Zone (CWZ).

Density	N:P ₂ O ₅ :K ₂ O	Genotypes	Baby corn yield with husk (kg/ha)	Baby corn yield without husk (kg/ha)	Green fodder yield (kg/ha)	Plants ('000/ha)	Plant height (cm)	Days to first picking	Net returns (Rs./ha)	B:C ratio
100,000	State Recommendation (120:60:40)	IMHB 1532	11046	2857	18955	90.5	222.0	46.0	79230	2.20
		GAMH-1	8930	2067	13180	88.7	188.6	49.0	52870	1.47
		HM4-C	10458	1998	12927	90.5	220.5	49.0	63061	1.75
	150:50:60	IMHB 1532	15493	4117	26338	91.0	233.1	46.0	123628	3.30
		GAMH-1	12826	2953	18727	88.7	196.7	49.0	89738	2.39
		HM4-C	14177	3253	20755	91.5	232.8	49.0	103250	2.75
	200:60:80	IMHB 1532	16507	4395	28128	90.0	240.0	46.0	132804	3.41
		GAMH-1	13486	3151	19744	91.7	210.3	49.0	94894	2.43
		HM4-C	17585	3289	21735	81.5	231.5	49.0	127562	3.27
125,000	State Recommendation	IMHB 1532	13301	3537	22612	110.0	216.6	46.0	101334	2.74
		GAMH-1	10788	2425	15534	101.4	173.1	49.0	69581	1.88
		HM4-C	12281	2313	14738	114.8	216.3	49.0	78444	2.12
	150:50:60	IMHB 1532	18629	4836	31372	110.3	227.7	46.0	154647	4.02
		GAMH-1	15496	3462	22004	101.4	182.7	49.0	113979	2.96
		HM4-C	17059	3299	21290	114.9	230.0	49.0	123493	3.21
	200:60:80	IMHB 1532	19229	4565	29228	115.3	232.4	46.0	153561	3.89
		GAMH-1	15926	3644	23316	112.7	205.1	49.0	118617	3.00
		HM4-C	18924	3729	23617	116.4	229.2	49.0	140199	3.55
Mean of location			14563.4	3327.2	21344.4	100.1	216.0	48.0	106716.2	2.80
100,000			13390	3120	20054	89.4	219.5	48.0	96337	2.55
125,000			15737	3534	22634	110.8	212.6	48.0	117095	3.04
CD at 5%			355.6	25.1	436.9	6.2	NS	0.0	3362.3	0.09
CV (%)			2.1	0.6	1.7	5.3	6.5	0.0	2.7	2.73
State Recommendation			11134	2533	16324	99.3	206.2	48.0	74087	2.03
150:50:60			15613	3654	23414	99.6	217.2	48.0	118122	3.10
200:60:80			16943	3795	24295	101.3	224.8	48.0	127939	3.26
CD at 5%			210.6	16.8	322.0	NS	4.0	0.0	2112.9	0.06
CV (%)			1.9	0.7	2.0	5.0	2.4	0.0	2.6	2.63
IMHB 1532			15701	4051	26105	101.2	228.6	46.0	124201	3.26
GAMH-1			12909	2950	18751	97.5	192.7	49.0	89946	2.36
HM4-C			15081	2980	19177	101.6	226.7	49.0	106001	2.78
CD at 5%			277.6	52.6	399.1	2.6	6.1	0.0	2737.6	0.07
CV (%)			2.8	2.3	2.7	3.8	4.1	0.0	3.7	3.72

Table 23: Nutrient management in maize-wheat-green gram/cowpea cropping system under different tillage practices in Pantnagar.

Tillage practices	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking
Zero Tillage	FFP	5350	8175	64.0	64.0	164.5	54.3	57.7
	SSNM	6004	8492	60.8	60.8	174.1	54.0	57.3
	100% RDF	6097	8439	64.0	64.0	172.3	54.3	58.0
Conventional	FFP	5313	8095	64.0	64.0	152.7	54.3	57.3
	SSNM	5939	8228	62.4	62.4	157.2	54.7	58.0
	100% RDF	5992	8333	61.4	61.4	159.4	54.3	57.3
Permanent Beds	FFP	5150	7963	61.9	61.9	160.5	54.0	57.0
	SSNM	5774	8280	63.0	63.0	167.9	55.0	58.0
	100% RDF	6022	8386	61.4	61.4	168.6	54.3	57.7
Location mean		5737.7	8265.7	62.6	62.6	164.1	54.4	57.6
C.D.(5%) AiBj-AiBk		790.1	1784.2	6.4	6.4	14.3	0.8	0.8
C.D.(5%) AiBk-AjBk		856.0	1804.5	7.4	7.4	15.4	1.3	1.2
F(5%)		NS	NS	NS	NS	NS	NS	NS
Zero tillage		5817	8369	63.0	63.0	170.3	54.2	57.7
Conventional tillage		5748	8219	62.6	62.6	156.4	54.4	57.6
Permanent bed		5648	8210	62.1	62.1	165.7	54.4	57.6
C.D. (5%) Ai-Aj		571.7	1083.7	5.3	5.3	10.2	1.1	1.0
C.V. (%) Error A		7.6	10.0	6.5	6.5	4.7	1.6	1.3
F (5%)		NS	NS	NS	NS	S	NS	NS
FFP (93:64:32)		5271	8078	63.3	63.3	159.2	54.2	57.3
SSNM (120:10:46)		5906	8333	62.1	62.1	166.4	54.6	57.8
100% RDF (120:60:40)		6037	8386	62.3	62.3	166.8	54.3	57.7
C.D. (5%) Bi-Bj		456.1	1030.1	3.7	3.7	8.3	0.5	0.4
C.V. (%) ErrorB		7.7	12.1	5.8	5.8	4.9	0.9	0.7
F (5%)		S	NS	NS	NS	NS	NS	NS

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Tillage practices	Nutrient management	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio	Cob length (cm)	Cob girth (cm)	N uptake (kg/ha)		
							Grain	Stover	Total
Zero Tillage	FFP	28.0	58176	3.22	14.4	12.3	69.7	29.6	99.3
	SSNM	28.6	66856	3.58	15.3	13.3	77.4	38.6	116.1
	100% RDF	28.8	66798	3.33	15.2	13.7	80.7	42.1	122.8
Conventional	FFP	28.0	49474	1.89	14.2	12.1	72.6	28.6	101.2
	SSNM	29.0	57759	2.15	15.1	13.2	82.9	37.2	120.1
	100% RDF	28.2	57130	2.02	15.2	13.3	80.2	35.3	115.5
Permanent Beds	FFP	28.3	53129	2.62	14.1	12.1	67.0	30.4	97.4
	SSNM	28.4	61378	2.94	15.3	13.1	78.2	33.4	111.6
	100% RDF	28.9	63537	2.85	15.3	13.2	82.8	39.7	122.5

Location mean	28.5	59359.6	2.73	14.9	12.9	76.8	35.0	111.8
C.D.(5%) AiBj-AiBk	2.2	11258.6	0.54	0.5	0.5	13.7	19.4	18.2
C.D.(5%) AiBk-AjBk	2.1	12198.4	0.57	0.8	0.5	14.5	18.8	21.0
F(5%)	NS	NS	NS	NS	NS	NS	NS	NS

Zero tillage	28.5	63944	3.37	15.0	13.1	75.9	36.8	112.7
Conventional tillage	28.4	54788	2.02	14.8	12.8	78.6	33.7	112.3
Permanent bed	28.5	59348	2.80	14.9	12.8	76.0	34.5	110.5

C.D. (5%) Ai-Aj	1.1	8146.6	0.37	0.6	0.2	9.4	10.4	15.1
C.V. (%) Error A	2.9	10.5	10.3	3.3	1.5	9.3	22.7	10.3
F (5%)	NS	NS	S	NS	NS	NS	NS	NS

FFP (93:64:32)	28.1	53593	2.58	14.2	12.1	69.8	29.5	99.3
SSNM (120:10:46)	28.7	61998	2.89	15.2	13.2	79.5	36.4	115.9
100% RDF (120:60:40)	28.6	62488	2.73	15.2	13.4	81.2	39.1	120.3

C.D. (5%) Bi-Bj	1.3	6500.1	0.31	0.3	0.3	7.9	11.2	10.5
C.V. (%) ErrorB	4.4	10.7	11.2	2.0	2.3	10.0	31.1	9.1
F (5%)	NS	S	NS	S	S	S	NS	S

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Tillage practices	Nutrient management	P uptake (kg/ha)			K uptake (kg/ha)		
		Grain	Stover	Total	Grain	Stover	Total
Zero Tillage	FFP	16.1	9.5	25.6	16.3	73.6	89.9
	SSNM	17.6	9.8	27.4	18.2	73.3	91.5
	100% RDF	18.7	10.1	28.9	19.7	75.0	94.7
Conventional	FFP	15.7	10.6	26.2	17.1	71.1	88.2
	SSNM	17.0	8.9	25.9	19.3	72.2	91.5
	100% RDF	17.4	10.9	28.3	20.6	72.4	93.0
Permanent Beds	FFP	16.2	10.5	26.6	16.2	73.0	89.2
	SSNM	16.7	10.1	26.8	17.7	73.5	91.2
	100% RDF	17.8	11.0	28.8	19.7	72.8	92.5

Location mean	17.0	10.1	27.2	18.3	73.0	91.3
C.D.(5%) AiBj-AiBk	2.8	3.0	4.8	3.6	25.3	27.7
C.D.(5%) AiBk-AjBk	2.8	3.6	4.9	5.3	25.3	27.6
F(5%)	NS	NS	NS	NS	NS	NS

Zero tillage	17.5	9.8	27.3	18.1	74.0	92.1
Conventional tillage	16.7	10.1	26.8	19.0	71.9	90.9
Permanent bed	16.9	10.5	27.4	17.9	73.1	91.0

C.D. (5%) Ai-Aj	1.7	2.6	3.0	4.4	14.8	16.1
C.V. (%) Error A	7.6	19.7	8.4	18.4	15.5	13.4
F (5%)	NS	NS	NS	NS	NS	NS

FFP (93:64:32)	16.0	10.2	26.2	16.5	72.6	89.1
SSNM (120:10:46)	17.1	9.6	26.7	18.4	73.0	91.4
100% RDF (120:60:40)	18.0	10.7	28.7	20.0	73.4	93.4

C.D. (5%) Bi-Bj	1.6	1.7	2.8	2.1	14.6	16.0
C.V. (%) ErrorB	9.3	16.6	10.0	11.2	19.5	17.0
F (5%)	NS	NS	NS	S	NS	NS

Table 24: Nutrient management in maize-wheat-green gram cropping system under different tillage practices in Dholi.

Tillage practices	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Days of 50% tasseling	Days of 50% silking
Zero Tillage	RDF	4706	6254	6550	73.7	73.7	59.3	63.0
	SSNM	5488	7222	6963	73.5	73.1	59.3	63.3
	FFP	4966	6472	7190	73.9	72.9	60.0	64.0
Conventional Tillage	RDF	4426	5883	6301	73.1	72.9	61.0	64.3
	SSNM	4605	6083	6661	71.9	71.9	58.3	62.3
	FFP	4030	5291	6701	73.9	73.5	59.3	63.0
Permanent Bed	RDF	4889	6515	6967	73.9	73.5	60.3	64.0
	SSNM	5266	6947	7249	74.2	73.5	59.0	62.3
	FFP	4661	6089	7500	73.7	72.9	60.7	64.3

Location mean	4781.9	6306.2	6898.0	73.5	73.1	59.7	63.4
C.D.(5%) AiBj-AiBk	400.6	759.0	999.8	1.4	1.8	1.8	1.8
C.D.(5%) AiBk-AjBk	391.6	745.5	982.7	1.5	1.5	1.5	1.5
F(5%)	NS	NS	NS	NS	NS	NS	NS

Zero tillage	5053	6901	6649	73.7	73.2	59.6	63.4
Conventional tillage	4354	6554	5752	72.9	72.7	59.6	63.2
Permanent bed	4939	7239	6517	73.9	73.3	60.0	63.6

C.D. (5%) Ai-Aj	422.2	286.7	557.1	0.9	0.4	0.4	0.4
C.V. (%) Error A	6.7	3.2	6.8	1.0	0.4	0.5	0.5
F (5%)	S	S	S	NS	S	NS	NS

RDF (120:40:30)	4674	6606	6218	73.5	73.3	60.2	63.8
SSNM (170:45:70)	5120	6958	6751	73.2	72.8	58.9	62.7
FFP (200:60:50)	4553	7130	5950	73.8	73.1	60.0	63.8

C.D. (5%) Bi-Bj	438.2	305.5	577.2	0.8	1.1	1.0	1.1
C.V. (%) ErrorB	8.9	4.3	8.9	1.1	1.4	1.7	1.6
F (5%)	S	S	S	NS	NS	S	NS

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Tillage practices	Nutrient management	Days of maturity	Plant height (cm)	Ear height (cm)	Cob length (cm)	Cob girth (cm)	Net Return (Rs./ha)	BC ratio
Zero Tillage	RDF	96.0	191.0	77.3	14.7	10.7	29693	1.73
	SSNM	96.7	186.0	69.0	14.3	11.7	41425	2.01
	FFP	96.0	187.3	71.0	13.7	15.7	33605	1.82
Conventional Tillage	RDF	95.7	192.3	75.0	16.0	13.0	25504	1.62
	SSNM	96.7	188.0	72.7	16.0	13.0	28184	1.69
	FFP	95.3	183.7	70.3	15.3	13.0	19567	1.48
Permanent Bed	RDF	95.0	179.7	72.7	17.0	13.0	32450	1.79
	SSNM	96.3	185.7	73.7	14.3	10.7	38101	1.93
	FFP	95.3	185.7	73.3	13.7	10.7	29024	1.71

Location mean	95.9	186.6	72.8	15.0	12.4	30839.2	1.75
C.D.(5%) AiBj-AiBk	3.2	19.4	12.4	2.6	1.5	6008.9	11384.4
C.D.(5%) AiBk-AjBk	2.8	16.3	10.6	3.9	3.1	5873.8	11183.0
F(5%)	NS	NS	NS	NS	S	NS	NS

Zero tillage	96.2	188.1	72.4	14.2	12.7	37793	34908
Conventional tillage	95.9	188.0	72.7	15.8	13.0	33548	24418
Permanent bed	95.6	183.7	73.2	15.0	11.4	41436	33192

C.D. (5%) Ai-Aj	1.1	3.8	3.0	3.3	2.9	3289.6	6332.3
C.V. (%) Error A	0.9	1.6	3.1	16.9	17.9	6.7	15.7
F (5%)	NS	NS	NS	NS	NS	S	S

RDF (120:40:30)	95.6	187.7	75.0	15.9	12.2	33593	29216
SSNM (170:45:70)	96.6	186.6	71.8	14.9	11.8	38255	35903
FFP (200:60:50)	95.6	185.6	71.6	14.2	13.1	40928	27398

C.D. (5%) Bi-Bj	1.8	11.2	7.2	1.5	0.9	3469.3	6572.8
C.V. (%) ErrorB	1.9	5.9	9.6	9.7	6.8	9.0	20.7
F (5%)	NS	NS	NS	NS	S	S	S

Table 25: Nutrient management in maize-wheat-green gram cropping system under different tillage practices in Udaipur.

Tillage practices	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	Cob length (cm)
Zero tillage	RDF	4502	6748	64.2	70.5	220.3	45.0	51.0	17.0
	SSNM	5321	8243	64.1	72.5	230.0	44.0	50.0	18.0
	FFP	3219	4731	64.0	69.2	200.5	46.0	52.0	15.1
Conventional tillage	RDF	4026	5833	63.2	68.4	215.5	45.0	51.0	16.2
	SSNM	4504	6756	63.4	70.4	220.4	44.0	50.0	17.2
	FFP	2719	3948	63.3	66.9	195.3	46.0	52.0	14.1
Bed planting	RDF	4328	6358	64.2	68.0	225.5	45.7	51.0	16.6
	SSNM	5032	7498	64.1	71.6	235.9	44.0	50.0	17.5
	FFP	3037	4429	63.9	67.8	205.4	45.7	52.0	14.5
Location mean		4076.5	6060.6	63.8	69.5	216.5	45.0	51.0	16.3
C.D.(5%) AiBj-AiBk		470.9	704.5	3.7	4.3	12.8	2.7	3.4	1.3
C.D.(5%) AiBk-AjBk		392.8	592.0	3.1	3.6	10.6	2.7	3.0	1.1
F(5%)		NS	NS	NS	NS	NS	NS	NS	NS
Zero tillage		4347	6574	64.1	70.7	216.9	45.0	51.0	16.7
Conventional tillage		3750	5512	63.3	68.6	210.4	45.0	51.0	15.8
Bed planting		4132	6095	64.1	69.1	222.2	45.1	51.0	16.2
C.D. (5%) Ai-Aj		82.1	143.0	0.3	0.9	1.7	1.6	1.0	0.3
C.V. (%) Error A		1.5	1.8	0.3	1.0	0.6	2.7	1.5	1.6
F (5%)		S	S	S	S	S	NS	NS	S
RDF (90:40:30)		4285	6313	63.9	69.0	220.4	45.2	51.0	16.6
SSNM (134:52:00)		4952	7499	63.9	71.5	228.7	44.0	50.0	17.6
FFP (80:30:00)		2992	4370	63.7	68.0	200.4	45.9	52.0	14.6
C.D. (5%) Bi-Bj		271.9	406.8	2.2	2.5	7.4	1.5	2.0	0.7
C.V. (%) ErrorB		6.5	6.5	3.3	3.4	3.3	3.3	3.8	4.4
F (5%)		S	S	NS	S	S	NS	NS	S

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Table 26: Nutrient management in rice - maize cropping system under different tillage practices in Dholi.

Tillage practices	Nutrient management	Grain yield (kg/ha)	Stalk yield (kg/ha)	Days of flowering	Days of maturity	Plant height (cm)	Ear height (cm)
Zero Tillage	RDF	5039	8529	98.7	127.7	96.3	34.1
	SSNM	4862	8687	98.3	125.7	93.7	29.9
	FFP	5439	7897	98.3	126.0	93.2	28.8
Conventional Tillage	RDF	5328	7798	98.7	127.7	94.1	29.5
	SSNM	4817	7384	99.7	126.7	92.8	30.0
	FFP	5150	8292	98.7	127.3	94.7	30.1
Permanent Bed	RDF	4928	7897	99.3	127.0	95.8	28.9
	SSNM	4640	7976	98.7	126.3	94.0	28.5
	FFP	5217	7739	99.3	128.3	94.7	28.8
Location mean		5046.7	8022.1	98.9	127.0	94.3	29.9
C.D.(5%) AiBj-AiBk		660.5	1261.9	2.2	2.7	5.3	3.9
C.D.(5%) AiBk-AjBk		872.0	1566.7	1.9	3.0	4.4	4.3
F(5%)		NS	NS	NS	NS	NS	NS
Zero tillage		5113	8371	98.4	126.4	94.4	30.9
Conventional tillage		5099	7825	99.0	127.2	93.8	29.9
Permanent bed		4928	7871	99.1	127.2	94.8	28.8
C.D. (5%) Ai-Aj		693.2	1195.4	0.8	2.2	1.0	2.9
C.V. (%) Error A		10.5	11.4	0.6	1.3	0.8	7.3
F (5%)		NS	NS	NS	NS	NS	NS
RDF (120:60:50)		5099	8075	98.9	127.4	95.4	30.8
SSNM (130:75:45)		477	8016	98.9	126.2	93.5	29.5
FFP (160:75:60)		5269	7976	98.8	127.2	94.2	29.2
C.D. (5%) Bi-Bj		381.4	728.6	1.2	1.5	3.1	2.3
C.V. (%) ErrorB		7.4	8.8	1.2	1.2	3.1	7.4
F (5%)		S	NS	NS	NS	NS	NS

Table 27: Nutrient management in maize-oat cropping systems under different tillage practices in Srinagar.

Tillage practices	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking	100-seed weight (g)
Zero tillage	RDF	5357	13756	82.3	97.4	244.7	82.7	88.0	25.8
	SSNM	5561	13327	82.3	98.0	235.0	83.0	86.7	25.7
	FFP	4278	10391	82.4	89.7	228.3	79.7	85.0	22.6
Conventional till	RDF	4955	10688	82.5	95.9	240.7	83.0	87.0	25.1
	SSNM	5177	10604	82.4	95.8	243.0	83.7	88.3	24.6
	FFP	4043	11840	82.6	86.1	219.0	79.7	85.0	22.7
Permanent bed	RDF	5526	13921	82.9	88.2	239.0	85.0	89.3	24.7
	SSNM	5455	14107	82.3	89.3	244.3	84.0	89.3	24.8
	FFP	4113	11134	82.1	79.8	224.0	82.3	86.0	22.4
Location mean		4940.6	12196.4	82.4	91.1	235.3	82.6	87.2	24.3
C.D.(5%) AiBj-AiBk		488.2	540.0	1.2	3.1	16.8	2.4	2.6	1.4
C.D.(5%) AiBk-AjBk		431.5	609.3	1.2	2.9	16.0	2.6	2.7	1.4
F(5%)		NS	S	NS	NS	NS	NS	NS	NS
Zero tillage		5065	12491	82.3	95.0	236.0	81.8	86.6	24.7
Conventional tillage		4725	11044	82.5	92.6	234.2	82.1	86.8	24.1
Permanent bed		5031	13054	82.4	85.8	235.8	83.8	88.2	24.0
C.D. (5%) Ai-Aj		168.9	426.9	0.7	1.5	8.5	1.7	1.7	0.8
C.V. (%) Error A		2.6	2.7	0.7	1.2	2.8	1.6	1.5	2.6
F (5%)		S	S	NS	S	NS	NS	NS	NS
RDF (120:60:40)		5279	12788	82.6	93.8	241.4	83.6	88.1	25.2
SSNM (90:50:30)		5398	12679	82.3	94.4	240.8	83.6	88.1	25.0
FFP (20:10:00)		4145	11122	82.4	85.2	223.8	80.6	85.3	22.6
C.D. (5%) Bi-Bj		281.9	311.8	0.7	1.8	9.7	1.4	1.5	0.8
C.V. (%) ErrorB		5.6	2.5	0.8	1.9	4.0	1.6	1.7	3.3
F (5%)		S	S	NS	S	S	S	S	S

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Tillage practices	Nutrient management	Net returns (Rs. /ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
Zero tillage	RDF	125313	2.7	10.9	21.0	14.0	13.4	44.7
	SSNM	125135	2.6	15.4	20.4	13.9	11.7	41.3
	FFP	78819	1.8	19.8	20.2	12.2	10.9	35.1
Conventional till	RDF	98376	2.5	11.5	22.6	14.1	14.1	46.6
	SSNM	102003	2.4	14.5	21.7	12.2	14.3	46.4
	FFP	67272	1.5	21.3	21.2	11.0	10.4	40.6
Permanent bed	RDF	99020	2.2	10.0	21.4	13.9	13.9	45.5
	SSNM	99050	2.2	21.2	20.9	12.3	13.4	42.6
	FFP	50978	1.2	24.4	20.8	11.7	10.8	36.9

Location mean	93996.3	2.1	16.6	21.1	12.8	12.5	42.2
C.D.(5%) AiBj-AiBk	5224.2	0.3	2.4	2.3	2.0	2.2	3.0
C.D.(5%) AiBk-AjBk	4640.1	0.2	2.9	1.9	1.9	2.1	2.9
F(5%)	S	NS	S	NS	NS	NS	NS

Zero tillage	109756	2.4	15.4	20.5	13.4	12.0	40.4
Conventional tillage	89217	2.1	15.8	21.8	12.5	13.0	44.5
Permanent bed	83016	1.9	18.6	21.0	12.7	12.7	41.7

C.D. (5%) Ai-Aj	1865.4	0.1	2.2	0.3	1.0	1.2	1.6
C.V. (%) Error A	1.5	2.4	10.0	1.1	5.9	7.2	2.9
F (5%)	S	S	S	S	NS	NS	S

RDF (120:60:40)	107570	2.5	10.8	21.7	14.0	13.8	45.6
SSNM (90:50:30)	108729	2.4	17.1	21.0	12.8	13.1	43.4
FFP (20:10:00)	65690	1.5	21.8	20.7	11.6	10.7	37.6

C.D. (5%) Bi-Bj	3016.2	0.1	1.4	1.3	1.1	1.3	1.7
C.V. (%) ErrorB	3.1	6.8	8.3	6.1	8.7	9.9	4.0
F (5%)	S	S	S	NS	S	S	S

Table 28: Nutrient management in rainfed maize-based cropping systems under different tillage practices in Delhi.

Tillage practices	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Cob length (cm)	100 grain weight (g)	Shelling (%)
Permanent bed	FFP	3430	6693	4333	15.1	24.8	79.2
	RDF	4441	8500	5267	15.5	25.9	85.3
	NE	4950	8767	5900	16.3	26.6	83.4
	Half RDF+R	3884	7167	4800	16.4	26.1	80.5
Zero-tilled flatbed	FFP	3638	5927	4800	14.2	25.1	76.3
	RDF	4412	7893	5767	16.1	26.1	76.3
	NE	4758	7733	6067	17.0	26.9	78.4
	Half RDF+R	4304	7233	5433	15.9	26.9	79.0
Conventional raised bed	FFP	3007	4700	3400	14.3	24.1	88.8
	RDF	3471	6033	4500	15.4	26.4	77.0
	NE	3479	7867	4500	15.4	25.7	77.4
	Half RDF+R	2761	6267	3867	13.9	25.7	71.2

Location mean	3877.9	7065.0	4886.1	15.5	25.9	79.4
C.D.(5%) AiBj-AiBk	722.1	1174.8	779.5	0.9	1.3	13.4
C.D.(5%) AiBk-AjBk	985.4	1364.5	1305.0	1.0	1.9	15.5
F(5%)	NS	NS	NS	S	NS	NS

Permanent bed	4176	7782	5075	15.8	25.9	82.1
Zero-tilled flatbed	4278	7197	5517	15.8	26.3	77.5
Conventional raised bed	3179	6217	4067	14.8	25.5	78.6

C.D. (5%) Ai-Aj	773.8	928.1	1129.7	0.7	1.5	10.5
C.V. (%) Error A	17.6	11.6	20.4	3.9	5.2	11.6
F (5%)	S	S	NS	S	NS	NS

FFP	3359	5773	4178	14.5	24.7	81.4
RDF	4108	7476	5178	15.7	26.2	79.5
NE	4396	8122	5489	16.2	26.4	79.7
Half RDF+R	3650	6889	4700	15.4	26.2	76.9

C.D. (5%) Bi-Bj	416.9	678.3	450.0	0.5	0.8	7.7
C.V. (%) ErrorB	10.9	9.7	9.3	3.2	3.0	9.8
F (5%)	S	S	S	S	S	NS

Main plots treatments: Tillage practices

- T₁. Permanent bed (PNB)
T₂. Zero-tilled flatbed (ZT-FB).
T₃. Conventional raised bed (CT-RB)

Sub plots treatments: Fertility levels

- N₁. Farmers fertilizer practices
N₂. Recommended fertilizer application
N₃. Nutrient Expert® guided NPK fertilizer application
N₄. 50% recommended fertilizer application + 2.5 t crop residue of previous crop

Table 29: Nutrient management in maize based cropping system under different tillage practices in Banswara.

Tillage practices	Nutrient management	Yield of rabi maize (kg/ha)	Yield of blackgram (kg/ha)	Maize equivalent yield (kg/ha)	Maize equivalent yield of system (kg/ha)
Zero tillage	RDF	9688	1063	3868	13555
	SSNM	10493	1306	4752	15245
	FFP	8521	764	2781	11302
Conventional till	RDF	7986	729	2654	10640
	SSNM	9236	792	2882	12118
	FFP	6161	556	2022	8183
Permanent bed	RDF	8194	896	3261	11455
	SSNM	9514	1021	3716	13230
	FFP	6194	674	2452	8646
Location mean		8443.1	866.5	3154.1	11597.2
C.D.(5%) AiBj-AiBk		1306.7	162.7	592.4	1376.3
C.D.(5%) AiBk-AjBk		1345.6	171.8	625.3	1306.8
F(5%)		NS	NS	NS	NS
Zero tillage		9567	1044	3800	13367
Conventional tillage		7794	692	2519	10314
Permanent bed		7968	863	3143	11110
C.D. (5%) Ai-Aj		834.1	110.7	402.9	679.9
C.V. (%) Error A		7.5	9.8	9.8	4.5
F (5%)		S	S	S	S
RDF (150:60:40)		8623	896	3261	11884
SSNM (208:59:66)		9748	1039	3783	13531
FFP (110:46:00)		6959	664	2418	9377
C.D. (5%) Bi-Bj		754.4	94.0	342.0	794.6
C.V. (%) ErrorB		8.7	10.6	10.6	6.7
F (5%)		S	S	S	S

Table 30: Nutrient management in maize based rainfed cropping systems under different tillage practices in Chhindwara.

Tillage practices	Nutrient levels	Density (cm)	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking
Zero tillage	60:30:20	60x20	4277	8372	74.4	71.1	199.8	58.7	64.3
		50x20	4358	8818	89.7	90.5	197.3	58.0	64.7
	120:60:40	60x20	6410	13620	75.5	76.6	204.2	57.3	64.0
		50x20	6534	13774	93.0	89.4	208.3	56.7	64.3
	140:34:71	60x20	6999	14484	76.3	76.0	211.6	55.3	64.3
		50x20	7330	14746	91.3	87.7	211.9	54.3	64.7
Conventional tillage	60:30:20	60x20	4765	9940	75.8	73.8	202.4	56.7	62.7
		50x20	4812	10656	94.7	88.3	202.4	57.3	63.0
	120:60:40	60x20	6491	14013	77.2	77.4	204.6	56.0	62.7
		50x20	7171	14394	94.9	93.4	212.7	56.7	63.0
	140:34:71	60x20	7180	14970	78.4	75.3	213.0	54.0	62.3
		50x20	7674	14848	93.8	91.7	216.0	55.0	63.3
Permanent bed	60:30:20	60x20	4218	8260	74.5	70.5	198.0	56.7	63.3
		50x20	4248	8421	85.0	85.9	199.5	56.7	64.0
	120:60:40	60x20	6357	13390	76.1	75.5	202.8	56.0	63.7
		50x20	6649	13481	85.4	86.4	208.6	57.7	63.3
	140:34:71	60x20	6801	14253	76.9	74.0	210.8	55.3	63.0
		50x20	6809	14523	89.1	86.0	212.3	56.3	63.7
Mean of location			6060.2	12497.8	83.4	81.6	206.5	56.4	63.6
Zero tillage			5985	12302	83.4	81.9	205.5	56.7	64.4
Conventional tillage			6349	13137	85.8	83.3	208.5	55.9	62.8
Permanent bed			5847	12054	81.2	79.7	205.3	56.4	63.5
CD at 5%			288.9	431.9	2.8	NS	NS	0.3	0.4
CV (%)			5.2	3.7	3.6	4.2	3.0	0.5	0.7
60:30:20			4446	9078	82.4	80.0	199.9	57.3	63.7
120:60:40			6602	13779	83.7	83.1	206.9	56.7	63.5
140:34:71			7132	14637	84.3	81.8	212.6	55.1	63.6
CD at 5%			205.7	617.7	NS	2.0	4.1	0.7	NS
CV (%)			4.7	6.8	2.7	3.4	2.8	1.6	1.0
60x20 (cm)			5944	12367	76.1	74.5	205.3	56.2	63.4
50x20 (cm)			6176	12629	90.8	88.8	207.7	56.5	63.8
CD at 5%			223.6	NS	1.3	1.8	NS	NS	NS
CV (%)			6.5	5.6	2.8	3.8	2.4	1.1	1.2

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Tillage practices	Nutrient levels	Density (cm)	Net returns (Rs./ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
Zero tillage	60:30:20	60x20	39798	1.51	6.5	16.3	16.2	12.9	26.0
		50x20	41336	1.57	7.3	15.7	16.0	13.1	25.7
	120:60:40	60x20	69840	2.30	4.0	17.0	16.6	13.8	27.3
		50x20	71677	2.36	4.6	16.7	16.2	13.1	26.3
	140:34:71	60x20	76657	2.37	4.3	18.0	16.8	14.4	30.7
		50x20	81390	2.52	4.2	17.6	16.8	14.4	28.3
Conventional tillage	60:30:20	60x20	47926	1.82	3.8	18.2	16.5	13.8	28.7
		50x20	49280	1.87	4.1	18.9	16.2	13.7	27.7
	120:60:40	60x20	69300	2.14	3.4	19.7	16.6	14.5	31.7
		50x20	78856	2.44	3.9	19.1	16.6	13.9	29.3
	140:34:71	60x20	77361	2.24	2.4	20.6	17.1	15.2	31.3
		50x20	83916	2.43	3.0	20.5	16.8	14.5	30.7
Permanent bed	60:30:20	60x20	38886	1.48	5.0	16.5	16.5	13.3	27.0
		50x20	39461	1.50	5.9	15.4	15.3	13.3	27.0
	120:60:40	60x20	68895	2.27	4.2	18.5	15.8	14.9	29.0
		50x20	72931	2.41	4.6	18.3	15.6	14.5	28.3
	140:34:71	60x20	73555	2.26	3.4	19.2	16.1	15.3	31.0
		50x20	73939	2.27	3.6	18.9	16.3	14.3	30.0

Mean of location 64166.9 2.10 4.3 18.1 16.3 14.1 28.7

Zero tillage	63450	2.11	5.1	16.9	16.5	13.6	27.4
Conventional tillage	67773	2.16	3.4	19.5	16.6	14.2	29.9
Permanent bed	61278	2.03	4.4	17.8	15.9	14.3	28.7

CD at 5% 4183.8 NS NS 1.0 NS NS NS

CV (%) 7.0 7.1 36.3 6.0 6.2 9.1 9.6

60:30:20	42781	1.63	5.4	16.8	16.1	13.4	27.0
120:60:40	71916	2.32	4.1	18.2	16.3	14.1	28.7
140:34:71	77803	2.35	3.5	19.2	16.7	14.7	30.3

CD at 5% 2999.4 0.1 0.8 0.8 0.4 0.8 1.0

CV (%) 6.4 6.3 23.9 5.9 3.3 7.6 4.8

60x20 (cm)	62469	2.04	4.1	18.2	16.5	14.2	29.2
50x20 (cm)	65865	2.15	4.6	17.9	16.2	13.9	28.1

CD at 5% 2891.0 0.1 0.4 NS NS NS NS

CV (%) 7.9 7.8 17.1 4.4 7.1 7.4 11.0

Table 31: Effect of planting density and nutrient management practices on the performance of hybrids in *Kharif* season in Bajaura.

Hybrids	Density	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)
HQPM-1	60x20 (cm) Normal	RDF	7483	9773	82.4	71.0	190.7	63.7	65.7	23.3
		STCR	9094	11968	78.9	74.8	208.7	60.7	62.7	26.7
		SSNM	8667	11608	82.6	74.5	187.7	62.0	64.7	26.0
	60x15 (cm) High	RDF	7976	10521	101.1	79.3	191.7	63.7	65.3	24.0
		STCR	10602	13995	99.5	85.2	208.3	62.3	63.7	27.3
		SSNM	8952	12021	99.6	75.5	200.7	62.7	64.7	26.0
Palam Shankar Makka 2	60x20 (cm) Normal	RDF	9762	12864	71.1	74.8	188.7	63.7	65.3	28.0
		STCR	11812	15402	66.9	76.5	208.0	60.7	62.0	33.3
		SSNM	10156	13475	69.9	77.3	196.7	62.3	65.3	28.7
	60x15 (cm) High	RDF	9728	13035	78.0	73.1	191.3	63.7	64.7	25.3
		STCR	13202	16505	77.8	73.1	203.7	60.7	62.0	34.7
		SSNM	10785	14102	78.0	72.0	188.0	62.7	65.0	30.0
Mean of location			9851.5	12939.2	82.2	75.6	197.0	62.4	64.3	27.8
HQPM-1			8796	11648	90.7	76.7	197.9	62.5	64.4	25.6
Palam Shankar Makka 2			10907	14230	73.6	74.5	196.1	62.3	64.1	30.0
CD at 5%			909.3	1159.6	0.56	NS	NS	NS	NS	3.5
CV (%)			6.4	6.2	0.48	10.7	2.0	1.2	1.8	8.7
60x20 (cm) Normal			9496	12515	75.3	74.8	196.7	62.2	64.3	27.7
60x15 (cm) High			10207	13363	89.0	76.4	197.3	62.6	64.2	27.9
CD at 5%			336.6	302.0	1.9	NS	NS	NS	NS	NS
CV (%)			3.7	2.5	2.5	7.8	3.5	1.2	0.94	10.0
RDF (120:60:40)			8737	11548	83.2	74.6	190.6	63.7	65.3	25.2
STCR (277:188:150)			11178	14468	80.8	77.4	207.2	61.1	62.6	30.5
SSNM (150:64:113)			9640	12802	82.5	74.8	193.3	62.4	64.9	27.7
CD at 5%			263.5	415.1	NS	NS	6.8	0.8	1.0	1.1
CV (%)			3.1	3.7	5.8	5.7	4.0	1.4	1.8	4.6

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Hybrids	Density	Nutrient management	Net returns (Rs. /ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
HQPM-1	60x20 (cm) Normal	RDF	58899	1.52	15.2	12.2	14.4	13.0	27.0
		STCR	66239	1.26	9.7	13.7	14.9	13.3	30.0
		SSNM	71982	1.74	10.3	13.5	13.9	14.3	32.3
	60x15 (cm) High	RDF	64917	1.66	10.0	13.0	13.7	13.7	31.0
		STCR	85453	1.61	14.2	13.7	15.5	14.0	32.7
		SSNM	75236	1.80	11.7	13.7	15.0	14.0	31.0
Palam Shankar Makka 2	60x20 (cm) Normal	RDF	88727	2.29	10.3	13.5	15.3	15.0	31.0
		STCR	101606	1.94	11.8	15.0	15.9	13.7	34.0
		SSNM	91343	2.21	7.4	14.4	16.0	13.7	33.0
	60x15 (cm) High	RDF	87948	2.24	10.5	14.0	15.7	14.0	32.7
		STCR	118665	2.24	12.4	15.1	16.7	14.3	34.0
		SSNM	98893	2.37	12.4	13.4	16.6	14.3	32.3

Mean of location 84159.0 1.91 11.3 13.8 15.3 13.9 31.8

HQPM-1	70454	1.60	11.8	13.3	14.6	13.7	30.7
Palam Shankar Makka 2	97864	2.21	10.8	14.2	16.0	14.2	32.8

CD at 5% 11783.5 0.25 NS NS 0.15 NS NS
CV (%) 9.8 9.0 14.2 7.9 0.68 3.2 5.7

60x20 (cm) Normal	79799	1.83	10.8	13.7	15.1	13.8	31.2
60x15 (cm) High	88519	1.99	11.9	13.8	15.5	14.1	32.3

CD at 5% 4257.9 0.10 NS NS NS NS NS
CV (%) 5.5 5.5 12.4 5.4 6.4 3.8 8.9

RDF (120:60:40)	75123	1.93	11.5	13.2	14.8	13.9	30.4
STCR (277:188:150)	92991	1.76	12.0	14.3	15.8	13.8	32.7
SSNM (150:64:113)	84363	2.03	10.5	13.8	15.4	14.1	32.2

CD at 5% 3375.7 0.07 NS 0.8 0.48 NS NS
CV (%) 4.6 4.4 26.3 6.9 3.6 5.2 7.6

Table 32: Effect of planting density and nutrient management practices on the performance of hybrids in *Kharif* season in Imphal.

Hybrids	Density	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling
HQPM-1	60x20 (cm) (83,000)	RDF	4790	10571	66.4	64.1	216.8	53.0
		STCR	4684	9903	67.9	66.2	203.9	52.7
		SSNM	6566	9665	65.6	63.4	215.6	51.3
	60x15 (cm) (1,10,000)	RDF	6055	10641	89.5	87.0	229.1	51.7
		STCR	6859	10559	85.3	83.1	227.8	51.3
		SSNM	7493	12844	86.8	83.9	235.6	51.7
All rounder	60x20 (cm) (83,000)	RDF	5231	9647	64.8	62.6	227.4	55.0
		STCR	5864	9010	65.6	63.9	230.0	55.0
		SSNM	7407	10108	67.1	64.9	249.2	55.0
	60x15 (cm) (1,10,000)	RDF	6490	12783	86.8	84.4	228.9	55.7
		STCR	6048	10232	93.0	90.4	240.4	55.7
		SSNM	7360	13133	92.6	90.3	242.3	56.0
Mean of location			6237.2	10758.1	77.6	75.3	228.9	53.7
HQPM-1			6074	10697	76.9	74.6	221.5	51.9
All rounder			6400	10819	78.3	76.1	236.4	55.4
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			19.2	17.1	3.6	3.6	18.7	4.9
60x20 (cm) (83,000)			5757	9818	66.2	64.2	223.8	53.7
60x15 (cm) (1,10,000)			6717	11699	89.0	86.5	234.0	53.7
CD at 5%			549.9	1450.8	4.7	4.6	NS	NS
CV (%)			9.5	14.6	6.5	6.5	5.6	3.3
RDF (120:40:50)			5642	10911	76.9	74.5	225.5	53.8
STCR (160:50:60)			5864	9926	77.9	75.9	225.5	53.7
SSNM (200:60:80)			7206	11438	78.0	75.6	235.7	53.5
CD at 5%			434.6	1079.4	NS	NS	NS	NS
CV (%)			8.1	11.6	4.6	4.7	5.6	1.4

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Hybrids	Density	Nutrient management	Days 50% silking	100-seed weight (g)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
HQPM-1	60x20 (cm) (83,000)	RDF	55.3	28.8	14.0	12.3	13.2	23.7
		STCR	55.7	29.5	13.5	12.5	13.1	22.2
		SSNM	53.7	29.2	16.2	13.5	14.6	29.3
	60x15 (cm) (1,10,000)	RDF	54.7	24.2	14.5	12.4	13.8	24.9
		STCR	54.3	26.2	14.9	12.9	14.5	25.9
		SSNM	54.0	27.1	15.0	13.1	14.8	26.2
All rounder	60x20 (cm) (83,000)	RDF	57.3	26.0	13.8	12.9	14.3	27.2
		STCR	58.0	26.7	14.4	13.2	14.7	28.1
		SSNM	57.3	29.1	16.0	13.6	14.3	32.3
	60x15 (cm) (1,10,000)	RDF	58.7	24.3	13.8	12.9	14.6	26.8
		STCR	58.0	24.1	12.1	12.5	14.6	22.9
		SSNM	59.0	25.8	14.3	12.9	14.1	27.6
Mean of location			56.3	26.8	14.4	12.9	14.2	26.4
HQPM-1			54.6	27.5	14.7	12.8	14.0	25.4
All rounder			58.1	26.0	14.1	13.0	14.4	27.5
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			4.6	13.1	25.0	14.8	8.8	30.8
60x20 (cm) (83,000)			56.2	28.2	14.6	13.0	14.0	27.1
60x15 (cm) (1,10,000)			56.4	25.3	14.1	12.8	14.4	25.7
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			3.2	11.9	13.6	8.1	3.1	15.2
RDF (120:40:50)			56.5	25.8	14.0	12.6	14.0	25.7
STCR (160:50:60)			56.5	26.6	13.7	12.8	14.2	24.8
SSNM (200:60:80)			56.0	27.8	15.4	13.3	14.5	28.8
CD at 5%			NS	1.4	1.0	0.5	NS	2.9
CV (%)			1.4	6.1	8.3	4.6	5.7	12.8

Table 33: Effect of planting density and nutrient management practices on the performance of hybrids in *Kharif* season in Srinagar.

Hybrids	Density	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking	100-seed weight (g)
Kanchan 101	60x20 (cm) (83,000)	RDF	6967	13263	81.6	95.9	250.3	89.0	92.7	25.2
		STCR	7060	14099	82.2	97.2	249.0	87.0	91.3	25.3
		SSNM	7256	13143	81.9	91.8	248.0	88.7	93.3	25.3
	60x15 (cm) (1,11,000)	RDF	5955	14958	110.5	88.0	251.7	86.3	90.7	25.1
		STCR	6040	15386	110.8	85.9	249.7	84.3	89.7	24.8
		SSNM	6407	16034	109.8	88.9	253.3	86.7	90.7	25.1
Bio 605	60x20 (cm) (83,000)	RDF	7332	14034	81.4	98.0	263.7	86.0	90.7	24.8
		STCR	7592	13467	82.0	99.1	261.3	85.7	90.0	25.1
		SSNM	7964	12819	81.9	100.2	265.3	84.3	88.7	24.8
	60x15 (cm) (1,11,000)	RDF	6498	15096	110.6	90.2	262.7	83.7	89.7	25.3
		STCR	6744	16338	110.5	90.3	267.0	83.0	87.3	25.4
		SSNM	6960	16870	110.2	92.3	259.3	85.0	89.3	25.2
Mean of location			6897.9	14625.6	96.1	93.1	256.8	85.8	90.3	25.1
Kanchan 101			6614	14480	96.1	91.3	250.3	87.0	91.4	25.1
Bio 605			7182	14771	96.1	95.0	263.2	84.6	89.3	25.1
CD at 5%			503.8	NS	NS	0.5	0.2	NS	NS	NS
CV (%)			5.1	1.9	0.7	0.3	0.1	2.8	2.1	1.8
60x20 (cm) (83,000)			7362	13471	81.8	97.0	256.3	86.8	91.1	25.1
60x15 (cm) (1,11,000)			6434	15780	110.4	89.3	257.3	84.8	89.6	25.1
CD at 5%			206.5	209.1	1.2	0.5	NS	1.0	1.3	NS
CV (%)			3.2	1.5	1.3	0.5	1.6	1.2	1.5	1.8
RDF (120:60:40)			6688	14338	96.0	93.0	257.1	86.3	90.9	25.1
STCR (96:48:38)			6859	14823	96.4	93.1	256.8	85.0	89.6	25.2
SSNM (90:50:30)			7147	14717	95.9	93.3	256.5	86.2	90.5	25.1
CD at 5%			128.2	306.7	NS	NS	NS	NS	NS	NS
CV (%)			2.1	2.4	0.8	0.7	1.7	1.5	1.6	2.8

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Hybrids	Density	Nutrient management	Net returns (Rs. /ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
Kanchan 101	60x20 (cm) (83,000)	RDF	141390	2.0	11.4	18.4	12.8	12.2	38.3
		STCR	144047	2.1	11.8	18.0	12.8	12.2	41.7
		SSNM	148764	1.8	11.8	20.8	11.4	13.0	42.9
	60x15 (cm) (1,11,000)	RDF	120485	1.6	22.0	19.3	11.8	11.9	39.7
		STCR	123442	1.6	22.3	19.8	10.8	11.2	41.5
		SSNM	129021	1.8	22.5	21.8	11.8	12.4	43.9
Bio 605	60x20 (cm) (83,000)	RDF	151665	2.2	9.5	20.6	12.9	12.6	45.6
		STCR	155776	2.3	10.3	19.6	13.0	13.8	46.3
		SSNM	162065	2.4	11.8	23.8	11.3	12.8	47.2
	60x15 (cm) (1,11,000)	RDF	134990	1.9	23.1	19.6	13.1	11.9	41.7
		STCR	138211	1.9	24.2	20.7	12.5	12.4	41.7
		SSNM	141946	2.0	22.9	20.3	12.1	11.9	45.9
Mean of location			140983.4	2.0	17.0	20.2	12.2	12.4	43.0
Kanchan 101			134525	1.8	16.9	19.7	11.9	12.2	41.3
Bio 605			147442	2.1	17.0	20.8	12.5	12.6	44.7
CD at 5%			8103.9	NS	NS	NS	NS	NS	NS
CV (%)			4.0	16.0	9.2	5.1	8.9	5.8	7.8
60x20 (cm) (83,000)			150618	2.1	11.1	20.2	12.4	12.8	43.7
60x15 (cm) (1,11,000)			131349	1.8	22.8	20.3	12.0	12.0	42.4
CD at 5%			2530.5	0.2	0.9	NS	NS	0.8	NS
CV (%)			1.9	12.0	5.6	5.5	8.3	6.5	5.7
RDF (120:60:40)			137132	1.9	16.5	19.5	12.7	12.2	41.3
STCR (96:48:38)			140369	2.0	17.1	19.5	12.3	12.4	42.8
SSNM (90:50:30)			145449	2.0	17.3	21.7	11.6	12.5	45.0
CD at 5%			1423.3	NS	NS	1.2	NS	NS	1.9
CV (%)			1.2	8.7	7.7	6.7	8.2	9.1	5.1

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Table 34: Effect of planting density and nutrient management practices on the performance of hybrids in *Kharif* season in Karnal.

Hybrids	Density	Nutrient management	Grain yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	Days to maturity	Net returns (Rs./ha)	B:C ratio
DKC 9164	67x20 (cm)	RDF	6820	7930	74.1	76.8	198.0	53.0	55.3	88.3	30105	1.41
		STCR	7271	8455	74.4	74.6	207.0	54.3	56.3	88.7	36328	1.49
		SSNM	6923	8050	74.9	76.6	201.3	54.0	54.7	88.7	30990	1.42
	67x15 (cm)	RDF	5314	6642	98.1	86.2	208.0	53.7	55.7	89.7	7734	1.11
		STCR	5733	7166	98.1	88.7	213.0	54.3	56.3	90.3	13475	1.18
		SSNM	5423	6779	98.7	87.3	211.0	54.7	56.7	89.7	8714	1.12
DKC 9144	67x20 (cm)	RDF	7147	8311	74.4	76.6	213.0	51.3	53.3	89.7	34962	1.47
		STCR	7518	8742	74.4	77.7	225.0	51.7	53.7	89.7	39992	1.54
		SSNM	7397	8601	74.1	77.1	216.3	51.0	53.0	88.3	38029	1.51
	67x15 (cm)	RDF	5615	7019	95.9	89.0	214.7	54.3	56.3	90.7	12217	1.17
		STCR	6031	7539	97.3	86.8	222.3	54.7	56.7	90.3	17911	1.24
		SSNM	5883	7354	97.3	85.1	215.0	54.3	56.3	90.0	15547	1.21
Mean of location			6423.0	7715.7	86.0	81.9	212.1	53.4	55.4	89.5	23833.7	1.32
DKC 9164			6247	7504	86.4	81.7	206.4	54.0	55.8	89.2	21224	1.29
DKC 9144			6599	7928	85.5	82.0	217.7	52.9	54.9	89.8	26443	1.36
CD at 5%			340.4	388.0	NA	NA	6.8	1.0	NA	NA	5055.0	0.1
CV (%)			3.7	3.5	2.4	1.4	2.2	1.2	2.1	0.7	14.8	3.6
67x20 (cm)			7180	8348	74.4	76.6	210.1	52.6	54.4	88.9	35068	1.47
67x15 (cm)			5667	7083	97.6	87.2	214.0	54.3	56.3	90.1	12600	1.17
CD at 5%			628.6	757.3	1.4	3.5	NA	1.2	1.1	0.6	9334.5	0.1
CV (%)			10.6	10.6	1.8	4.7	6.2	2.3	2.2	0.7	42.3	10.3
RDF (150:60:60)			6224	7475	85.6	82.2	208.4	53.1	55.2	89.6	21255	1.29
STCR (168:62:65)			6638	7976	86.0	82.0	216.8	53.8	55.8	89.8	26927	1.36
SSNM (158:65:70)			6407	7696	86.2	81.5	210.9	53.5	55.2	89.2	23320	1.31
CD at 5%			NA	NA	NA	NA	5.3	0.4	NA	0.4	NA	NA
CV (%)			6.3	6.3	1.7	2.2	2.9	0.9	1.5	0.6	25.3	6.1

Table 35: Effect of planting density and nutrient management practices on the performance of hybrids in *Kharif* season in Ludhiana.

Hybrids	Density	Nutrient	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	Net returns (Rs./ha)	BC ratio
PMH 1	67.5x20 (cm)	RDF	5593	7864	70.7	73.1	191.0	59.0	61.3	40744	0.94
		STCR	5836	8336	70.7	75.3	202.0	58.3	60.7	45295	1.06
		SSNM	6083	8580	70.7	72.8	205.3	57.3	59.7	47458	1.07
	67.5x15 (cm)	RDF	5657	8083	93.8	94.8	197.3	59.3	62.0	41314	0.94
		STCR	6231	9056	94.8	94.8	199.0	59.7	63.0	50873	1.18
		SSNM	6512	9404	94.8	96.9	211.0	56.3	59.3	53604	1.20
DKC 9125	67.5x20 (cm)	RDF	5935	8522	71.6	72.8	184.7	58.7	61.0	46078	1.06
		STCR	6114	8812	70.7	75.9	187.3	58.7	60.3	49562	1.16
		SSNM	6151	8954	71.0	75.9	194.7	57.3	59.7	48758	1.10
	67.5x15 (cm)	RDF	6225	8935	94.8	96.9	192.7	59.3	62.3	49918	1.13
		STCR	6549	9494	94.8	97.8	194.7	57.0	59.7	55650	1.29
		SSNM	6738	9833	95.1	98.5	198.3	57.3	60.0	57109	1.28
Mean of location			6135.5	8822.8	82.8	85.5	196.5	58.2	60.8	48863.7	1.12
PMH 1			5986	8554	82.6	84.6	200.9	58.3	61.0	46548	1.06
DKC 9125			6285	9092	83.0	86.3	192.1	58.1	60.5	51179	1.17
CD at 5%			NS	NS	NS	NS	8.2	NS	NS	NS	NS
CV (%)			11.5	11.4	1.0	5.7	2.9	1.2	0.8	21.8	21.7
67.5x20 (cm)			5952	8511	70.9	74.3	194.2	58.2	60.4	46316	1.07
67.5x15 (cm)			6319	9134	94.7	96.6	198.8	58.2	61.1	51411	1.17
CD at 5%			333.9	477.4	1.0	2.7	3.5	NS	NS	5034.4	NS
CV (%)			5.9	5.8	1.3	3.3	1.9	2.9	1.6	11.1	11.1
RDF			5853	8351	82.7	84.4	191.4	59.1	61.7	44514	1.02
STCR			6183	8924	82.7	86.0	195.8	58.4	60.9	50345	1.17
SSNM			6371	9193	82.9	86.0	202.3	57.1	59.7	51732	1.16
CD at 5%			230.4	329.9	NS	1.1	8.1	NS	NS	3473.9	0.1
CV (%)			4.3	4.3	1.4	1.5	4.8	3.9	3.2	8.2	8.2

Table 36: Effect of planting density and nutrient management practices on the performance of hybrids in *Kharif* season in Pantnagar.

Hybrids	Density	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking	100-seed weight (g)
DH 296	67.5x20 (cm)	100% RDF	4519	7796	70.7	70.7	161.9	54.7	57.7	29.5
		STCR	4845	8210	70.3	65.8	170.5	55.0	58.3	29.8
		SSNM	4427	7503	71.1	71.5	159.3	55.3	58.3	29.5
	67.5x15 (cm)	100% RDF	5211	8219	93.3	89.3	171.3	52.7	56.7	29.3
		STCR	5933	8834	97.3	95.1	179.6	52.7	56.7	29.4
		SSNM	5283	7989	93.3	92.2	169.3	53.7	57.3	29.3
P 1844 (Pioneer)	67.5x20 (cm)	100% RDF	4007	7346	70.0	70.0	175.2	51.7	55.7	28.4
		STCR	4183	7737	71.1	68.8	184.4	52.0	55.7	28.9
		SSNM	3920	7035	72.2	72.2	177.4	51.7	55.7	28.3
	67.5x15 (cm)	100% RDF	4843	7835	92.9	91.4	180.7	52.0	56.0	28.1
		STCR	5026	8256	93.6	92.9	188.4	52.0	56.0	28.7
		SSNM	4618	7786	95.8	95.5	182.5	52.3	56.0	28.2
Mean of location			4734.5	7878.9	82.6	81.3	175.0	53.0	56.7	28.9
DH 296			5036	8092	82.7	80.8	168.7	54.0	57.5	29.4
P 1844 (Pioneer)			4433	7666	82.6	81.8	181.4	51.9	55.8	28.4
CD at 5%			NS	NS	NS	NS	5.9	0.9	0.8	0.7
CV (%)			18.1	5.2	3.8	6.6	2.3	1.1	1.0	1.6
67.5x20 (cm)			4317	7604	70.9	69.8	171.5	53.4	56.9	29.1
67.5x15 (cm)			5152	8153	94.4	92.7	178.6	52.6	56.4	28.8
CD at 5%			269.7	NS	3.1	4.0	4.0	NS	NS	NS
CV (%)			6.2	9.6	4.0	5.4	2.5	3.1	2.8	2.1
100% RDF (120:60:40)			4645	7799	81.7	80.3	172.3	52.8	56.5	28.8
STCR (220:100:91)			4996	8259	83.1	80.7	180.7	52.9	56.7	29.2
SSNM (120:30:46)			4562	7578	83.1	82.8	172.1	53.3	56.8	28.8
CD at 5%			NS	NS	NS	NS	5.4	NS	NS	NS
CV (%)			9.3	11.0	5.7	6.6	3.6	1.1	1.2	3.1

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A-99

Hybrids	Density	Nutrient management	Net returns (Rs. /ha)	B:C ratio	N uptake (kg/ha)		
					Grain	Stover	Total
DH 296	67.5x20 (cm)	100% RDF	35942	1.26	56.5	29.3	85.7
		STCR	34611	1.01	62.8	40.7	103.6
		SSNM	35601	1.30	53.4	33.0	86.3
	67.5x15 (cm)	100% RDF	45405	1.57	67.1	24.4	91.4
		STCR	49716	1.43	81.3	32.0	113.3
		SSNM	47392	1.70	64.2	27.7	91.9
P 1844 (Pioneer)	67.5x20 (cm)	100% RDF	28654	1.01	47.4	21.0	68.4
		STCR	25183	0.73	56.0	39.2	95.2
		SSNM	28373	1.03	51.4	30.4	81.8
	67.5x15 (cm)	100% RDF	40168	1.39	57.7	29.4	87.1
		STCR	36790	1.06	64.0	37.4	101.4
		SSNM	37922	1.36	49.5	29.0	78.5

Mean of location	37146.4	1.24	59.3	31.1	90.4
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DH 296	41444.5	1.38	64.2	31.2	95.4
P 1844 (Pioneer)	32848.2	1.10	54.3	31.0	85.4

CD at 5%	NS	NS	NS	NS	NS
CV (%)	32.8	31.9	30.1	13.0	15.5

67.5x20 (cm)	31394.0	1.06	54.6	32.3	86.8
67.5x15 (cm)	42898.7	1.42	64.0	30.0	93.9

CD at 5%	3843.8	0.1	NS	NS	NS
CV (%)	11.2	10.7	19.6	30.1	10.0

100% RDF (120:60:40)	37542.3	1.31	57.2	26.0	83.2
STCR (220:100:91)	36574.7	1.06	66.1	37.3	103.4
SSNM (120:30:46)	37322.0	1.35	54.6	30.0	84.6

CD at 5%	NS	0.2	6.1	6.6	10.2
CV (%)	16.8	17.1	11.9	24.6	13.0

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A-100

Hybrids	Density	Nutrient management	P uptake (kg/ha)			K uptake (kg/ha)		
			Grain	Stover	Total	Grain	Stover	Total
DH 296	67.5x20 (cm)	100% RDF	13.7	10.3	23.9	17.4	73.8	91.2
		STCR	15.6	11.3	26.9	21.3	82.3	103.6
		SSNM	12.6	8.8	21.4	17.7	69.7	87.4
	67.5x15 (cm)	100% RDF	16.7	10.3	27.1	20.5	78.0	98.5
		STCR	19.7	11.4	31.0	25.8	88.8	114.6
		SSNM	16.4	9.2	25.6	20.8	74.7	95.5
P 1844 (Pioneer)	67.5x20 (cm)	100% RDF	12.5	8.3	20.7	16.5	70.0	86.5
		STCR	13.7	9.0	22.7	18.0	76.5	94.5
		SSNM	12.1	8.1	20.1	15.9	67.5	83.3
	67.5x15 (cm)	100% RDF	14.1	9.6	23.7	19.1	75.0	94.1
		STCR	16.2	10.3	26.5	21.8	81.1	102.9
		SSNM	14.3	9.1	23.4	18.7	74.1	92.8

Mean of location	14.8	9.6	24.4	19.5	76.0	95.4
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DH 296	15.8	10.2	26.0	20.6	77.9	98.5
P 1844 (Pioneer)	13.8	9.0	22.9	18.3	74.0	92.4

CD at 5%	NS	NS	NS	NS	3.1	5.2
CV (%)	22.3	14.0	12.9	22.7	2.9	3.8

67.5x20 (cm)	13.4	9.3	22.6	17.8	73.3	91.1
67.5x15 (cm)	16.3	10.0	26.2	21.1	78.6	99.7

CD at 5%	1.6	NS	2.2	1.1	5.2	5.0
CV (%)	11.5	10.1	9.8	5.9	7.4	5.7

100% RDF (120:60:40)	14.2	9.6	23.9	18.4	74.2	92.6
STCR (220:100:91)	16.3	10.5	26.8	21.7	82.2	103.9
SSNM (120:30:46)	13.9	8.8	22.7	18.3	71.5	89.8

CD at 5%	1.7	NS	2.1	1.8	5.7	6.3
CV (%)	13.2	16.4	9.9	10.7	8.7	7.6

Table 37: Effect of planting density and nutrient management practices on the performance of hybrid maize in *Kharif* season in Bahraich.

Variety	Density	Nutrient levels	Grain yield (kg/ha)	Cob yield (kg/ha)	Stover yield (kg/ha)	Plants (000/ha)	Cobs (000/ha)	Plant height (cm)	Barrenness (%)
9333 (Dhanya)	60x20 (cm)	RDF	5235	6569	6210	82.6	82.6	191.5	0.198
		STCR	5595	6994	6450	82.8	82.6	195.5	0.245
		SSNM	5739	7174	6884	82.8	82.7	198.5	0.193
	50x20 (cm)	RDF	5195	6494	6230	99.4	99.0	186.5	0.153
		STCR	5476	6795	6529	99.4	99.0	193.5	0.130
		SSNM	5570	6963	6668	99.5	94.8	195.3	0.158
Hybrid 9144	60x20 (cm)	RDF	5183	6479	6264	85.1	82.2	198.5	0.173
		STCR	5442	6803	6564	82.7	82.4	203.0	0.140
		SSNM	5557	6946	6689	82.7	86.5	204.5	0.150
	50x20 (cm)	RDF	5071	6339	6160	99.1	98.9	196.5	0.175
		STCR	5392	6740	6456	99.3	98.9	201.5	0.155
		SSNM	5505	6881	6641	99.3	98.9	203.5	0.140
Mean of location			5413.3	6764.6	6478.6	91.2	90.7	197.4	0.167
9333 (Dhanya)			5468	6831	6495	91.1	90.1	193.5	0.179
Hybrid 9144			5358	6698	6462	91.4	91.3	201.3	0.155
CD at 5%			12.6	44.1	NS	NS	NS	1.05	0.02
CV (%)			0.25	0.71	2.68	1.40	5.22	0.58	9.90
60x20 (cm)			5459	6827	6510	83.1	83.2	198.6	0.183
50x20 (cm)			5368	6702	6447	99.3	98.3	196.1	0.152
CD at 5%			19.1	33.0	NS	1.11	2.42	0.37	0.02
CV (%)			0.50	0.69	2.43	1.73	3.78	0.26	20.60
RDF (150:60:60)			5171	6470	6216	91.6	90.7	193.3	0.174
STCR (200:75:75)			5476	6833	6500	91.0	90.7	198.4	0.168
SSNM (245:80:80)			5593	6991	6721	91.1	90.7	200.4	0.160
CD at 5%			30.7	40.2	113.4	NS	NS	0.47	NS
CV (%)			0.78	0.81	2.40	1.59	3.75	0.32	10.17

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Variety	Density	Nutrient levels	Days to silking	Days to maturity	Net Profit (Rs/ha)	B:C ratio	Uptake (kg/ha)		
							N	P	K
9333 (Dhanya)	60x20 (cm)	RDF	48.0	106.5	57499	3.61	127.9	33.0	72.7
		STCR	46.5	107.8	61779	3.68	136.7	34.7	76.0
		SSNM	45.0	109.5	63729	3.71	140.3	36.1	77.0
	50x20 (cm)	RDF	49.5	105.5	56486	3.51	126.3	32.1	71.8
		STCR	46.5	106.0	59692	3.53	133.4	33.7	74.2
		SSNM	45.0	106.3	60648	3.52	136.6	35.9	75.2
Hybrid 9144	60x20 (cm)	RDF	47.8	104.0	56825	3.58	125.8	32.5	70.1
		STCR	47.0	106.3	59751	3.59	133.1	33.6	74.0
		SSNM	45.5	107.0	60986	3.59	135.8	34.8	76.0
	50x20 (cm)	RDF	48.5	109.3	54654	3.42	124.1	31.4	69.2
		STCR	46.8	109.3	58444	3.48	132.2	33.0	73.0
		SSNM	45.5	108.5	59711	3.49	135.1	34.6	74.5

Mean of location		46.8	107.1	59183.6	3.56	132.3	33.8	73.7
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9333 (Dhanya)		46.8	106.9	59972	3.59	133.5	34.2	74.5
Hybrid 9144		46.8	107.4	58395	3.53	131.0	33.3	72.8

CD at 5%		NS	NS	131.4	0.01	0.32	0.91	0.45
CV (%)		1.47	0.51	0.24	0.20	0.27	2.92	0.66

60x20 (cm)		46.6	106.8	60095	3.63	133.3	34.1	74.3
50x20 (cm)		47.0	107.5	58272	3.49	131.3	33.4	73.0

CD at 5%		NS	NS	300.7	0.02	0.80	0.35	0.17
CV (%)		3.02	0.92	0.72	0.61	0.86	1.46	0.33

RDF (150:60:60)		48.4	106.3	56366	3.53	126.0	32.2	71.0
STCR (200:75:75)		46.7	107.3	59917	3.57	133.9	33.7	74.3
SSNM (245:80:80)		45.3	107.8	61268	3.58	136.9	35.3	75.7

CD at 5%		0.32	1.01	472.0	0.02	0.91	0.44	0.34
CV (%)		0.94	1.30	1.09	0.76	0.94	1.79	0.63

A-103

Table 38: Effect of planting density and nutrient management practices on the performance of hybrids in *Kharif* season in Bhubaneswar.

Hybrids	Spacing	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Plant height (cm)	Days to 50% silking	Days to maturity
P 3441	60x20 (cm)	RDF	6372	13996	66.8	158.5	51.7	109.7
		STCR	6861	15835	67.7	172.8	50.7	108.7
		SSNM	6685	15524	66.8	161.7	50.0	108.3
	50x20 (cm)	RDF	6442	14894	80.2	172.7	51.7	109.3
		STCR	7092	16514	82.3	176.7	50.0	108.3
		SSNM	6786	16205	81.0	175.9	50.7	108.7
OMH 14-27	60x20 (cm)	RDF	6496	15029	66.9	172.7	52.3	109.7
		STCR	6978	16396	67.9	176.7	51.7	108.7
		SSNM	6772	16077	67.9	175.9	51.3	108.7
	50x20 (cm)	RDF	6696	16489	80.8	175.6	51.7	105.0
		STCR	7367	17586	82.0	180.4	51.0	108.0
		SSNM	6996	16365	80.7	173.7	51.0	108.7
Hishel	60x20 (cm)	RDF	6224	13820	66.6	161.9	52.7	110.0
		STCR	6770	15835	67.7	162.9	52.0	108.7
		SSNM	6535	14923	66.8	164.3	51.3	108.0
	50x20 (cm)	RDF	6482	14850	80.0	158.5	52.3	109.0
		STCR	7065	16308	82.2	172.8	51.0	108.7
		SSNM	6766	16173	81.0	161.7	51.0	108.0
Mean of location			6743.5	15712.1	74.2	169.7	51.3	108.6
P 3441			6706	15495	74.1	169.7	50.8	108.8
OMH 14-27			6884	16324	74.4	175.9	51.5	108.1
Hishel			6640	15318	74.1	163.7	51.7	108.7
CD at 5%			110.0	362.8	NS	3.6	0.72	NS
CV (%)			1.8	2.5	1.5	2.3	1.5	0.8
60x20 (cm)			6632	15270	67.2	167.5	51.5	108.9
50x20 (cm)			6855	16154	81.1	172.0	51.1	108.2
CD at 5%			101.6	505.8	0.7	2.6	0.3	0.4
CV (%)			2.3	4.8	1.5	2.3	0.7	0.6
RDF (120:60:60)			6452	14846	73.5	166.6	52.1	108.8
STCR (124:15:116)			7022	16412	75.0	173.7	51.1	108.5
SSNM (140:37:86)			6757	15878	74.0	168.9	50.9	108.4
CD at 5%			126.1	449.1	0.75	2.0	0.55	NS
CV (%)			2.7	4.2	1.5	1.7	1.6	0.5

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A-104

Hybrids	Spacing	Nutrient management	Cob length (cm)	Cob girth (cm)	Grains/row	1000-Grain weight (g)	Net return (Rs./ha)	BC ratio
P 3441	60x20 (cm)	RDF	14.2	13.8	27.9	266.7	56829	2.37
		STCR	16.3	14.4	29.3	277.3	65137	2.57
		SSNM	16.0	14.2	29.0	276.0	62500	2.50
	50x20 (cm)	RDF	14.5	13.9	27.6	268.0	58648	2.41
		STCR	16.7	15.0	29.8	281.3	68879	2.66
		SSNM	16.3	14.5	29.3	278.7	64524	2.55
OMH 14-27	60x20 (cm)	RDF	14.7	14.1	28.7	269.4	59496	2.43
		STCR	16.9	15.6	31.5	285.0	67250	2.62
		SSNM	16.2	14.7	29.8	280.7	64206	2.54
	50x20 (cm)	RDF	14.8	14.2	28.9	270.7	63611	2.53
		STCR	17.4	15.7	31.8	287.0	73595	2.77
		SSNM	16.6	14.8	30.6	283.0	67457	2.62
Hishel	60x20 (cm)	RDF	14.4	13.8	27.5	264.0	54688	2.31
		STCR	16.4	14.9	29.1	276.0	63932	2.54
		SSNM	15.6	14.3	28.9	274.0	59906	2.44
	50x20 (cm)	RDF	14.3	13.9	27.4	266.0	59135	2.42
		STCR	16.5	15.2	29.6	278.0	68319	2.64
		SSNM	16.3	14.6	29.1	273.3	64227	2.54

Mean of location 15.8 14.5 29.2 275.3 63463.3 2.53

P 3441	15.7	14.3	28.8	274.7	62753	2.51
OMH 14-27	16.1	14.8	30.2	279.3	65936	2.58
Hishel	15.6	14.4	28.6	271.9	61701	2.48

CD at 5% NS NS 0.66 NS 1595.0 0.04
 CV (%) 3.2 3.3 2.4 3.5 2.7 1.6

60x20 (cm)	15.6	14.4	29.1	274.3	61549	2.48
50x20 (cm)	15.9	14.6	29.4	276.2	65377	2.57
CD at 5%	0.3	NS	NS	NS	1586.4	0.04
CV (%)	2.7	2.3	2.2	2.4	3.8	2.3

RDF (120:60:60)	14.5	13.9	28.0	267.5	58735	2.41
STCR (124:15:116)	16.7	15.1	30.2	280.8	67852	2.63
SSNM (140:37:86)	16.2	14.5	29.5	277.6	63803	2.53
CD at 5%	0.4	0.3	0.72	5.5	1828.6	0.04
CV (%)	3.8	2.9	3.6	2.9	4.2	2.5

Table 39: Effect of plant density and nutrient management practices on performance of hybrids in *Kharif* season in Dholi.

Hybrid	Density	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant Height (cm)	Ear Height (cm)
Shaktiman-2	60x20 cm	RDF	4753	6889	6333	81.6	81.1	168.3	78.3
		STCR	5163	6933	6778	81.1	80.4	165.7	79.7
		SSNM	5349	7622	7200	79.8	79.8	167.3	74.0
	60x15 cm	RDF	4866	7000	6467	109.1	108.2	179.0	88.7
		STCR	5344	6889	7067	109.1	108.4	179.7	91.3
		SSNM	5383	7578	7244	108.2	108.2	183.0	92.0
Shaktiman-5	60x20 cm	RDF	5044	7667	6876	81.1	81.1	184.3	97.3
		STCR	5194	6644	6869	80.2	79.8	182.0	92.3
		SSNM	5407	6889	7240	79.6	79.6	186.0	92.0
	60x15 cm	RDF	5012	7556	6611	107.3	107.3	178.3	92.0
		STCR	5333	6956	7160	108.7	108.0	178.7	92.3
		SSNM	4975	7156	6696	108.9	108.4	183.3	86.7
Mean of location			5151.8	7148.1	6878.3	94.6	94.2	178.0	88.1
Shaktiman-2			5143	7152	6848	94.8	94.4	173.8	84.0
Shaktiman-5			5161	7144	6909	94.3	94.0	182.1	92.1
CD at 5%			NS	NS	NS	0.4	NS	4.8	NS
CV (%)			22.7	12.3	9.6	0.3	0.5	1.9	9.6
60x20 cm			5152	7107	6883	80.6	80.3	175.6	85.6
60x15 cm			5152	7189	6874	108.6	108.1	180.3	90.5
CD at 5%			NS	NS	NS	1.3	0.8	NS	NS
CV (%)			8.8	9.4	11.9	1.5	0.9	4.9	7.7
RDF (120:60:50)			4919	7278	6572	94.8	94.4	177.5	89.1
STCR (180:90:70)			5259	6856	6968	94.8	94.2	176.5	88.9
SSNM (200:60:50)			5278	7311	7095	94.1	94.0	179.9	86.2
CD at 5%			302.2	NS	NS	NS	NS	NS	NS
CV (%)			6.8	9.0	7.9	1.2	1.7	2.7	4.4

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Hybrid	Density	Nutrient management	Days of 50% tasseling	Days of 50% silking	Days of maturity	Cob length (cm)	Cob girth (cm)	Net Return (Rs./ha)	BC ratio
Shaktiman-2	60x20 cm	RDF	56.7	58.7	102.3	15.0	11.7	32409	1.74
		STCR	56.7	58.7	102.7	16.7	13.0	36560	1.89
		SSNM	56.7	59.0	103.3	14.0	11.3	37352	1.96
	60x15 cm	RDF	56.3	58.7	105.0	13.3	14.7	34093	1.78
		STCR	56.7	58.7	104.7	15.7	12.3	39263	1.96
		SSNM	54.7	56.7	105.3	15.7	12.3	37849	1.97
Shaktiman-5	60x20 cm	RDF	54.7	57.0	102.0	15.7	12.3	36768	1.85
		STCR	54.0	56.3	102.7	15.7	12.3	37020	1.91
		SSNM	54.7	57.0	102.3	15.0	11.7	38208	1.98
	60x15 cm	RDF	53.3	55.7	105.7	16.7	13.0	36283	1.84
		STCR	55.7	58.0	106.3	14.0	11.7	39110	1.96
		SSNM	53.3	56.3	105.3	13.3	10.3	31731	1.82
Mean of location			55.3	57.6	104.0	15.1	12.2	36387.1	1.89
Shaktiman-2			56.3	58.4	103.9	15.1	12.6	36254	1.89
Shaktiman-5			54.3	56.7	104.1	15.1	11.9	36520	1.89
CD at 5%			0.4	1.5	NS	0.0	NS	NS	NS
CV (%)			0.5	1.8	3.5	0.0	7.1	48.2	22.7
60x20 cm			55.6	57.8	102.6	15.3	12.1	36386	1.89
60x15 cm			55.0	57.3	105.4	14.8	12.4	36388	1.89
CD at 5%			NS	NS	NS	NS	NS	NS	NS
CV (%)			1.2	1.5	3.3	17.3	22.1	18.7	8.8
RDF (120:60:50)			55.3	57.5	103.8	15.2	12.9	34888	1.80
STCR (180:90:70)			55.8	57.9	104.1	15.5	12.3	37988	1.93
SSNM (200:60:50)			54.8	57.3	104.1	14.5	11.4	36285	1.94
CD at 5%			0.5	NS	NS	NS	1.0	NS	0.11
CV (%)			1.0	1.5	1.1	11.0	9.8	14.4	6.8

Table 40: Effect of planting density and nutrient management practices on the performance of hybrids in *Kharif* season in Kalyani.

Hybrids	Density	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	100-seed weight (g)
P3077	60x20 (cm)	RDF	9714	10492	80.3	76.5	238.3	52.7	55.0	28.3
		STCR	10984	11628	81.1	78.8	261.7	52.3	55.3	33.3
		SSNM	9356	10934	80.8	79.5	270.3	53.0	55.3	31.0
	50x20 (cm)	RDF	12147	13321	109.2	107.7	270.7	52.7	55.3	30.7
		STCR	13470	14379	110.1	109.2	299.7	53.3	56.0	37.0
		SSNM	11797	12414	109.2	107.3	292.7	53.0	55.3	34.3
Kaveri 50	60x20 (cm)	RDF	6811	7635	79.1	76.8	239.0	51.3	54.0	24.7
		STCR	8678	9472	80.8	78.1	260.0	52.0	54.7	30.0
		SSNM	9007	10217	79.8	77.0	285.0	52.0	54.3	28.7
	50x20 (cm)	RDF	11329	12343	108.4	106.8	266.3	51.0	54.0	26.3
		STCR	12896	13890	108.1	107.5	275.0	51.3	53.7	32.3
		SSNM	11586	12488	108.2	105.6	249.7	50.7	52.7	28.7
Mean of location			10648	11601	94.6	92.6	267.4	52.1	54.6	30.4
P3077			11245	12195	95.1	93.2	272.2	52.8	55.4	32.4
Kaveri 50			10051	11007	94.1	92.0	262.5	51.4	53.9	28.4
CD at 5%			1087.5	NS	NS	NS	NS	NS	NS	3.5
CV (%)			7.1	7.4	1.4	2.9	14.9	3.7	2.8	8.1
60x20 (cm)			9092	10063	80.3	77.8	259.1	52.2	54.8	29.3
50x20 (cm)			12204	13139	108.8	107.4	275.7	52.0	54.5	31.6
CD at 5%			1137.6	1042.4	1.1	1.1	NS	NS	NS	NS
CV (%)			11.5	9.7	1.3	1.2	16.4	2.2	1.6	15.3
RDF (120:60:60)			10000	10948	94.2	92.0	253.6	51.9	54.6	27.5
STCR (173:35:30)			11507	12343	95.0	93.4	274.1	52.3	54.9	33.2
SSNM (130:44:66)			10436	11513	94.5	92.4	274.4	52.2	54.4	30.7
CD at 5%			844.3	843.4	NS	1.2	17.8	NS	NS	2.3
CV (%)			9.2	8.4	1.1	1.5	7.7	1.3	1.5	8.7

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Hybrids	Density	Nutrient management	Net returns (Rs./ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
P3077	60x20 (cm)	RDF	96905	2.94	0.19	17.7	13.6	11.6	29.9
		STCR	112051	3.07	0.17	18.6	15.3	13.6	34.6
		SSNM	95493	2.98	0.15	17.5	14.8	12.9	32.9
	50x20 (cm)	RDF	134555	3.69	0.15	17.8	15.9	13.7	33.6
		STCR	149873	3.77	0.12	20.8	17.8	15.7	37.9
		SSNM	130189	3.71	0.14	19.9	16.3	14.4	35.5
Kaveri 50	60x20 (cm)	RDF	53817	2.07	0.26	14.4	13.1	13.1	26.7
		STCR	77757	2.43	0.19	16.1	14.7	13.1	33.9
		SSNM	89527	2.86	0.20	15.3	13.8	12.7	31.0
	50x20 (cm)	RDF	121963	3.44	0.23	16.8	14.2	13.0	30.9
		STCR	141429	3.62	0.20	18.8	15.8	13.8	32.4
		SSNM	127589	3.65	0.16	18.3	15.3	13.4	31.7

Mean of location 110929 3.19 0.18 17.7 15.1 13.4 32.6

P3077	119845	3.36	0.15	18.7	15.6	13.6	34.1
Kaveri 50	102013	3.01	0.21	16.6	14.5	13.2	31.1

CD at 5% 16444.2 0.3 0.0 NS NS NS NS
 CV (%) 10.3 7.4 15.3 15.0 13.1 9.2 11.0

60x20 (cm)	87592	2.73	0.19	16.6	14.2	12.8	31.5
50x20 (cm)	134267	3.65	0.17	18.7	15.9	14.0	33.7

CD at 5% 16708.3 0.3 0.0 NS 1.3 1.0 2.2
 CV (%) 16.3 11.0 10.2 20.2 9.2 8.1 7.2

RDF (120:60:60)	101810	3.03	0.21	16.7	14.2	12.8	30.3
STCR (173:35:30)	120278	3.22	0.17	18.6	15.9	14.1	34.7
SSNM (130:44:66)	110700	3.30	0.16	17.7	15.0	13.3	32.8

CD at 5% 12476.1 NS 0.0 NS 0.9 0.8 3.2
 CV (%) 13.0 8.8 12.5 11.9 7.2 7.0 11.2

Table 41: Effect of planting density and nutrient management practices on the performance of hybrids in *Kharif* season in Ranchi.

Hybrids	Density	Nutrient	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Barrenness in maize (%)
Bio-9637	60x20 (cm)	RDF	4209	6742	5013	78.9	76.9	209.2	2.5
		STCR	6142	9201	7163	80.0	78.9	229.0	1.4
		SSNM	4214	6530	5020	80.3	79.4	190.5	1.0
	50x20 (cm)	RDF	3426	6539	4144	96.4	87.5	184.3	9.2
		STCR	3766	7090	4671	96.4	89.4	218.0	7.2
		SSNM	4495	8298	5466	96.7	88.6	231.1	8.3
Bio-9682	60x20 (cm)	RDF	4284	6690	5137	80.3	78.6	204.2	2.1
		STCR	5174	7734	6160	81.9	78.6	209.5	4.1
		SSNM	5271	7870	6244	81.1	79.2	226.1	2.4
	50x20 (cm)	RDF	5070	9313	6090	96.4	89.4	222.3	7.2
		STCR	5021	8617	5850	97.5	94.4	225.8	3.1
		SSNM	5009	8802	5953	97.2	91.7	216.9	5.7
Mean of location			4673.4	7785.5	5576.0	88.6	84.4	213.9	4.5
Bio-9637			4375	7400	5246	88.1	83.5	210.4	5.0
Bio-9682			4972	8171	5906	89.1	85.3	217.5	4.1
CD at 5%			NS	NS	622.1	NS	NS	3.8	0.2
CV (%)			12.3	7.7	7.8	2.2	2.2	1.3	2.5
60x20 (cm)			4882	7461	5790	80.4	78.6	211.4	2.2
50x20 (cm)			4464	8110	5362	96.8	90.2	216.4	6.8
CD at 5%			NS	NS	NS	1.9	2.3	3.2	0.6
CV (%)			9.9	9.7	9.5	2.3	3.0	1.6	14.3
RDF (150:60:40)			4247	7321	5096	88.0	83.1	205.0	5.3
STCR (238:108:156)			5026	8160	5961	89.0	85.3	220.6	4.0
SSNM (170:67:86)			4747	7875	5671	88.8	84.7	216.2	4.4
CD at 5%			330.3	544.2	395.5	NS	NS	10.7	0.5
CV (%)			8.2	8.1	8.2	3.6	4.0	5.8	13.4

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Hybrids	Density	Nutrient	Days to 50% tasseling	Days to 50% silking	Cob length (cm)	Cob girth (cm)	Grains row/cob	Grains/row	Grains/cob
Bio-9637	60x20 (cm)	RDF	50.7	55.3	15.3	14.7	13.1	23.1	302.4
		STCR	50.3	54.0	16.9	14.0	13.4	24.9	334.4
		SSNM	51.3	55.0	15.9	14.3	13.6	21.2	288.0
	50x20 (cm)	RDF	51.3	55.3	13.5	11.2	11.2	17.6	197.0
		STCR	48.7	53.3	14.1	13.5	12.7	20.4	258.7
		SSNM	49.0	53.7	14.9	13.0	11.9	21.3	253.7
Bio-9682	60x20 (cm)	RDF	49.3	53.3	15.5	13.9	13.2	20.8	275.4
		STCR	47.3	51.3	15.8	15.0	14.0	21.3	299.3
		SSNM	47.7	52.7	16.7	14.1	13.8	25.6	352.6
	50x20 (cm)	RDF	50.0	55.7	15.1	13.0	12.1	23.0	278.4
		STCR	49.3	53.3	16.0	13.8	12.9	23.3	300.6
		SSNM	49.7	53.7	14.7	14.1	13.2	20.4	270.3

Mean of location	49.6	53.9	15.4	13.7	12.9	21.9	284.2
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Bio-9637	50.2	54.4	15.1	13.4	12.6	21.4	272.4
Bio-9682	48.9	53.3	15.6	14.0	13.2	22.4	296.1

CD at 5%	NS	NS	NS	0.4	NS	NS	22.5
CV (%)	7.1	4.0	7.0	1.9	3.2	3.6	5.5

60x20 (cm)	49.4	53.6	16.0	14.3	13.5	22.8	308.7
50x20 (cm)	49.7	54.2	14.7	13.1	12.3	21.0	259.8

CD at 5%	NS	NS	0.6	0.8	0.5	1.0	13.9
CV (%)	3.8	4.3	4.1	6.5	4.0	5.0	5.3

RDF (150:60:40)	50.3	54.9	14.9	13.2	12.4	21.1	263.3
STCR (238:108:156)	48.9	53.0	15.7	14.1	13.2	22.5	298.3
SSNM (170:67:86)	49.4	53.8	15.6	13.9	13.1	22.1	291.1

CD at 5%	1.1	1.0	0.7	0.6	0.6	NS	21.7
CV (%)	2.6	2.2	5.2	5.4	5.1	6.2	8.8

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Hybrids	Density	Nutrient	1000 grain weight (g)	Net return (Rs/ha)	B:C ratio	N uptake (kg/ha)	P uptake (kg/ha)	K uptake (kg/ha)
Bio-9637	60x20 (cm)	RDF	284.4	27495	0.92	96.7	14.3	82.7
		STCR	304.2	48467	1.37	140.0	21.0	116.9
		SSNM	298.9	26142	0.83	96.7	14.5	81.5
	50x20 (cm)	RDF	274.7	16534	0.54	81.1	11.7	74.0
		STCR	294.3	16004	0.45	90.4	13.2	82.1
		SSNM	290.0	29795	0.93	106.2	15.5	95.6
Bio-9682	60x20 (cm)	RDF	291.1	28509	0.95	95.7	14.2	79.2
		STCR	310.5	35339	1.00	115.3	17.2	94.4
		SSNM	307.8	40495	1.29	116.4	17.6	95.2
	50x20 (cm)	RDF	276.9	39032	1.28	122.7	18.1	109.6
		STCR	293.7	32903	0.92	119.8	17.9	104.8
		SSNM	287.0	36688	1.15	119.7	17.6	105.4
Mean of location			292.8	31450.3	0.97	108.4	16.1	93.5
Bio-9637			291.1	27406	0.84	101.9	15.1	88.8
Bio-9682			294.5	35494	1.10	115.0	17.1	98.1
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			5.2	24.6	24.2	9.3	9.1	8.4
60x20 (cm)			299.5	34408	1.06	110.1	16.5	91.7
50x20 (cm)			286.1	28493	0.88	106.7	15.7	95.3
CD at 5%			NS	5851.0	NS	NS	NS	NS
CV (%)			5.1	20.1	20.8	7.8	9.9	8.1
RDF (150:60:40)			281.8	27893	0.92	99.1	14.6	86.4
STCR (238:108:156)			300.7	33178	0.94	116.4	17.3	99.5
SSNM (170:67:86)			295.9	33280	1.05	109.8	16.3	94.4
CD at 5%			11.0	4520.0	NS	7.5	1.1	6.2
CV (%)			4.3	16.6	16.6	8.0	8.0	7.7

Table 42: Effect of planting density and nutrient management practices on the performance of hybrids in *Kharif* season in Coimbatore.

Hybrids	Density	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking
CO H 6	60x20 (cm)	RDF	7468	12136	80.2	77.6	222.1	52.3	56.3
		STCR	6221	9756	79.6	76.9	218.3	51.3	55.7
		SSNM	5715	9148	79.6	77.6	215.7	50.7	54.3
	50x20 (cm)	RDF	8067	13382	94.1	90.2	223.8	51.7	55.3
		STCR	6719	10759	91.5	89.5	220.2	50.7	54.3
		SSNM	6174	10087	94.1	91.9	217.8	50.0	53.7
NK 6240	60x20 (cm)	RDF	6976	11234	80.2	78.2	218.2	51.7	55.7
		STCR	5813	9032	79.8	77.4	214.5	50.3	54.0
		SSNM	5342	8469	79.8	77.6	212.1	49.7	53.7
	50x20 (cm)	RDF	7534	12388	95.7	92.6	220.1	51.3	54.7
		STCR	6273	9958	95.7	93.3	216.2	49.7	53.3
		SSNM	5764	9337	95.0	92.8	213.4	49.3	52.7
Mean of location			6505.4	10473.8	87.1	84.6	217.7	50.7	54.5
CO H 6			6727	10878	86.5	84.0	219.6	51.1	54.9
NK 6240			6284	10070	87.7	85.3	215.7	50.3	54.0
CD at 5%			NS	NS	NS	NS	NS	NS	NS
CV (%)			7.0	7.2	3.1	2.2	3.7	2.9	1.7
60x20 (cm)			6256	9962	79.9	77.6	216.8	51.0	54.9
50x20 (cm)			6755	10985	94.4	91.7	218.6	50.4	54.0
CD at 5%			357.5	593.0	2.9	3.0	NS	NS	0.8
CV (%)			5.9	6.1	3.7	3.8	5.8	2.7	1.6
RDF (250:75:75)			7511	12285	87.6	84.7	221.0	51.8	55.5
STCR (142:82:38)			6256	9876	86.6	84.3	217.3	50.5	54.3
SSNM (110:61:90)			5749	9260	87.1	85.0	214.7	49.9	53.6
CD at 5%			361.5	595.9	NS	NS	NS	1.2	NS
CV (%)			6.4	6.6	3.1	3.5	6.3	2.8	3.5

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Hybrids	Density	Nutrient management	100-seed weight (g)	Net returns (Rs. /ha)	B:C ratio	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
CO H 6	60x20 (cm)	RDF	37.9	69800	2.29	18.9	16.2	15.6	37.1
		STCR	37.1	50338	1.96	16.6	15.4	14.4	35.4
		SSNM	36.7	42575	1.81	15.7	15.1	14.1	34.8
	50x20 (cm)	RDF	37.4	77026	2.35	18.5	15.8	15.2	36.2
		STCR	36.7	55811	2.00	16.4	15.2	14.1	34.8
		SSNM	36.2	47399	1.86	15.4	14.8	13.6	34.2
NK 6240	60x20 (cm)	RDF	37.1	61508	2.13	17.8	15.8	15.2	35.7
		STCR	36.3	43499	1.83	15.6	15.1	14.0	34.5
		SSNM	35.9	36306	1.69	14.9	14.7	13.6	33.9
	50x20 (cm)	RDF	36.7	68032	2.18	17.3	15.3	14.9	34.6
		STCR	35.8	48325	1.87	15.1	14.7	13.6	33.1
		SSNM	35.3	40499	1.73	14.3	14.1	13.6	32.5

Mean of location 36.6 53426.5 1.97 16.4 15.2 14.3 34.7

CO H 6	37.0	57158	2.04	16.9	15.4	14.5	35.4
NK 6240	36.2	49695	1.91	15.8	15.0	14.2	34.0

CD at 5% 0.6 NS NS 0.8 NS NS NS
CV (%) 1.1 14.2 7.1 3.4 3.2 4.9 7.1

60x20 (cm)	36.8	50671	1.95	16.6	15.4	14.5	35.2
50x20 (cm)	36.3	56182	2.00	16.2	15.0	14.2	34.2

CD at 5% NS 4869.4 NS NS NS NS
CV (%) 3.9 9.8 4.9 4.5 5.9 4.7 3.7

RDF (250:75:75)	37.3	69092	2.24	18.1	15.8	15.2	35.9
STCR (142:82:38)	36.5	49493	1.91	15.9	15.1	14.0	34.4
SSNM (110:61:90)	36.0	41695	1.77	15.1	14.7	13.7	33.9

CD at 5% NS 5377.6 0.1 0.8 0.7 0.8 NS
CV (%) 6.4 11.6 5.7 5.5 4.9 6.0 6.1

Table 43: Effect of planting density and nutrient management practices on the performance of hybrids in *Kharif* season in Dharwad.

Hybrids	Density	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	100-seed weight (g)
Bioseed	60x20 (cm) (83,333)	RDF	7116	8885	78.3	76.8	215.8	50.7	54.7	31.3
		STCR	6851	9005	77.7	75.1	215.0	50.0	55.0	29.4
		SSNM	7497	9055	76.8	76.0	220.4	51.3	54.7	33.9
	50x20 (cm) (1,00,000)	RDF	7440	8791	95.8	93.8	211.5	50.7	55.7	32.2
		STCR	6733	8865	95.3	93.5	215.3	50.3	55.7	30.3
		SSNM	7578	8845	96.0	93.2	217.6	50.0	54.7	33.6
NK-6240	60x20 (cm) (83,333)	RDF	7471	8611	78.0	75.7	212.9	50.3	55.0	33.1
		STCR	6861	8809	77.9	74.4	213.0	51.0	55.0	29.1
		SSNM	7696	8865	77.8	75.8	215.6	50.7	55.3	33.8
	50x20 (cm) (1,00,000)	RDF	7123	8491	96.4	94.4	213.2	50.7	55.3	32.5
		STCR	6957	8672	95.3	93.8	215.7	51.3	55.3	29.6
		SSNM	7582	8757	96.2	94.1	212.2	50.7	55.0	31.7
Mean of location			7242	8804	86.8	84.7	214.9	50.6	55.1	31.7
Bioseed			7202	8908	86.7	84.7	215.9	50.5	55.1	31.8
NK-6240			7281	8701	86.9	84.7	213.8	50.8	55.2	31.6
CD at 5%			NS	NS	NS	NS	NS	NS	NS	NS
CV (%)			5.1	2.8	0.3	2.0	4.2	3.6	1.8	2.6
60x20 (cm) (83,333)			7249	8872	77.8	75.6	215.5	50.7	54.9	31.7
50x20 (cm) (1,00,000)			7235	8737	95.8	93.8	214.3	50.6	55.3	31.6
CD at 5%			NS	NS	0.6	1.2	NS	NS	NS	NS
CV (%)			0.8	1.7	0.7	1.6	1.5	2.3	1.4	3.3
RDF (150:65:65)			7287	8695	87.1	85.2	213.4	50.6	55.2	32.3
STCR (252:42:00)			6851	8838	86.6	84.2	214.7	50.7	55.3	29.6
SSNM (306:143:282)			7588	8881	86.7	84.8	216.5	50.7	54.9	33.2
CD at 5%			331.0	NS	NS	NS	NS	NS	NS	1.2
CV (%)			5.3	2.4	1.2	1.5	2.0	2.1	2.0	4.4

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Hybrids	Density	Nutrient management	Net returns (Rs./ha)	B:C ratio	Shelling (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	Shoot fly and wire worm/plot
Bioseed	60x20 (cm) (83,333)	RDF	62505	3.08	80.8	16.9	4.7	12.9	35.6	0.67
		STCR	66073	3.20	80.2	17.3	4.4	12.8	26.8	0.67
		SSNM	67458	3.25	81.0	18.4	4.6	14.1	40.4	1.33
	50x20 (cm) (1,00,000)	RDF	66723	3.22	79.1	17.3	4.4	13.2	34.3	0.67
		STCR	64410	3.15	78.6	17.5	4.2	12.6	25.7	1.00
		SSNM	68509	3.28	78.7	17.4	4.3	14.0	37.1	1.00
NK-6240	60x20 (cm) (83,333)	RDF	67123	3.24	78.8	16.7	4.8	13.0	34.5	0.67
		STCR	66011	3.20	78.6	17.6	4.2	12.9	27.2	0.67
		SSNM	70044	3.33	79.0	17.6	4.8	14.2	35.9	1.33
	50x20 (cm) (1,00,000)	RDF	62594	3.09	76.0	17.2	4.6	12.6	31.1	0.67
		STCR	61452	3.05	78.1	17.4	4.0	12.9	26.3	1.00
		SSNM	68566	3.29	79.6	18.1	4.8	13.8	37.1	1.00
Mean of location			65955.7	3.20	79.0	17.4	4.5	13.2	32.7	0.89
Bioseed			65946	3.20	79.7	17.5	4.4	13.3	33.3	0.89
NK-6240			65965	3.20	78.3	17.4	4.5	13.2	32.0	0.89
CD at 5%			NS	NS	NS	NS	NS	NS	NS	NS
CV (%)			12.1	8.3	0.8	9.0	6.7	3.7	4.9	129.9
60x20 (cm) (83,333)			66536	3.22	79.7	17.4	4.6	13.3	33.4	0.89
50x20 (cm) (1,00,000)			65376	3.18	78.4	17.5	4.4	13.2	31.9	0.89
CD at 5%			NS	NS	NS	NS	0.1	NS	NS	NS
CV (%)			4.2	2.9	2.1	3.6	3.3	3.3	8.7	91.9
RDF (150:65:65)			64736	3.16	78.7	17.0	4.6	12.9	33.8	0.67
STCR (252:42:00)			64487	3.15	78.9	17.4	4.2	12.8	26.5	0.83
SSNM (306:143:282)			68644	3.29	79.6	17.9	4.6	14.0	37.6	1.17
CD at 5%			1914.8	0.1	NS	NS	0.2	0.6	2.2	NS
CV (%)			3.4	2.3	1.8	4.7	4.1	5.2	7.7	54.7

Table 44: Effect of planting density and nutrient management practices on the performance of maize hybrids in *Kharif* season in Hyderabad.

Hybrids	Density	Nutrient management	Grain Yield (kg/ha)	Strew Yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	Days to maturity
P 3396	60x20 (cm) (83,333)	RDF	5484	6753	77.0	75.8	202.2	57.7	59.7	97.3
		STCR	7267	8277	78.5	77.0	212.1	58.3	60.7	99.0
		SSNM	5214	5920	78.0	76.7	197.2	59.3	60.7	98.0
		150%	7565	8350	77.4	76.5	223.8	59.3	62.0	99.0
	50x20 (cm) (1,00,000)	RDF	7764	8383	89.0	87.3	206.1	59.7	62.0	99.7
		STCR	8074	8703	93.3	91.2	232.4	58.7	61.7	102.0
		SSNM	6052	6593	84.8	82.8	203.4	60.0	62.3	100.0
		150%	8419	8790	96.1	90.4	249.9	60.0	62.3	104.0
NK 6240	60x20 (cm) (83,333)	RDF	6365	6697	77.1	76.0	208.3	59.0	60.3	99.3
		STCR	7469	8107	79.5	78.5	218.9	59.3	61.7	101.0
		SSNM	5566	6520	78.1	77.0	198.8	58.7	61.3	98.7
		150%	8122	8473	59.8	80.1	224.9	59.7	62.0	100.3
	50x20 (cm) (1,00,000)	RDF	5884	6460	87.4	86.6	207.4	57.7	60.0	100.0
		STCR	7507	7933	91.6	90.6	220.3	57.3	59.7	103.7
		SSNM	4720	5543	85.3	84.3	205.8	57.7	60.3	100.7
		150%	8663	9303	95.8	94.9	225.9	58.0	59.7	105.0
Mean of location			6883.4	7550.4	83.0	82.8	214.8	58.8	61.0	100.5
P 3396			6980	7721	84.3	82.2	215.9	59.1	61.4	99.9
NK 6240			6787	7380	81.8	83.5	213.8	58.4	60.6	101.1
CD at 5%			NS	NS	NS	NS	NS	NS	0.2	NS
CV (%)			3.0	5.6	6.7	4.8	5.1	1.1	0.2	1.3
60x20 (cm) (83,333)			6632	7387	75.7	77.2	210.8	58.9	61.0	99.1
50x20 (cm) (1,00,000)			7135	7714	90.4	88.5	218.9	58.6	61.0	101.9
CD at 5%			277.6	NS	7.1	1.4	5.2	NS	NS	0.7
CV (%)			5.0	6.9	10.7	2.1	3.0	1.2	2.1	0.9
RDF (200:60:50)			6374	7073	82.6	81.4	206.0	58.5	60.5	99.1
STCR (270:65:90)			7579	8255	85.7	84.3	220.9	58.4	60.9	101.4
SSNM (141:60:90)			5388	6144	81.6	80.2	201.3	58.9	61.2	99.3
150% (300:90:75)			8193	8729	82.3	85.5	231.1	59.3	61.5	102.1
CD at 5%			201.4	269.3	NS	2.2	7.3	NS	NS	1.1
CV (%)			3.5	4.2	10.2	3.2	4.0	1.7	2.2	1.3

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Hybrids	Density	Nutrient management	Cob length (cm)	Cob Girth (cm)	Grain rows/cob	Grains/row	100-grain weight (g)	Net Returns Rs./ha	BC Ratio
P 3396	60x20 (cm) (83,333)	RDF	16.3	13.2	13.8	32.1	21.7	39095	1.85
		STCR	17.1	14.0	14.5	34.2	26.3	65874	1.43
		SSNM	15.7	13.0	13.3	31.0	18.3	38795	0.94
		150%	17.4	14.3	14.9	35.1	27.7	66434	1.34
	50x20 (cm) (1,00,000)	RDF	15.9	13.4	13.5	30.4	22.0	72319	1.55
		STCR	17.1	14.2	14.7	33.0	28.0	76891	1.64
		SSNM	15.5	13.3	13.3	27.8	20.3	50505	1.19
		150%	17.3	14.2	15.3	30.1	29.7	78144	1.54
NK 6240	60x20 (cm) (83,333)	RDF	15.0	13.3	13.6	29.7	21.0	51597	1.13
		STCR	16.0	13.1	14.4	33.5	25.0	68573	1.49
		SSNM	14.9	13.1	13.4	28.8	18.3	44407	1.07
		150%	16.7	14.1	14.9	34.2	27.0	76495	1.54
	50x20 (cm) (1,00,000)	RDF	15.7	13.2	13.8	32.6	22.7	43601	0.93
		STCR	16.7	13.7	14.5	34.9	24.3	68041	1.45
		SSNM	15.5	12.2	13.1	30.7	19.3	30470	0.72
		150%	17.5	14.5	15.5	36.8	26.3	82134	1.62
Mean of location			16.3	13.5	14.2	32.2	23.6	59585.9	1.3
P 3396			16.5	13.7	14.2	31.7	24.3	61007	1.4
NK 6240			16.0	13.4	14.2	32.6	23.0	58165	1.2
CD at 5%			NS	NS	NS	NS	NS	NS	0.1
CV (%)			10.6	6.7	14.3	6.8	25.4	5.7	5.5
60x20 (cm) (83,333)			16.2	13.5	14.1	32.3	23.2	56409	1.3
50x20 (cm) (1,00,000)			16.4	13.6	14.2	32.0	24.1	62763	1.3
CD at 5%			NS	NS	NS	NS	NS	4290.9	NS
CV (%)			5.0	2.9	3.0	9.9	6.6	9.0	8.5
RDF (200:60:50)			15.7	13.3	13.7	31.2	21.8	51653	1.4
STCR (270:65:90)			16.7	13.8	14.5	33.9	25.9	69845	1.5
SSNM (141:60:90)			15.4	12.9	13.3	29.6	19.1	41044	1.0
150% (300:90:75)			17.3	14.3	15.2	34.1	27.7	75801	1.5
CD at 5%			0.3	0.3	0.4	1.5	1.3	3099.7	0.1
CV (%)			2.5	2.6	3.0	5.6	6.3	6.2	5.8

Table 45: Effect of planting density and nutrient management practices on performance of full season hybrids in Karimnagar.

Hybrid	Density	Nutrient	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plant height (cm)	Ear height (cm)	Days to 50% tasseling	Days to 50% silking
NK 6240	60x20 (cm)	SSNM	7541	7481	11437	199.3	83.3	57.7	61.7
		STCR	7944	8500	11630	204.3	83.6	58.3	62.0
		RDF	7272	7352	10889	199.7	82.7	57.0	61.7
	50x20 (cm)	SSNM	7878	8296	11926	201.7	86.3	56.7	60.7
		STCR	8044	8278	11592	206.3	87.3	58.3	62.0
		RDF	8063	8667	11555	197.0	82.7	56.7	61.0
K-3110	60x20 (cm)	SSNM	7488	7081	10963	218.3	96.3	58.0	63.0
		STCR	7297	7481	10889	207.3	88.3	59.0	63.0
		RDF	7446	6778	10592	208.7	92.0	60.7	64.3
	50x20 (cm)	SSNM	7575	7111	11370	209.0	92.3	60.0	65.0
		STCR	7637	7259	11000	194.7	89.0	59.7	63.3
		RDF	7468	7926	11000	203.3	87.7	60.3	65.7
Mean of location			7637.7	7684.2	11236.9	204.1	87.6	58.5	62.8
NK 6240			7790	8096	11505	201.4	84.3	57.4	61.5
K-3110			7485	7273	10969	206.9	90.9	59.6	64.1
CD at 5%			NS	NS	472.8	NS	NS	1.1	0.9
CV (%)			7.2	16.2	2.9	5.6	10.4	1.3	1.0
60x20 (cm)			7498	7446	11067	206.3	87.7	58.4	62.6
50x20 (cm)			7777	7923	11407	202.0	87.6	58.6	62.9
CD at 5%			NS	NS	NS	NS	NS	NS	NS
CV (%)			8.6	11.2	9.8	4.8	11.2	0.9	0.6
SSNM (190:84:143)			7620	7493	11424	207.1	89.6	58.1	62.6
STCR (260:94:61)			7730	7880	11278	203.2	87.1	58.8	62.6
RDF (200:60:50)			7562	7680	11009	202.2	86.3	58.7	63.2
CD at 5%			NS	NS	NS	NS	NS	NS	NS
CV (%)			5.7	7.9	5.5	2.9	6.1	1.6	1.3

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Hybrid	Density	Nutrient	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	100-grain weight (g)	Shelling (%)	Net returns (Rs./ha)	B:C Ratio
NK 6240	60x20 (cm)	SSNM	18.1	15.8	13.5	31.3	37.7	65.9	36366	1.58
		STCR	17.7	15.2	13.2	30.2	37.0	68.4	39672	1.62
		RDF	17.9	15.3	13.3	30.0	38.5	66.8	32879	1.53
	50x20 (cm)	SSNM	18.7	16.2	14.5	30.1	36.1	66.1	39769	1.63
		STCR	17.9	15.4	13.9	30.1	37.5	69.4	40788	1.62
		RDF	17.9	15.1	13.5	31.1	36.9	69.8	43850	1.70
K-3110	60x20 (cm)	SSNM	17.3	15.5	13.5	34.4	34.9	68.4	35680	1.57
		STCR	18.5	16.9	12.4	36.3	33.7	67.1	31209	1.48
		RDF	19.6	15.9	13.2	37.3	34.9	70.4	33320	1.54
	50x20 (cm)	SSNM	18.1	15.5	12.9	36.0	36.7	66.6	33238	1.52
		STCR	18.3	14.9	12.9	33.7	34.7	69.4	31256	1.48
		RDF	17.9	15.4	13.3	30.6	33.3	67.9	35111	1.56
Mean of location			18.1	15.6	13.3	32.6	36.0	68.0	36094.8	1.57
NK 6240			18.0	15.5	13.6	30.5	37.3	67.7	38887	1.61
K-3110			18.3	15.7	13.0	34.7	34.7	68.3	33302	1.53
CD at 5%			NS	NS	NS	1.4	NS	NS	NS	NS
CV (%)			2.9	5.8	5.4	3.1	7.4	4.9	29.9	10.8
60x20 (cm)			18.2	15.8	13.2	33.2	36.1	67.8	34854	1.55
50x20 (cm)			18.1	15.4	13.5	31.9	35.9	68.2	37335	1.59
CD at 5%			NS	NS	NS	1.1	NS	NS	NS	NS
CV (%)			5.1	6.0	3.4	3.5	5.2	4.0	21.2	7.7
SSNM (190:84:143)			18.0	15.8	13.6	32.9	36.4	66.8	36263	1.58
STCR (260:94:61)			18.1	15.6	13.1	32.6	35.7	68.6	35731	1.55
RDF (200:60:50)			18.3	15.4	13.3	32.3	35.9	68.7	36290	1.58
CD at 5%			NS	NS	NS	NS	NS	1.6	NS	NS
CV (%)			5.9	5.3	4.3	7.9	9.0	2.7	16.6	6.0

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Table 46: Effect of planting density and nutrient management practices on the performance of hybrids in *Kharif* season in Ambikapur.

Hybrids	Density	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)
Bio 9637	60x20 (cm)	100% RDF	5986	9221	81.7	81.3	229.3	52.3	54.7	31.8
		STCR	6569	10469	81.5	81.9	230.1	52.0	54.7	34.0
		SSNM	7424	11804	81.7	82.6	228.2	52.7	55.7	34.6
	50x20 (cm)	100% RDF	5990	9066	97.6	97.6	237.0	51.7	54.3	30.8
		STCR	6297	10012	96.7	97.2	245.8	52.3	55.3	33.6
		SSNM	6314	10039	97.5	98.1	253.8	52.7	55.3	33.4
Bio 9682	60x20 (cm)	100% RDF	5015	7693	82.4	82.6	218.4	51.7	54.7	29.1
		STCR	5444	8657	81.4	81.4	222.3	52.3	55.0	32.8
		SSNM	6106	9708	80.3	82.4	227.2	52.7	55.7	33.2
	50x20 (cm)	100% RDF	5270	8119	99.2	99.2	220.1	51.7	54.7	30.7
		STCR	5939	9443	98.2	98.2	234.7	52.0	55.0	32.4
		SSNM	6067	9647	97.6	97.6	237.5	51.3	54.3	32.9
Mean of location			6035.2	9489.9	89.6	90.0	232.0	52.1	54.9	32.4
Bio 9637			6430	10102	89.4	89.8	237.3	52.3	55.0	33.0
Bio 9682			5640	8878	89.8	90.2	226.7	51.9	54.9	31.9
CD at 5%			463.5	791.3	NS	NS	NS	NS	NS	0.6
CV (%)			5.4	5.8	1.0	0.4	7.1	1.1	0.6	1.2
60x20 (cm)			6091	9592	81.5	82.0	225.9	52.3	55.1	32.6
50x20 (cm)			5980	9388	97.8	98.0	238.2	51.9	54.8	32.3
CD at 5%			NS	NS	1.2	1.0	12.1	NS	NS	NS
CV (%)			13.1	13.5	1.4	1.2	5.7	1.4	1.6	5.3
100% RDF (150:60:40)			5565	8525	90.2	90.2	226.2	51.8	54.6	30.6
STCR (165:75:81)			6063	9645	89.4	89.7	233.2	52.2	55.0	33.2
SSNM (170:67:86)			6478	10300	89.3	90.2	236.7	52.3	55.3	33.5
CD at 5%			485.0	769.0	NS	NS	7.5	NS	NS	1.1
CV (%)			9.3	9.4	1.4	1.8	3.7	1.9	2.1	3.8

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Hybrids	Density	Nutrient management	Net returns (Rs./ha)	B:C ratio	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	Total uptake (kg/ha)		
									N	P	K
Bio 9637	60x20 (cm)	100% RDF	55040	1.94	16.9	13.2	12.7	35.5	132.9	24.3	122.0
		STCR	61442	2.05	17.4	14.3	14.4	38.7	150.6	27.5	138.7
		SSNM	72638	2.36	18.0	14.9	15.0	39.9	171.2	31.6	158.9
	50x20 (cm)	100% RDF	54985	1.94	16.1	12.4	12.1	33.7	130.4	23.9	118.0
		STCR	57957	1.94	16.9	13.4	13.9	38.2	141.7	26.0	130.4
		SSNM	57165	1.86	17.7	14.0	14.2	39.2	143.1	26.6	132.6
Bio 9682	60x20 (cm)	100% RDF	41338	1.46	16.4	13.0	12.9	34.7	110.2	19.9	100.1
		STCR	45697	1.53	17.0	13.8	14.5	37.6	123.6	23.0	113.1
		SSNM	54026	1.75	17.6	14.6	14.7	38.9	139.7	25.4	128.7
	50x20 (cm)	100% RDF	44505	1.57	16.1	12.0	12.0	32.7	115.2	20.9	104.2
		STCR	52486	1.76	16.5	13.2	13.7	37.3	133.5	24.2	122.1
		SSNM	53401	1.73	17.3	13.6	14.0	38.8	136.8	25.2	126.2
Mean of location			54223.5	1.83	17.0	13.5	13.7	37.1	135.7	24.9	124.6
Bio 9637			59871	2.02	17.1	13.7	13.7	37.5	145.0	26.7	133.4
Bio 9682			48576	1.63	16.8	13.4	13.6	36.7	126.5	23.1	115.7
CD at 5%			6562.4	0.20	NS	0.3	NS	NS	15.3	2.5	9.1
CV (%)			8.4	7.7	2.1	1.6	0.9	2.0	7.9	7.0	5.1
60x20 (cm)			55030	1.85	17.2	13.9	14.0	37.6	138.0	25.3	126.9
50x20 (cm)			53417	1.80	16.7	13.1	13.3	36.6	133.5	24.5	122.3
CD at 5%			NS	NS	0.4	0.6	0.7	0.8	NS	NS	NS
CV (%)			20.2	20.1	2.2	4.8	5.2	2.3	13.3	13.5	12.4
100% RDF (150:60:40)			48967	1.73	16.3	12.7	12.4	34.2	122.2	22.3	111.1
STCR (165:75:81)			54396	1.82	16.9	13.7	14.1	37.9	137.4	25.2	126.1
SSNM (170:67:86)			59308	1.93	17.6	14.3	14.5	39.2	147.7	27.2	136.6
CD at 5%			6712.4	NS	0.5	0.5	0.3	1.1	11.3	2.0	10.1
CV (%)			14.3	14.4	3.2	4.5	2.4	3.5	9.6	9.5	9.4

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Table 47: Effect of planting density and nutrient management practices on the performance of hybrids in *Kharif* season in Banswara.

Hybrids	Density	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	Net returns (Rs./ha)	B:C ratio
BIO-9681	60x20 (cm)	RDF	5556	7559	81.9	78.6	216.7	51.0	54.0	45976	1.72
		STCR	3278	6130	80.8	71.0	194.0	48.7	52.7	14040	0.76
		SSNM	6500	8089	78.8	89.1	240.4	50.3	53.3	58649	2.06
	50x20 (cm)	RDF	6528	8538	88.6	80.3	210.7	49.7	54.0	59080	2.07
		STCR	3750	6788	87.9	75.3	192.0	49.7	53.0	20019	0.93
		SSNM	7667	9269	88.3	92.1	226.7	50.3	54.0	74524	2.48
P-3502	60x20 (cm)	RDF	6361	8488	80.0	93.0	238.3	49.7	53.3	57455	2.06
		STCR	4256	8095	85.7	76.3	217.3	48.7	51.0	27973	1.19
		SSNM	7833	9291	84.0	108.4	243.3	51.0	54.0	77649	2.62
	50x20 (cm)	RDF	7472	9177	88.2	98.6	235.0	50.3	53.3	72539	2.47
		STCR	4972	8563	98.3	89.7	213.3	47.3	52.3	37435	1.45
		SSNM	8750	10493	92.5	112.4	250.3	51.7	54.0	89961	2.92
Mean of location			6076.9	8373.3	86.3	88.7	223.2	49.9	53.3	52941.8	1.90
BIO-9681			5546	7729	84.4	81.1	213.4	49.9	53.5	45381	1.67
P-3502			6607	9018	88.1	96.4	232.9	49.8	53.0	60502	2.12
CD at 5%			NS	NS	1.1	7.7	14.9	NS	NS	NS	NS
CV (%)			21.9	15.3	0.9	6.0	4.7	2.0	3.3	35.8	29.9
60x20 (cm)			5631	7942	81.9	86.1	225.0	49.9	53.1	46957	1.74
50x20 (cm)			6523	8805	90.6	91.4	221.3	49.8	53.4	58926	2.06
CD at 5%			823.4	349.7	3.7	NS	NS	NS	NS	11734.0	NS
CV (%)			14.6	4.5	4.6	6.8	4.6	2.9	4.1	23.9	20.20
RDF (120:60:40)			6479	8441	84.7	87.6	225.2	50.2	53.7	58763	2.08
STCR (83:51:52)			4064	7394	88.2	78.1	204.2	48.6	52.3	24867	1.08
SSNM (182:51:57.4)			7688	9285	85.9	100.5	240.2	50.8	53.8	75196	2.52
CD at 5%			655.0	573.4	NS	4.4	9.4	0.7	0.8	9333.5	0.28
CV (%)			12.5	7.9	4.3	5.7	4.9	1.7	1.7	20.4	16.8

Table 48: Effect of planting density and nutrients management practices on the performance of hybrids in *Kharif* season (Maize Chickpea Trial) in Godhra.

Hybrids	Density	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)
GAYMH-1	60x25 (cm)	120:60:0	3889	5067	5000	62.9	55.3	192.0
		75:20:50	3511	4044	4533	62.2	55.8	166.3
		140:30:37	3689	4111	4622	63.3	54.0	141.3
	60x20 (cm)	120:60:0	3667	4756	4733	70.7	62.0	193.3
		75:20:50	4156	4844	5356	76.0	64.9	165.3
		140:30:37	3067	4289	3844	68.9	60.9	140.3
HQPM-1	60x25 (cm)	120:60:0	5733	5867	6889	61.1	58.2	172.0
		75:20:50	5933	5778	7067	60.0	53.8	165.0
		140:30:37	5200	5000	6333	60.2	56.7	136.3
	60x20 (cm)	120:60:0	6222	6467	7333	71.1	65.1	180.0
		75:20:50	6111	6178	7178	68.4	59.6	162.7
		140:30:37	5311	5511	6467	72.9	64.4	141.0
Mean of location			4707.4	5159.3	5779.6	66.5	59.2	163.0
GAYMH-1			3663	4519	4681	67.3	58.8	166.4
HQPM-1			5752	5800	6878	65.6	59.6	159.5
CD at 5%			1064.7	622.3	1351.2	NS	NS	NS
CV (%)			15.8	8.4	16.3	2.5	8.5	3.8
60x25 (cm)			4659	4978	5741	61.6	55.6	162.2
60x20 (cm)			4756	5341	5819	71.3	62.8	163.8
CD at 5%			NS	NS	NS	5.4	4.8	NS
CV (%)			16.6	10.1	16.2	8.7	8.8	2.0
120:60:0			4878	5539	5989	66.4	60.2	184.3
75:20:50			4928	5211	6033	66.7	58.5	164.8
140:30:37			4317	4728	5317	66.3	59.0	139.8
CD at 5%			382.2	582.9	476.4	NS	NS	6.3
CV (%)			9.4	13.1	9.5	8.1	9.2	4.5

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Hybrids	Density	Nutrient management	Barrenness in maize (%)	Days 50 % silking	1000 seed weight (gm)	Net return (Rs/ha)	BC ratio
GAYMH-1	60x25 (cm)	120:60:0	12.2	55.7	180.0	60240	4.32
		75:20:50	9.7	57.3	180.0	53073	4.09
		140:30:37	14.7	57.0	173.3	56916	4.61
	60x20 (cm)	120:60:0	12.2	57.3	160.0	56005	4.08
		75:20:50	14.6	57.3	153.3	65273	4.80
		140:30:37	11.6	59.3	180.0	47051	3.98
HQPM-1	60x25 (cm)	120:60:0	5.0	56.7	186.7	93962	6.17
		75:20:50	10.6	59.7	173.3	98206	6.72
		140:30:37	5.8	60.3	180.0	85145	6.40
	60x20 (cm)	120:60:0	8.3	57.0	173.3	103399	6.69
		75:20:50	12.9	58.7	180.0	102606	6.98
		140:30:37	12.1	60.7	166.7	87616	6.56

Mean of location 10.8 58.1 173.9 75791.0 5.5

GAYMH-1	12.5	57.3	171.1	56426	4.3
HQPM-1	9.1	58.8	176.7	95156	6.6

CD at 5% NS 1.1 NS
CV (%) 53.6 1.3 13.4

60x25 (cm)	9.7	57.8	178.9	74590	5.4
60x20 (cm)	12.0	58.4	168.9	76992	5.5

CD at 5% 2.3 NS NS
CV (%) 22.6 1.9 8.8

120:60:0	9.4	56.7	175.0	78402	5.3
75:20:50	12.0	58.3	171.7	79790	5.6
140:30:37	11.1	59.3	175.0	69182	5.4

CD at 5% NS 1.0 NS
CV (%) 30.1 2.0 13.6

Table 49: Effect of planting density and nutrient management practices on the performance of hybrids in *Kharif* season in Udaipur.

Hybrids	Densities	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Cob length (cm)
PHM-3	50x20 (cm)	RDF	4943	7416	96.3	106.1	215.3	17.0
		SSNM	5444	8314	96.3	106.5	225.2	18.0
		STCR	6026	9385	96.4	111.0	230.3	18.0
		G. Seeker	4760	7040	96.3	105.6	210.2	16.1
	60x20 (cm)	RDF	4516	6770	82.2	90.9	205.7	17.0
		SSNM	5208	7961	81.5	90.0	215.3	18.0
		STCR	5459	8495	81.6	93.6	219.3	18.0
		G. Seeker	4362	6449	81.4	89.3	195.5	16.0
DHM-117	50x20 (cm)	RDF	5572	8370	96.4	91.3	215.6	15.2
		SSNM	6045	9264	96.4	91.4	225.4	16.0
		STCR	6504	10105	96.3	91.2	229.8	16.1
		G. Seeker	5249	7711	96.5	91.4	210.4	14.0
	60x20 (cm)	RDF	5141	7735	81.0	77.0	205.6	15.0
		SSNM	5482	8387	81.8	78.0	215.3	16.0
		STCR	6009	9388	81.5	77.5	219.4	16.1
		G. Seeker	4708	6973	82.0	78.3	195.5	13.0
Mean of location			5339.2	8110.2	89.0	91.8	214.6	16.2
PHM-3			5090	7729	89.0	99.1	214.6	17.3
DHM-117			5589	8492	89.0	84.5	214.6	15.2
CD at 5%			380.4	575.1	NS	6.7	NS	1.3
CV (%)			9.0	8.9	9.9	9.2	7.4	9.8
50x20 (cm)			5568	8451	96.4	99.3	220.3	16.3
60x20 (cm)			5111	7770	81.6	84.3	209.0	16.1
CD at 5%			256.5	398.8	1.7	2.2	4.8	NS
CV (%)			7.9	8.0	3.1	3.9	3.7	2.3
RDF (90:40:00)			5043	7573	89.0	91.3	210.5	16.1
SSNM (116:41:00)			5545	8481	89.0	91.5	220.3	17.0
STCR (158.2:88.1:80.3)			5999	9343	88.9	93.3	224.7	17.0
G. Seeker (82:40:00)			4770	7043	89.0	91.1	202.9	14.8
CD at 5%			144.9	222.5	NS	1.1	4.2	0.3
CV (%)			3.8	3.8	1.1	1.6	2.7	2.3

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Hybrids	Densities	Nutrient management	Days to 50% tasseling	Days to 50% silking	Shelling (%)	Barrenness (%)	Net returns (Rs/ha)	B:C ratio
PHM-3	50x20 (cm)	RDF	44.0	49.5	80.4	0.30	45749	2.04
		SSNM	43.0	48.5	82.3	0.38	52695	2.33
		STCR	44.0	49.5	83.5	0.38	58204	2.29
		G. Seeker	44.0	49.5	79.3	0.20	43165	1.93
	60x20 (cm)	RDF	43.5	49.0	81.3	0.30	40050	1.80
		SSNM	43.5	49.0	82.3	0.40	49643	2.22
		STCR	44.0	49.5	83.3	0.40	50540	2.01
		G. Seeker	44.0	49.5	79.3	0.20	37877	1.71
DHM-117	50x20 (cm)	RDF	46.0	52.5	74.4	0.48	54451	2.42
		SSNM	45.0	51.5	76.4	0.60	61054	2.70
		STCR	46.0	52.5	77.4	0.60	64807	2.56
		G. Seeker	46.0	52.5	73.4	0.40	49838	2.22
	60x20 (cm)	RDF	46.0	52.5	81.4	0.50	48710	2.19
		SSNM	45.3	51.8	78.0	0.58	53439	2.39
		STCR	46.0	52.5	77.8	0.60	58210	2.31
		G. Seeker	52.5	52.5	73.3	0.40	42657	1.92
Mean of location			45.2	50.8	79.0	0.42	50693.3	2.19
PHM-3			43.8	49.3	81.4	0.32	47241	2.04
DHM-117			46.6	52.3	76.5	0.52	54146	2.34
CD at 5%			NS	NS	NS	0.03	5254.0	0.23
CV (%)			9.3	8.6	9.0	9.75	13.0	13.0
50x20 (cm)			44.8	50.8	78.4	0.42	53746	2.31
60x20 (cm)			45.6	50.8	79.6	0.42	47641	2.07
CD at 5%			NS	NS	NS	NS	3555.8	0.16
CV (%)			6.3	5.8	3.8	5.97	11.5	11.6
RDF (90:40:00)			44.9	50.9	79.4	0.39	47240	2.11
SSNM (116:41:00)			44.2	50.2	79.7	0.49	54208	2.41
STCR (158.2:88.1:80.3)			45.0	51.0	80.5	0.49	57940	2.29
G. Seeker (82:40:00)			46.6	51.0	76.3	0.30	43384	1.94
CD at 5%			0.8	NS	1.4	0.02	2003.7	0.09
CV (%)			2.6	2.6	2.5	5.45	5.5	5.6

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Table 50: Effect of planting density and nutrient management practices on the performance of hybrid in the Rabi season (rice - maize) in Dholi.

Hybrid	Density	Nutrient management	Grain yield (kg/ha)	Stalk yield (kg/ha)	Days of flowering	Days of maturity	Plant height (cm)	Ear height (cm)
Syngenta NK 7720	60x20 (cm)	RDF	5439	8067	103.0	127.7	91.7	29.7
		STCR	5284	7000	102.0	126.7	91.0	29.3
		SSNM	5572	7289	101.3	126.0	90.0	28.9
	50x20 (cm)	RDF	5372	7822	101.7	126.0	93.3	29.0
		STCR	5483	7378	102.0	126.3	90.7	29.1
		SSNM	5128	7333	102.3	128.0	92.3	29.7
Pioneer 3396	60x20 (cm)	RDF	4973	6889	103.0	128.0	91.3	28.0
		STCR	5461	7778	101.0	126.7	92.3	29.7
		SSNM	4773	6889	100.0	125.7	92.3	29.7
	50x20 (cm)	RDF	5062	7556	101.0	125.3	91.0	28.0
		STCR	5550	7000	101.0	126.7	92.0	31.3
		SSNM	5239	6556	102.3	129.0	94.3	30.0
Mean of location			5278.0	7296.3	101.7	126.8	91.9	29.4
Syngenta NK 7720			5380	7481	102.1	126.8	91.5	29.3
Pioneer 3396			5176	7111	101.4	126.9	92.2	29.4
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			9.7	12.8	0.75	1.9	1.4	8.8
60x20 (cm)			5250	7319	101.7	126.8	91.4	29.2
50x20 (cm)			5306	7274	101.7	126.9	92.3	29.5
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			12.5	17.9	0.54	1.1	2.6	8.3
RDF			5211	7583	102.2	126.8	91.8	28.7
STCR			5445	7289	101.5	126.6	91.5	29.9
SSNM			5178	7017	101.5	127.2	92.3	29.6
CD at 5%			NS	NS	0.48	0.4	NS	NS
CV (%)			8.3	10.4	0.54	0.4	2.4	4.0

Table 51: Long term trial on integrated nutrient management in maize-wheat cropping system in Pantnagar.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
T ₁	3682	6680	81.1	81.3	152.3	66.0	70.3	25.3	32925	1.69
T ₂	4937	9081	81.3	83.1	188.4	61.0	65.3	28.9	44273	1.70
T ₃	4851	8264	78.2	79.4	180.8	61.7	66.3	27.3	44474	1.80
T ₄	4616	7894	79.1	79.5	177.2	62.0	66.0	27.2	42549	1.83
T ₅	4366	7333	82.2	82.7	168.9	64.0	68.3	27.0	35474	1.33
T ₆	4545	7628	79.4	80.0	177.2	64.3	68.3	26.7	79037	2.76
T ₇	5536	9684	81.8	83.4	202.4	61.3	65.3	30.2	49914	1.72
T ₈	4863	8579	83.7	84.4	185.0	62.3	66.7	27.9	43181	1.65
T ₉	5376	9566	82.8	83.9	195.0	61.7	65.7	29.3	49985	1.88
T ₁₀	4042	7239	79.8	80.1	161.7	64.3	68.0	26.5	35162	1.57
Mean	4681.3	8194.9	80.9	81.8	178.9	62.9	67.0	27.6	45697.5	1.79
CD	238.0	398.0	4.2	3.8	7.0	1.3	1.8	1.8	3223.2	0.13
CV (%)	3.0	2.8	3.0	2.7	2.3	1.2	1.5	3.9	4.1	4.2
Significance	S	S	N.S.	N.S.	S	S	S	S	S	S

Treatment	Cob length (cm)	Grain rows/cob	Total uptake (kg/ha)			Narrow leaves weeds/m ²	Broad leaves/m ²	Sedges/m ²
			N	P	K			
T ₁	12.1	14.2	94.2	14.0	36.2	62.7	4.3	10.0
T ₂	14.7	14.5	141.5	25.5	66.9	62.0	10.3	10.7
T ₃	14.1	14.0	130.9	21.6	59.9	51.0	9.7	1.0
T ₄	13.3	13.8	115.6	18.9	52.7	49.3	6.0	0.0
T ₅	13.5	13.5	118.5	16.4	47.1	41.7	5.0	0.0
T ₆	12.6	13.4	130.9	18.1	49.6	36.3	7.3	0.3
T ₇	15.6	15.3	164.9	29.1	77.1	55.7	5.0	0.0
T ₈	13.7	14.2	128.8	22.6	70.2	46.3	1.3	0.3
T ₉	15.3	14.7	150.3	25.3	73.9	59.3	9.3	0.0
T ₁₀	12.3	13.1	110.7	15.8	44.6	77.3	5.0	0.7
Mean	13.7	14.1	128.6	20.7	57.8	54.2	6.3	2.3
CD	1.4	0.9	6.8	1.4	2.9	6.6	2.4	2.3
CV (%)	5.8	3.6	3.1	3.9	2.9	7.2	22.4	57.3
Significance	S	S	S	S	S	S	S	S

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Treatment	Weight narrow leaves (g)/m ²	Weight broad leaves (g)/m ²	Weight sedges (g)/m ²	pH	Electrical conductivity (dS/m)	Organic C (%)	Available (kg/ha)		
							N	P	K
T ₁	0.65	0.28	0.20	7.2	0.15	0.83	164.5	21.1	144.7
T ₂	0.64	0.72	0.23	7.2	0.18	0.94	181.7	25.8	154.4
T ₃	0.48	0.64	0.03	7.1	0.15	0.90	176.2	24.9	151.1
T ₄	0.46	0.35	0.00	7.1	0.14	0.89	171.3	22.7	148.2
T ₅	0.36	0.35	0.00	6.9	0.12	1.11	168.5	21.9	145.6
T ₆	0.34	0.47	0.01	7.0	0.10	1.16	176.0	23.2	150.4
T ₇	0.58	0.47	0.00	7.0	0.15	1.04	191.4	27.5	158.7
T ₈	0.40	0.12	0.02	6.9	0.11	0.98	173.1	25.0	149.7
T ₉	0.65	0.70	0.00	7.1	0.15	0.96	182.7	29.1	154.5
T ₁₀	0.79	0.50	0.02	6.9	0.11	0.87	167.4	21.7	146.9
Mean	0.53	0.46	0.05	7.0	0.13	0.97	175.3	24.3	150.4
CD	0.11	0.16	0.05	0.2	0.04	0.04	4.5	1.6	3.6
CV (%)	11.8	20.6	52.1	1.3	16.1	2.7	1.5	3.8	1.4
Significance	S	S	S	S	S	S	S	S	S

Treatment details:

- T₁ Control (Unmanured)
- T₂ 100% RDF
- T₃ 75% RDF
- T₄ 50% RDF
- T₅ FYM 10t/ha + Azatobactor
- T₆ Maize + Cowpea with FYM 10 t/ha +Azatobactor
- T₇ 100% RDF + 5 t/ha FYM
- T₈ 50% RDF + 5 t/ha FYM
- T₉ 100% RDF + 5 kg Zn/ha
- T₁₀ FYM 5 t/ha (state practice)

Table 53: Weed management in maize systems in Imphal.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking
T ₁	3460	8883	64.1	62.7	202.0	53.7	56.0
T ₂	6695	11028	66.3	64.7	227.9	53.3	55.7
T ₃	7445	13345	66.6	65.1	221.3	53.3	56.0
T ₄	6317	10978	62.2	60.5	236.3	53.0	55.7
T ₅	9165	9587	67.2	65.6	223.7	53.0	55.3
T ₆	7513	10634	62.5	61.2	225.6	53.3	55.7
T ₇	6123	10042	64.7	63.2	198.3	53.7	56.3
T ₈	8874	10248	71.3	69.7	240.1	53.0	55.7
T ₉	7696	12422	71.7	69.7	219.4	53.3	55.7
T ₁₀	8061	10089	62.2	60.6	241.2	52.7	55.3
Mean	7135.1	10725.6	65.9	64.3	223.6	53.2	55.7
CD	1295.2	5307.3	7.1	6.9	18.2	1.5	2.3
CV (%)	10.6	28.8	6.3	6.3	4.7	1.7	2.4
Significance	S	N.S.	N.S.	N.S.	S	N.S.	N.S.

Treatments	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio	Grassy weeds m ² at 50 DAS	Grassy, weeds m ² at harvest	Broad leaves weeds m ² at 50 DAS	Broad leaves weeds m ² at harvest
T ₁	28.9	46712	1.46	5.3	3.7	8.0	7.3
T ₂	29.3	90384	2.20	0.0	0.0	0.0	0.0
T ₃	32.4	100509	3.04	1.7	4.3	2.3	5.0
T ₄	29.2	85277	2.52	3.7	5.0	2.3	6.7
T ₅	31.8	123731	3.71	2.7	6.0	1.0	6.3
T ₆	31.8	101432	2.74	4.7	5.3	6.7	8.0
T ₇	31.6	82667	2.20	4.0	5.3	4.3	7.7
T ₈	31.2	119802	3.31	2.7	4.7	0.0	4.7
T ₉	33.1	103896	3.02	3.3	4.0	2.0	5.3
T ₁₀	32.9	108829	2.97	1.3	4.0	1.7	5.3
Mean	31.2	96324.1	2.72	2.9	4.2	2.8	5.6
CD	3.0	17485.1	0.50	2.8	2.1	3.3	3.8
CV (%)	5.6	10.6	10.7	55.8	28.9	67.4	39.2
Significance	N.S.	S	S	S	S	S	S

Table 54: Weed management in maize systems in Srinagar.

Treat-ments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio	Barrenness in maize (%)
T ₁	3810	9255	82.7	66.4	166.0	79.7	84.0	21.3	55848	0.63	30.7
T ₂	7110	15429	82.8	100.9	222.3	90.3	94.0	24.6	112556	2.40	10.5
T ₃	5599	12991	82.7	89.5	230.3	86.0	89.7	24.6	115851	2.52	11.2
T ₄	6114	13848	82.6	96.2	240.3	85.7	90.3	24.9	132793	2.77	11.0
T ₅	6177	14433	82.8	97.9	238.3	90.3	94.3	24.3	137041	2.87	12.6
T ₆	5643	12987	82.7	91.9	240.7	90.0	94.0	24.9	121952	2.60	11.2
T ₇	6497	14460	82.9	99.4	245.0	87.0	91.3	24.2	142588	2.89	11.5
T ₈	5193	12721	82.8	88.4	223.7	88.3	92.7	25.0	117184	2.50	11.7
T ₉	5726	13154	82.8	96.0	233.7	86.0	90.7	24.0	126026	2.81	12.1
T ₁₀	6375	14230	82.5	98.3	236.0	87.7	91.0	25.1	138018	2.73	11.9
Mean	5824.4	13350.8	82.7	92.5	227.6	87.1	91.2	24.3	119985.7	2.47	13.4
CD	343.1	571.9	0.6	2.1	13.4	3.7	3.7	1.9	4288.3	0.16	1.7
CV (%)	3.4	2.5	0.5	1.3	3.4	2.5	2.4	4.6	2.1	3.8	7.5
Significance	S	S	N.S.	S	S	S	S	S	S	S	S

Treatments	Grassy weeds m ² at 50 DAS	Grassy, weeds m ² at harvest	Broad leaves weeds m ² at 50 DAS	Broad leaves weeds m ² at harvest	Sedges, if any at harvest	Grassy weeds g/m ² at 50 DAS	Grassy weeds g/m ² at harvest	Broad leaves weeds g/m ² at 50 DAS	Broad leaves weeds g/m ² at harvest	Sedges g/m ² at harvest
T ₁	84.1	70.8	85.4	66.3	1.7	31.3	21.6	39.2	13.6	1.0
T ₂	3.7	1.8	3.1	1.7	0.3	1.8	1.1	1.1	0.5	0.0
T ₃	21.2	15.2	16.1	11.3	0.7	10.2	7.9	9.5	2.4	0.7
T ₄	16.4	9.2	12.1	7.7	0.7	3.9	3.4	4.8	2.4	0.3
T ₅	12.7	8.8	9.1	4.0	0.0	6.4	3.6	3.4	1.9	0.3
T ₆	20.5	12.8	15.1	8.7	1.0	10.1	6.1	7.8	2.6	0.7
T ₇	10.3	6.5	4.7	2.7	0.7	3.7	1.8	2.2	1.0	0.3
T ₈	26.4	14.8	17.4	10.0	0.3	10.4	8.1	8.3	3.2	0.7
T ₉	18.7	11.8	14.1	6.3	1.3	7.0	4.5	5.5	2.8	0.7
T ₁₀	11.4	9.8	5.9	4.0	0.7	5.1	1.6	2.7	1.1	0.7
Mean	22.5	16.2	18.3	12.3	0.7	9.0	6.0	8.5	3.2	0.5
CD	3.3	2.8	3.2	3.8	1.1	1.6	1.7	1.7	1.5	1.2
CV (%)	8.6	10.0	10.2	18.1	85.4	10.3	16.7	11.8	27.4	133.1
Significance	S	S	S	S	N.S.	S	S	S	S	N.S.

Table 55: Weed management in maize systems in Karnal.

Treatments	Grain yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Net returns (Rs./ha)	B:C ratio	Grassy weeds m ² at 50 DAS	Grassy weeds g/m ² at 50 DAS
T ₁	2524	3102	4313	45.2	19.6	1.1	112.6	394.2
T ₂	6497	7990	6887	71.2	286.1	1.6	0.0	0.0
T ₃	5498	6759	6893	71.7	346.4	2.0	85.3	253.3
T ₄	5450	6701	6840	70.1	333.7	2.0	42.6	229.8
T ₅	5524	6794	6920	73.4	351.6	2.0	52.2	238.4
T ₆	3649	4488	6863	70.0	108.9	1.3	63.8	324.2
T ₇	5383	6616	6900	71.3	304.2	1.8	42.2	218.4
T ₈	6315	7766	6880	71.5	410.4	2.1	40.0	125.0
T ₉	6465	7950	6947	71.5	465.2	2.4	27.6	109.7
T ₁₀	6468	7952	6930	70.4	422.3	2.1	29.0	62.8
Mean	5377.1	6611.6	6637.3	68.6	304.8	1.8	49.5	195.6
CD	590.7	728.6	349.5	5.1	65.5	0.2	15.7	82.5
CV (%)	6.4	6.4	3.1	4.4	12.5	5.8	18.5	24.6
Significance	S	S	S	S	S	S	S	S

Table 56: Weed management in maize systems in Ludhiana.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	Net returns (Rs./ha)	BC ratio
T ₁	4354	5662	76.4	73.1	163.3	60.0	62.3	25655	0.65
T ₂	6667	8667	82.4	81.7	219.3	57.3	59.3	56275	1.30
T ₃	4854	7380	78.9	77.8	202.3	57.7	59.7	33748	0.85
T ₄	5940	9028	80.6	79.4	209.3	58.3	60.3	50252	1.26
T ₅	5146	7771	79.2	78.5	198.0	58.3	60.7	38185	0.96
T ₆	4887	7086	75.7	74.8	184.3	58.7	61.0	31427	0.74
T ₇	5563	8067	79.4	78.0	187.3	59.0	61.7	41185	0.96
T ₈	5338	8273	78.9	78.0	201.7	57.3	59.7	37695	0.87
T ₉	6407	9919	81.7	80.8	205.7	57.7	59.3	57153	1.42
T ₁₀	6373	10005	81.5	81.5	206.3	57.3	59.7	53100	1.21
Mean	5552.8	8185.6	79.5	78.4	197.8	58.2	60.4	42467.4	1.02
CD	939.2	1330.4	4.8	5.0	27.2	2.2	1.8	14146.0	0.34
CV (%)	9.9	9.5	3.5	3.7	8.0	2.2	1.7	19.4	19.4
Significance	S	S	N.S.	S	S	N.S.	S	S	S

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Treatments	No. of weeds/m ² at 50 DAS			Dry weight of weeds g/m ² at 50 DAS			No. of weeds g/m ² at harvest		
	Grasses weed	Broadleaf	Sedges	Grasses weed	Broadleaf	Sedges	Grasses weed	Broadleaf	Sedges
T ₁	63.0	29.3	54.3	22.8	20.5	19.4	65.3	26.7	58.0
T ₂	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T ₃	23.0	16.0	30.0	8.3	11.6	10.4	25.0	13.7	29.0
T ₄	21.0	11.7	26.0	6.6	10.1	9.8	22.3	10.0	24.7
T ₅	21.7	10.7	14.0	5.5	9.0	7.9	21.7	9.3	12.7
T ₆	13.7	7.3	16.0	3.5	4.7	7.2	13.7	6.7	13.0
T ₇	11.3	6.7	12.3	3.3	4.1	6.7	12.3	5.7	10.3
T ₈	22.3	7.3	14.3	4.4	4.4	8.9	22.7	6.3	13.0
T ₉	13.0	6.7	18.3	4.7	4.1	10.7	13.3	5.7	17.0
T ₁₀	13.7	5.3	13.0	3.8	3.3	7.4	14.3	4.7	11.3
Mean	20.3	10.1	19.8	6.3	7.2	8.8	21.1	8.9	18.9
CD	6.9	6.1	5.6	2.2	2.8	2.5	6.0	4.4	4.8
CV (%)	19.9	34.9	16.5	20.2	22.6	16.6	16.7	29.1	14.7
Significance	S	S	S	S	S	S	S	S	S

Treatments	Dry weight of weeds g/m ² at harvest		
	Grasses weed	Broadleaf	Sedges
T ₁	27.0	24.6	23.4
T ₂	0.0	0.0	0.0
T ₃	10.3	15.7	13.5
T ₄	8.0	13.9	13.1
T ₅	7.0	13.5	11.6
T ₆	4.5	9.1	11.8
T ₇	5.5	9.8	11.4
T ₈	5.9	8.1	11.5
T ₉	6.4	7.4	11.8
T ₁₀	5.4	7.3	11.2
Mean	8.0	11.0	11.9
CD	4.8	4.3	4.4
CV (%)	34.9	23.0	21.4
Significance	S	S	S

Table 57: Weed management in maize systems in Pantnagar.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	100-seed weight (g)
T ₁	2074	3481	59.3	55.6	136.5	54.0	56.0	23.0
T ₂	4426	7037	63.0	63.7	163.8	54.7	57.3	25.3
T ₃	3963	5481	63.0	64.4	162.5	53.3	57.0	23.8
T ₄	3803	5704	62.2	62.2	163.4	53.3	57.0	24.0
T ₅	4317	5889	60.7	60.7	161.8	53.7	57.7	24.8
T ₆	2869	3630	56.3	50.4	137.8	55.0	57.3	23.1
T ₇	3952	5630	63.0	62.2	161.9	53.3	56.3	24.0
T ₈	4232	5815	62.2	60.0	160.5	54.3	56.7	24.6
T ₉	3914	5630	63.0	61.5	162.4	53.7	56.3	24.4
T ₁₀	4291	6815	62.2	62.2	162.0	54.3	57.3	24.9
Mean	3784.2	5511.1	61.5	60.3	157.3	54.0	56.9	24.2
CD	938.8	1136.0	5.1	5.6	15.3	2.1	2.4	2.4
CV (%)	14.5	12.0	4.8	5.4	5.7	2.3	2.5	5.9
Significance	S	S	N.S.	S	S	N.S.	N.S.	N.S.

Treatments	Net returns (Rs. /ha)	B:C ratio	Cob length (cm)	Cob girth (cm)	Grassy weeds m ² at 50 DAS	Grassy, weeds m ² at harvest	Broad leaves weeds m ² at 50 DAS	Broad leaves weeds m ² at harvest
T ₁	6850	0.30	9.0	9.8	26.7	19.7	13.3	6.7
T ₂	23619	0.60	13.2	12.9	0.0	0.0	0.0	0.0
T ₃	32005	1.31	12.1	11.8	40.0	34.3	4.0	1.0
T ₄	29154	1.16	12.0	11.9	5.3	8.3	17.3	5.7
T ₅	36302	1.44	12.1	12.0	33.3	26.0	0.0	0.0
T ₆	12989	0.47	9.1	9.7	50.7	39.0	0.0	0.0
T ₇	26673	0.90	12.2	12.3	37.3	31.0	0.0	0.0
T ₈	33040	1.21	12.7	12.3	6.7	4.7	129.3	41.3
T ₉	29593	1.13	12.2	12.0	33.3	26.7	0.0	0.0
T ₁₀	32123	1.11	13.0	12.4	2.7	2.3	5.3	1.7
Mean	26234.8	0.96	11.8	11.7	23.6	19.2	16.9	5.6
CD	13378.1	0.48	1.4	1.1	17.9	15.4	74.1	22.7
CV (%)	29.7	29.1	7.0	5.2	44.1	46.7	255.0	235.0
Significance	S	S	S	S	S	S	S	S

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Treatments	Sedges m ² at 50 DAS	Sedges m ² at harvest	Grassy weeds g/m ² at 50 DAS	Grassy weeds g/m ² at harvest	Broad leaves weeds g/m ² at 50 DAS	Broad leaves weeds g/m ² at harvest	Sedges g/m ² at 50 DAS	Sedges g/m ² at Harvest
T ₁	45.3	18.0	52.3	56.7	2.2	1.4	27.6	9.6
T ₂	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T ₃	44.0	22.0	46.4	52.1	0.3	0.2	39.6	15.4
T ₄	58.7	26.7	15.7	17.9	12.8	6.2	34.2	8.4
T ₅	46.7	24.3	21.0	24.1	0.0	0.0	39.0	13.1
T ₆	0.0	0.0	79.5	88.3	0.0	0.0	0.0	0.0
T ₇	0.0	0.0	50.2	57.2	0.0	0.0	0.0	0.0
T ₈	53.3	27.0	6.4	8.9	62.3	41.5	57.7	13.7
T ₉	14.7	7.0	36.4	40.8	0.0	0.0	14.3	5.1
T ₁₀	184.0	71.7	4.5	4.9	0.6	0.4	148.8	36.7
Mean	44.7	19.7	31.2	35.1	7.8	5.0	36.1	10.2
CD	81.6	30.7	24.5	25.6	35.1	31.0	52.8	15.3
CV (%)	106.4	90.9	45.8	42.5	261.8	363.7	85.2	87.7
Significance	S	S	S	S	S	N.S.	S	S

Table 58: Weed management in maize system in Bahraich.

Treat-ments	Grain yield kg/ha	Cobs yield (kg/ha)	Stover yield kg/ha	Plants (000/ha)	Cobs (000/ha)	Net return (Rs./ha)	B:C ratio	System productivity as maize equ. (kg/ha)	Uptake (kg/ha)		
									N	P	K
T ₁	1988	3348	3154	81.7	81.0	9979	1.41	2226	74.9	16.6	38.3
T ₂	4632	6618	5923	82.8	81.6	45539	2.82	5039	113.2	36.0	88.2
T ₃	4390	6271	5434	82.5	81.5	43881	2.78	4778	107.5	35.8	83.6
T ₄	4431	6330	5545	82.5	81.6	43061	2.76	4826	108.6	36.2	72.2
T ₅	4482	6403	5610	82.6	81.8	43845	2.79	4882	109.8	37.4	73.0
T ₆	4164	5948	5274	82.4	81.7	37957	2.47	4540	102.2	34.0	68.8
T ₇	5233	7139	6198	82.5	81.7	53447	3.06	5675	127.6	42.6	83.9
T ₈	4376	6248	5451	82.6	81.6	43450	2.70	4764	107.2	35.7	72.6
T ₉	4448	6354	5481	82.3	81.6	44731	2.65	4839	108.8	36.3	72.3
T ₁₀	4519	6504	5638	82.5	81.5	45446	2.65	4921	110.7	36.9	73.7
Mean	4266.1	6116.0	5370.7	82.4	81.6	41133.4	2.61	4648.8	107.0	34.7	72.7
CD	183.4	467.8	210.7	0.2	0.4	4472.2	0.13	184.8	22.8	2.3	18.2
CV (%)	3.0	5.3	2.7	0.2	0.4	7.5	3.4	2.7	14.7	4.7	17.3
Significance	S	S	S	S	N.S.	S	S	S	S	S	S

Table 59: Weed management in maize systems in Bhubaneswar.

Treatment	Grain yield (kg/ha)	Cob yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha) AH	Days to 50% silking	Days to maturity	100 grain weight (g)	Net return (Rs)/ha	BC ratio
T ₁	4167	5580	15510	61.9	50.0	106.0	22.7	41223	1.40
T ₂	6177	7758	21812	63.3	52.0	109.0	26.1	66652	1.80
T ₃	5533	7301	20302	62.5	51.3	106.0	26.4	63050	2.06
T ₄	6684	8353	23044	64.3	51.0	106.3	28.8	79788	2.51
T ₅	5978	7602	22418	64.1	51.0	108.0	26.4	72923	2.37
T ₆	4477	5771	18974	62.5	52.0	106.0	25.0	43329	1.24
T ₇	5808	7385	20856	63.1	50.0	107.0	26.5	62278	1.75
T ₈	4773	6467	19947	62.2	51.0	108.0	25.7	49690	1.48
T ₉	6295	7880	21185	64.3	51.3	107.0	27.9	73976	2.27
T ₁₀	6553	8334	21612	64.1	50.0	106.0	27.6	74384	2.18
Mean	5644.5	7243.1	20565.9	63.2	51.0	106.9	26.3	62729.3	1.91
CD	520.3	577.0	2638.2	1.4	1.8	2.0	2.1	5734.1	0.17
CV (%)	5.4	4.6	7.5	1.3	2.1	1.1	4.6	5.3	5.2
Significance	S	S	S	S	N.S.	S	S	S	S

Treatment	BLW/m ² at 50 DAS	Grassy weeds /m ² at 50 DAS	Sedges/m ² at 50 DAS	BLW/m ² at Harvest	Grassy weeds/m ² at harvest	Sedges /m ² at Harvest	Weed dry matter (g /m ²) of BLW at harvest	Weed dry matter (g /m ²) of grassy weeds at harvest	Weed dry matter(g/m ²) of sedges at harvest
T ₁	838.7	205.0	32.3	860.0	70.0	7.0	8.9	3.5	0.40
T ₂	3.7	20.0	1.3	89.7	7.0	1.0	2.6	0.2	0.00
T ₃	570.0	118.7	14.0	514.7	23.0	3.0	6.0	1.2	0.33
T ₄	153.3	36.0	7.3	313.3	18.3	2.7	4.6	0.4	0.30
T ₅	23.7	72.0	1.3	160.3	13.7	1.3	3.3	0.5	0.00
T ₆	757.3	122.0	0.0	822.7	40.0	0.0	8.0	2.4	0.00
T ₇	528.0	78.7	0.0	591.3	18.0	0.0	5.6	1.0	0.00
T ₈	742.0	63.3	0.0	738.0	14.3	1.3	8.0	0.8	0.00
T ₉	17.3	46.7	3.7	125.3	14.7	2.3	3.8	0.8	0.07
T ₁₀	460.0	40.0	1.3	440.0	14.0	0.0	5.7	0.4	0.00
Mean	409.4	80.2	6.1	465.5	23.3	1.9	5.7	1.1	0.11
CD	258.8	63.6	13.5	402.3	27.1	4.7	5.1	1.8	0.22
CV (%)	36.9	46.2	128.3	50.4	67.8	146.9	53.0	91.7	115.7
Significance	S	S	S	S	S	N.S.	N.S.	S	S

Table 60: Weed management in maize systems in Chitrakoot.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	100-seed weight (g)	Net returns (Rs. /ha)	B:C ratio	Weed density at 50 DAS (per m ²)	Weed dry weight at 50 DAS (g/m ²)	Weed dry weight at harvest (g/m ²)
T ₁	3549	8642	80.6	80.6	243.4	21.9	48225	2.98	267.4	48.8	20.7
T ₂	4517	9738	84.2	90.4	264.5	24.5	64432	3.42	10.7	2.5	2.0
T ₃	4394	9022	80.6	85.6	247.4	23.2	63066	3.68	45.7	18.8	12.6
T ₄	3962	9016	83.3	89.1	256.2	23.3	55050	3.18	78.6	18.9	18.2
T ₅	4164	9060	79.6	79.6	269.5	23.9	58856	3.34	77.9	27.4	13.7
T ₆	3673	8680	82.4	87.9	241.5	23.2	44311	2.45	79.0	25.5	15.3
T ₇	4001	8984	82.4	87.6	256.3	24.1	50247	2.63	80.0	29.2	12.9
T ₈	3892	9138	79.6	79.6	245.5	23.9	53005	3.02	73.4	18.0	12.3
T ₉	4413	9599	86.1	86.1	254.5	23.2	63550	3.49	77.6	29.0	12.4
T ₁₀	4527	9709	83.3	94.3	256.1	24.3	64721	3.44	72.7	14.8	10.9
Mean	4109.1	9158.8	82.2	86.1	253.5	23.6	56546.5	3.16	86.3	23.3	13.1
CD	616.1	706.9	7.9	14.8	16.6	1.4	11720.7	0.43	109.8	19.0	9.3
CV (%)	8.7	4.5	5.6	10.0	3.8	3.4	12.1	7.9	74.2	47.7	41.2
Significance	S	S	N.S.	N.S.	S	S	S	S	S	S	S

Table 61: Weed management in maize systems in Dholi.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Ear height (cm)
T ₁	4215	6733	5476	83.1	83.1	169.9	73.0
T ₂	5169	5667	6746	82.7	82.4	178.0	85.3
T ₃	5334	4889	7001	82.0	81.6	164.7	69.7
T ₄	4240	3378	5557	80.7	80.7	164.0	73.7
T ₅	4713	4533	6136	82.2	82.0	167.0	72.3
T ₆	4352	8122	5656	82.0	81.6	165.3	65.0
T ₇	4714	6389	6196	82.2	82.2	176.3	89.7
T ₈	4369	6733	5726	81.8	81.3	175.3	83.7
T ₉	4444	5667	5825	80.9	80.7	169.7	76.3
T ₁₀	4928	6389	6390	81.8	81.6	176.3	78.0
Mean	4647.7	5850.0	6070.8	81.9	81.7	170.7	76.7
CD	664.8	2190.8	868.3	1.7	1.7	14.7	13.6
CV (%)	8.3	21.8	8.3	1.2	1.2	5.0	10.3
Significance	S	S	S	N.S.	N.S.	N.S.	S

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Treatments	Days of 50% tasseling	Days of 50% silking	Days of maturity	Cob length (cm)	Cob girth (cm)	Net Return (Rs./ha)	BC ratio
T ₁	56.3	59.3	101.0	17.7	12.7	22336	1.55
T ₂	55.7	58.7	101.7	17.0	14.0	36652	1.90
T ₃	56.3	59.3	100.3	16.3	12.7	39114	1.96
T ₄	56.7	59.3	102.0	16.0	12.3	22706	1.56
T ₅	56.7	60.3	101.7	15.3	15.7	29802	1.73
T ₆	57.3	60.3	102.0	17.7	13.3	24389	1.60
T ₇	56.0	59.7	101.7	17.0	12.7	29817	1.73
T ₈	56.0	60.0	101.0	18.7	14.0	24638	1.60
T ₉	57.3	60.3	100.0	16.0	12.7	25767	1.63
T ₁₀	56.0	58.3	100.7	15.3	11.3	33030	1.81
Mean	56.4	59.6	101.2	16.7	13.1	28825.0	1.70
CD	2.6	2.6	2.4	3.2	2.7	9972.1	0.24
CV (%)	2.7	2.5	1.4	11.3	11.8	20.2	8.3
Significance	N.S.	N.S.	N.S.	N.S.	N.S.	S	S

Table 62: Weed management in maize systems in Kalyani.

Treatments	Grain yield (kg/ha)	Stover Yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha) at 25 DAS	Plants at harvest ('000/ha)	Cobs ('000/ha)	Net returns (Rs. /ha)	B:C ratio
T ₁	6384	8245	7215	79.2	78.3	76.4	49483	1.98
T ₂	12916	14966	13711	82.8	81.0	80.3	147836	3.95
T ₃	9566	11506	10200	81.0	80.1	79.4	96615	2.90
T ₄	8341	10554	9236	81.5	80.0	79.4	77845	2.50
T ₅	9511	11444	10288	82.2	80.7	79.9	95585	2.87
T ₆	8899	10763	9704	80.0	78.8	77.8	87113	2.74
T ₇	9658	11537	10703	81.3	80.2	79.2	97777	2.92
T ₈	9228	10765	10472	80.7	80.0	78.8	91045	2.80
T ₉	9953	11847	10769	82.3	81.7	81.2	101903	2.98
T ₁₀	11300	13504	12422	82.7	81.4	80.3	122743	3.40
Mean	9575.6	11513.1	10472.2	81.4	80.2	79.3	96794.5	2.90
CD	1311.1	1401.0	1282.6	1.6	1.6	2.0	19753.6	0.39
CV (%)	8.0	7.1	7.1	1.1	1.2	1.5	11.9	7.8
Significance	S	S	S	S	S	S	S	S

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Treatments	Grassy weeds m ² at 50 DAS	Grassy, weeds m ² at harvest	Broad leaves weeds m ² at 50 DAS	Broad leaves weeds m ² at harvest	Sedges, if any at harvest	Grassy weeds g/m ² at 50 DAS	Grassy weeds g/m ² at harvest	Broad leaves weeds g/m ² at 50 DAS	Broad leaves weeds g/m ² at harvest	Sedges g/m ² at harvest
T ₁	28.6	33.1	17.2	20.5	12.4	12.7	16.7	18.7	25.5	5.7
T ₂	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
T ₃	13.4	16.5	16.5	20.0	8.1	7.1	7.8	16.5	22.5	5.3
T ₄	12.7	15.2	16.6	19.5	8.2	6.3	7.6	16.7	20.7	3.8
T ₅	13.4	16.6	11.3	10.2	8.0	6.5	8.2	11.5	12.6	5.1
T ₆	15.8	19.8	15.5	17.4	7.4	7.9	9.8	16.2	20.3	3.8
T ₇	13.6	16.4	11.5	13.0	7.3	6.7	8.1	12.3	15.8	3.3
T ₈	14.0	12.8	11.3	9.5	8.2	6.9	6.4	11.2	11.8	4.4
T ₉	11.6	10.2	10.4	7.7	7.5	6.1	4.9	11.1	10.9	3.7
T ₁₀	9.8	8.2	8.4	5.2	5.6	4.9	3.9	8.8	7.1	2.6
Mean	13.4	14.9	11.9	12.4	7.3	6.6	7.4	12.4	14.8	3.8
CD	1.7	2.0	1.7	2.0	1.5	1.2	1.0	2.2	3.4	0.7
CV (%)	7.6	7.7	8.1	9.4	11.8	10.4	8.0	10.3	13.6	10.9
Significance	S	S	S	S	S	S	S	S	S	S

Table 63: Weed management in maize -chickpea system in Dharwad.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
T ₁	5003	30616	76.5	75.1	200.9	50.7	55.3	21.3	40037	2.60
T ₂	7685	38070	79.2	76.3	224.4	51.7	55.0	31.1	69908	3.33
T ₃	7006	8327	78.3	74.9	212.8	51.0	55.7	30.1	64584	3.44
T ₄	6821	33878	78.7	77.2	211.1	51.0	55.3	23.4	62173	3.35
T ₅	7528	36738	78.6	76.9	220.2	50.7	56.3	28.3	71368	3.69
T ₆	6341	32472	75.9	73.1	207.4	50.7	55.0	24.3	56429	3.17
T ₇	6935	34840	78.8	75.2	214.8	50.3	55.7	25.3	62656	3.28
T ₈	6438	34776	75.6	73.0	209.1	51.7	56.0	25.8	59596	3.25
T ₉	7040	36038	79.3	77.4	221.0	51.0	55.3	29.4	65019	3.45
T ₁₀	7293	36305	79.0	76.9	217.8	50.3	55.3	26.4	67306	3.45
Mean	6809.1	32206.0	78.0	75.6	214.0	50.9	55.5	26.6	61907.6	3.30
CD	765.9	25032.9	2.9	2.8	7.6	1.8	1.2	3.4	9711.4	0.37
CV (%)	6.6	45.3	2.2	2.2	2.1	2.1	1.3	7.4	9.1	6.5
Significance	S	N.S.	N.S.	S	S	N.S.	N.S.	S	S	S

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Treatment	Shelling (%)	Phototoxic rating	Grassy weeds/ m ² at 50 DAS	Grassy, weeds/ m ² at harvest	Broad leaves weeds /m ² at 50 DAS	Broad leaves weeds/ m ² at harvest	Sedges/ m ² at harvest	Grassy weeds g/ m ² at harvest	Broad leaves weeds g/ m ² at harvest	Sedges g/ m ² at harvest
T ₁	73.9	0.33	38.6	42.5	43.0	52.7	19.1	19.2	22.9	7.1
T ₂	78.1	0.00	3.2	10.0	2.9	4.9	0.3	1.9	1.3	1.2
T ₃	75.2	0.00	17.9	21.5	15.0	25.3	8.1	5.2	8.1	4.0
T ₄	75.2	0.00	19.5	22.2	16.2	23.7	8.2	7.1	8.3	4.9
T ₅	77.5	0.00	11.9	16.7	5.9	13.8	3.9	4.6	3.2	2.3
T ₆	74.0	0.67	21.7	23.7	6.5	18.2	7.3	9.5	4.0	5.0
T ₇	77.0	0.67	13.1	17.7	5.2	14.8	5.2	5.8	3.4	2.8
T ₈	73.9	0.33	17.6	19.0	5.8	17.4	6.3	9.6	4.0	4.9
T ₉	77.8	0.33	10.3	13.7	4.6	12.3	2.5	4.1	2.6	1.7
T ₁₀	77.2	0.00	12.4	16.5	4.8	14.3	4.6	4.5	3.6	2.6
Mean	76.0	0.23	16.6	20.4	11.0	19.7	6.6	7.2	6.1	3.7
CD	2.6	0.71	4.9	2.9	8.1	4.3	3.9	2.1	2.4	1.3
CV (%)	2.0	176.9	17.2	8.4	42.8	12.8	34.4	17.1	22.8	21.1
Significance	S	N.S.	S	S	S	S	S	S	S	S

Table 64: Weed management in maize in Hyderabad.

Treatments	Grain yield (kg/ha)	Straw yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant Height (cm)	Net Returns (Rs./ha)	B:C Ratio	Weed dry matter (g/m ²)		
								25 DAS	50 DAS	At harvest
T ₁	4288	5198	71.1	68.3	171.7	21102	1.47	34.6	39.9	35.9
T ₂	7704	8210	81.4	79.6	226.0	65587	2.25	7.7	9.1	7.0
T ₃	5673	6562	79.4	77.2	205.0	33237	1.61	15.0	22.8	22.3
T ₄	6140	6487	80.7	78.7	221.3	47402	2.02	12.0	15.7	17.1
T ₅	6197	6640	78.4	76.1	202.7	48897	2.06	21.3	17.8	16.4
T ₆	6518	6863	78.5	76.4	198.7	49920	2.00	26.0	18.3	16.5
T ₇	7177	7783	80.1	79.3	209.3	59021	2.16	14.3	12.3	11.0
T ₈	6370	7143	79.7	77.9	208.7	48711	1.99	23.0	17.0	15.0
T ₉	7027	7441	81.2	79.5	223.3	60392	2.28	14.1	14.0	11.9
T ₁₀	7462	8187	81.8	80.3	228.3	64110	2.27	11.1	8.8	8.2
Mean	6455.6	7051.5	79.2	77.3	209.5	49837.8	2.01	17.9	17.6	16.1
CD	532.7	507.1	2.0	2.0	10.8	7810.9	0.16	4.5	3.1	3.7
CV (%)	4.8	4.2	1.5	1.5	3.0	9.1	4.7	14.7	10.4	13.4
Significance	S	S	S	S	S	S	S	S	S	S

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Treatments	Weed count								
	25 DAS			50 DAS			At harvest		
	Grasses	BLW	Sedges	Grasses	BLW	Sedges	Grasses	BLW	Sedges
T ₁	60.7	107.3	25.3	52.0	95.3	22.0	62.3	104.7	26.7
T ₂	4.0	8.0	4.0	3.7	3.3	2.0	6.0	8.7	2.0
T ₃	40.0	16.7	16.0	31.0	22.7	16.0	36.0	24.0	18.0
T ₄	15.7	13.3	8.7	25.3	15.3	11.3	31.3	15.3	14.7
T ₅	24.7	9.7	17.3	17.3	8.7	13.3	20.7	12.0	18.7
T ₆	14.0	19.0	15.3	14.7	17.7	10.7	16.7	24.0	13.3
T ₇	13.3	12.0	13.3	15.3	11.7	8.3	17.3	13.3	12.0
T ₈	14.3	12.7	14.7	12.0	6.7	13.7	14.7	7.0	14.7
T ₉	14.0	9.7	4.7	20.0	5.0	12.0	24.7	8.7	11.3
T ₁₀	12.0	10.7	12.7	11.3	9.7	8.0	16.7	14.0	16.0
Mean	21.3	21.9	13.2	20.3	19.6	11.7	24.6	23.2	14.7
CD	3.5	3.4	2.6	5.4	4.9	3.5	5.2	4.5	3.3
CV (%)	9.6	9.0	11.7	15.6	14.6	17.4	12.4	11.4	13.2
Significance	S	S	S	S	S	S	S	S	S

Table 65: Weed management in maize systems in Karimnagar.

Treatments	Grain yield (kg/ha)	Cob yield (kg/ha)	Cobs ('000/ha)	Plant height (cm)	Cob length (cm)	Cob girth (cm)	Grain rows /cob	Grains/ row	100 grain weight (g)	Net returns (Rs./ha)	B:C ratio
T ₁	5531	7318	65.6	186.3	14.4	13.8	13.8	28.5	31.0	23761	1.43
T ₂	7214	9410	72.4	205.7	15.8	14.8	15.1	32.2	38.7	42897	1.72
T ₃	6398	8416	69.8	199.0	14.8	14.1	14.5	30.1	34.7	34638	1.61
T ₄	7171	9376	71.1	200.0	15.8	14.9	14.9	31.4	37.8	43942	1.75
T ₅	6247	8435	66.9	194.3	15.6	14.0	14.3	29.5	36.3	32167	1.57
T ₆	5837	7740	65.8	188.0	14.5	13.8	14.0	29.0	33.3	23970	1.40
T ₇	6323	8093	61.6	184.0	15.0	14.1	13.9	30.1	33.3	29418	1.48
T ₈	6711	9293	82.0	194.3	15.6	14.5	14.6	31.7	37.3	36344	1.61
T ₉	6822	8780	61.3	184.3	15.7	14.9	14.8	31.0	35.0	37023	1.62
T ₁₀	7262	9329	72.2	201.7	15.8	14.6	15.0	32.4	37.3	42674	1.70
Mean	6551.6	8618.9	68.9	193.8	15.3	14.4	14.5	30.6	35.5	34683.6	1.59
CD	829.4	760.4	17.9	12.8	1.0	0.8	0.9	3.8	4.7	11818.3	0.20
CV (%)	7.4	5.1	15.2	3.9	3.7	3.2	3.6	7.3	7.7	19.9	7.4
Significance	S	S	N.S.	S	S	S	S	N.S.	N.S.	S	S

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Treatments	Weed density (m ²)			Total Weed Density	Weed Dry matter	Weed density (m ²)			Total Weed Density (m ²)	Weed Dry matter (m ²)
	Grasses	Sedges	Broadleaved			Grasses	Sedges	Broadleaved		
	30 DAS					45 DAS				
T ₁	0.0	17.3	9.3	26.7	95.4	6.0	21.3	10.7	38.0	70.7
T ₂	0.0	0.7	1.3	2.0	1.5	0.0	0.0	1.3	1.3	0.0
T ₃	0.0	14.0	8.0	16.0	16.2	1.3	6.7	2.0	10.0	25.0
T ₄	0.0	16.7	7.3	22.0	22.0	0.0	17.3	2.7	18.7	27.4
T ₅	0.0	20.7	2.7	23.3	23.0	0.7	21.3	0.7	22.7	28.0
T ₆	2.7	14.0	6.0	22.7	27.8	0.7	0.0	4.0	4.7	11.0
T ₇	0.7	16.7	2.7	20.0	17.3	1.3	10.7	3.3	15.3	13.6
T ₈	0.7	14.7	4.7	20.0	27.9	4.7	18.7	2.0	25.3	30.3
T ₉	0.0	27.3	0.7	28.0	17.3	0.0	16.7	0.7	17.3	16.4
T ₁₀	0.0	32.0	0.0	32.0	28.0	0.0	25.3	0.0	25.3	20.7

Mean	0.4	17.4	4.3	21.3	27.6	1.5	13.8	2.7	17.9	24.3
CD	1.8	15.8	5.0	16.6	20.0	5.1	16.0	3.8	13.6	18.8
CV (%)	268.7	53.0	68.3	45.6	42.2	201.4	67.4	81.1	44.5	45.0
Significance	N.S.	S	S	N.S.	S	N.S.	S	S	S	S

Treatments	Weed density (m ²)			Total Weed Density	Weed Dry matter
	Grasses	Sedges	Broadleaved		
	60 DAS				
T ₁	16.0	19.3	5.3	40.7	46.0
T ₂	0.0	0.0	0.0	0.0	0.0
T ₃	0.7	9.3	4.0	16.7	21.1
T ₄	0.7	13.3	3.3	16.0	13.0
T ₅	0.7	18.0	1.3	20.0	12.8
T ₆	1.3	8.7	3.3	13.3	21.6
T ₇	5.3	6.0	2.0	13.3	23.9
T ₈	1.3	13.3	2.0	16.7	20.2
T ₉	0.0	28.7	0.0	28.7	19.0
T ₁₀	0.0	19.3	0.7	20.0	16.9

Mean	2.6	13.6	2.2	18.5	19.5
CD	3.2	9.5	3.5	9.5	14.6
CV (%)	71.6	40.9	92.7	30.0	43.7
Significance	S	S	N.S.	S	S

Table 66: Weed management in maize systems in Vagarai.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Cob length (cm)	Cob girth (cm)	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
T ₁	8383	12444	10580	65.3	55.8	240.1	16.3	4.6	43.3	62094	1.98
T ₂	9122	12407	11588	68.2	60.0	230.6	16.5	4.7	44.0	64171	1.88
T ₃	9135	12535	11766	72.9	64.9	231.7	15.6	4.7	46.0	80724	2.43
T ₄	11020	13064	13738	70.9	66.7	238.2	16.6	4.7	45.3	108857	2.93
T ₅	9302	12464	11646	72.0	62.7	229.3	16.4	4.8	46.7	83397	2.49
T ₆	9685	13885	12197	73.6	63.8	236.8	16.1	4.7	36.7	86282	2.46
T ₇	10484	11798	12936	72.9	66.4	230.9	16.6	4.7	41.3	96639	2.59
T ₈	9861	11604	11956	67.6	62.7	230.4	16.6	4.7	42.7	91563	2.62
T ₉	9999	11210	12522	69.8	65.3	232.8	16.5	4.7	39.3	93764	2.67
T ₁₀	11059	12441	13808	68.7	66.7	236.4	16.3	4.7	42.0	106529	2.79
Mean	9805.0	12385.2	12273.8	70.2	63.5	233.7	16.4	4.7	42.7	87402.0	2.49
CD	1683.8	2566.7	2148.7	5.8	7.1	17.0	1.2	0.2	9.1	25256.6	0.43
CV (%)	10.0	12.1	10.2	4.8	6.6	4.2	4.2	2.9	12.5	16.8	10.1
Significance	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	S	S

Treatments	Grassy weeds m ₂ at 50 DAS	Grassy, weeds m ₂ at harvest	Broad leaves weeds m ₂ at 50 DAS	Broad leaves weeds m ₂ at harvest	Grassy weeds g/m ₂ at 50 DAS	Grassy weeds g/m ₂ at harvest	Broad leaves weeds g/m ₂ at 50 DAS	Broad leaves weeds g/m ₂ at harvest
T ₁	2.3	7.3	64.0	54.3	8.7	13.0	170.3	192.0
T ₂	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T ₃	12.3	4.3	26.7	35.3	49.0	7.7	130.7	151.0
T ₄	4.3	4.0	30.3	25.0	5.7	9.7	93.3	110.0
T ₅	12.7	18.0	28.3	10.7	11.3	37.0	78.7	30.3
T ₆	3.7	5.7	73.0	69.7	5.3	15.3	140.7	174.7
T ₇	16.0	23.0	48.0	25.0	30.7	64.3	89.7	110.3
T ₈	0.7	7.3	54.3	31.7	1.3	26.7	102.0	121.7
T ₉	3.0	4.0	18.0	8.0	11.3	21.0	70.0	44.0
T ₁₀	15.3	5.7	21.7	7.3	13.0	23.3	37.0	33.3
Mean	7.0	7.9	36.4	26.7	13.6	21.8	91.2	96.7
CD	17.8	7.2	38.4	15.8	21.6	21.1	80.0	60.3
CV (%)	147.9	53.0	61.4	34.4	92.2	56.3	51.1	36.3
Significance	N.S.	S	S	S	S	S	S	S

Table 69: Weed management in maize systems in Chhindwara.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking
T ₁	4327	7568	49.6	44.1	234.7	62.7	64.3
T ₂	7807	10812	62.2	62.2	255.7	62.0	62.0
T ₃	7634	9854	60.7	58.1	251.0	62.3	63.3
T ₄	7233	10304	61.1	58.9	254.7	62.7	64.0
T ₅	6647	9153	58.5	57.4	246.7	62.3	63.3
T ₆	6085	9021	56.3	53.0	244.7	62.7	63.7
T ₇	6624	8280	53.7	57.4	249.0	62.0	63.0
T ₈	6498	8010	56.7	55.2	245.3	63.0	63.3
T ₉	7313	9768	58.5	58.9	255.3	62.7	63.3
T ₁₀	7221	9568	58.1	53.3	248.7	61.7	62.0
Mean	6738.9	9233.9	57.5	55.8	248.6	62.4	63.2
CD	1233.5	906.0	9.2	5.8	13.2	1.0	1.6
CV (%)	10.7	5.7	9.3	6.1	3.1	1.0	1.5
Significance	S	S	N.S.	S	N.S.	N.S.	N.S.

Treatments	Net returns (Rs./ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T ₁	30587	1.73	5.3	12.8	15.3	13.3	29.3
T ₂	67459	2.98	1.7	15.7	16.4	16.0	39.7
T ₃	68360	3.77	4.6	15.2	16.2	15.3	39.0
T ₄	69433	3.80	2.6	14.7	15.8	15.3	38.3
T ₅	55449	3.04	2.9	14.1	15.7	15.0	36.3
T ₆	41744	2.12	4.8	13.6	15.3	14.0	32.7
T ₇	53900	2.67	5.1	13.7	15.6	14.7	36.0
T ₈	52693	2.41	4.6	13.8	15.6	14.7	35.7
T ₉	66386	3.57	4.7	15.0	16.2	15.3	38.3
T ₁₀	56988	2.56	4.5	14.4	16.0	15.3	37.7
Mean	56299.8	2.87	4.1	14.3	15.8	14.9	36.3
CD	11246.5	0.58	1.6	3.8	1.2	2.0	9.1
CV (%)	11.6	11.8	22.2	15.5	4.5	7.9	14.6
Significance	S	S	S	N.S.	N.S.	N.S.	N.S.

Table 70: Weed management in maize systems in Udaipur.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Shelling (%)	Grassy weed density/m ²	Broad leaf weed density/m ²	Sedges density/m ²	Total weed density/m ²
							At 50 DAS			
T ₁	1630	2247	46.7	51.1	150.2	58.3	150.7	54.7	10.0	215.3
T ₂	5020	7770	61.3	67.6	245.1	85.1	8.0	3.3	7.0	18.3
T ₃	4017	6040	58.7	65.1	240.2	78.2	13.0	35.0	13.0	61.0
T ₄	4517	6778	61.6	68.2	240.1	80.3	16.0	8.0	11.0	35.0
T ₅	4020	6000	58.7	65.1	240.3	78.2	17.3	45.3	12.0	74.7
T ₆	3887	5850	56.9	63.1	238.8	77.4	135.3	24.0	6.0	165.3
T ₇	4213	6353	59.6	65.6	239.6	78.9	6.0	18.7	8.0	32.7
T ₈	3917	5880	57.3	63.2	237.9	78.3	125.3	40.0	8.0	173.3
T ₉	4017	6010	58.7	64.6	237.2	78.3	127.0	40.3	9.3	176.7
T ₁₀	4223	6320	59.6	65.8	238.5	79.3	6.0	44.0	11.0	61.0
Mean	3946.0	5924.9	57.9	63.9	230.8	77.2	60.5	31.3	9.5	101.3
CD	649.2	959.6	6.0	8.1	25.9	10.1	15.1	7.0	2.1	17.3
CV (%)	9.6	9.4	6.1	7.4	6.5	7.6	14.5	13.0	12.9	9.9
Significance	S	S	S	S	S	S	S	S	S	S

Treatment	Grassy weed density/m ²	Broad leaf weed density/m ²	Sedges density/m ²	Total weed density/m ²	Grassy	Broad leaf weeds	Sedges	Total weeds
	At harvest				Dry matter of weed g /m ² at harvest			
T ₁	145.0	52.0	12.0	209.0	44.0	15.5	1.9	61.5
T ₂	6.0	2.3	9.0	17.3	1.8	1.1	1.4	4.3
T ₃	10.0	28.0	14.0	52.0	3.3	8.7	2.1	14.1
T ₄	15.0	6.0	13.0	34.0	4.7	2.0	2.0	8.7
T ₅	15.0	34.0	13.3	62.3	4.6	10.1	2.0	16.7
T ₆	125.3	14.3	7.3	147.0	38.0	4.5	1.2	43.7
T ₇	5.0	16.0	8.0	29.0	1.6	4.8	1.3	7.6
T ₈	120.0	40.0	8.0	168.0	37.5	12.3	1.3	51.0
T ₉	120.7	29.0	9.0	158.7	36.3	9.1	1.4	46.7
T ₁₀	4.0	31.3	12.0	47.3	1.7	10.2	1.9	13.8
Mean	56.6	25.3	10.6	92.5	17.4	7.8	1.6	26.8
CD	11.9	6.1	2.0	11.6	3.1	1.4	0.3	2.6
CV (%)	12.2	14.1	11.2	7.3	10.3	10.8	11.0	5.7
Significance	S	S	S	S	S	S	S	S

Treatment details:

- T₁ Control (weedy check)
T₂ Weed free
T₃ Atrazine @ 1.5* kg a.i./ha preemergence
T₄ Atrazine (750 g a.i./ha) + Pendemathalin (750 ml a.i./ha) preemergence
T₅ Atrazine (1.5 kg a.i./ha) fb 2,4-D Amine 0.4 kg a.i./ha at 25 DAS as PoE
T₆ Halosulfuron 90 g/ha at 25 DAS
T₇ Atrazine @ 1.5 kg a.i./ha preemergence fb Halosulfuron 90 g/ha 25 DAS
T₈ Tembotrione (Laudis) 120 ml a.i./ha PoE at 25 DAS
T₉ Pendemathalin (1000 ml/ha) preemergence fb Atrazine (750 g a.i./ha) + 2,4-D Amine 0.4 kg a.i./ha at 25 DAS as PoE
T₁₀ Atrazine @ 1.5 kg/ha pre-emergence fb Tembotrione (Laudis) 120 ml a.i./ha PoE at 25 DAS

Table 71: Enhancing water - use efficiency in rainfed maize in Imphal.

Tillage practices	Hydrogel (kg/ha)	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	100-seed weight (g)
Conventional till	Control	7555	9089	53.4	52.3	224.7	33.8
	Hydrogel 2.5	6417	10889	52.9	51.8	229.5	30.5
	Hydrogel 5.0	4163	9155	37.4	36.6	200.1	30.5
Conventional till + mulching	Control	5208	10320	46.9	45.9	216.7	31.5
	Hydrogel 2.5	6082	11724	46.9	46.0	226.3	32.2
	Hydrogel 5.0	6112	9748	56.3	55.2	230.8	31.5
Zero tillage	Control	8111	12402	54.8	53.7	242.3	34.6
	Hydrogel 2.5	8974	10142	59.2	58.0	252.5	34.0
	Hydrogel 5.0	8412	13091	61.7	60.9	250.3	32.4
Zero tillage + residue	Control	8301	13511	55.9	54.7	252.6	33.2
	Hydrogel 2.5	8020	10194	57.1	55.6	251.3	32.6
	Hydrogel 5.0	6925	12941	49.2	47.9	257.5	32.6
Location mean		7023.5	11100.6	52.6	51.5	236.2	32.5
C.D.(5%) AiBj-AiBk		1820.8	4123.4	12.9	12.4	23.9	6.9
C.D.(5%) AiBk-AjBk		2221.1	3832.2	13.7	13.3	32.6	6.3
F(5%)		N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
Conventional till		6045	9711	47.9	46.9	218.1	31.6
Conventional till+ Mulch		5801	10598	50.0	49.0	224.6	31.7
Zero tillage		8499	11878	58.6	57.5	248.4	33.7
Zero tillage+ residue		7749	12215	54.1	52.7	253.8	32.8
C.D. (5%) Ai-Aj		1657.8	1844.1	8.9	8.7	26.2	2.7
C.V. (%) Error A		20.5	14.4	14.6	14.6	9.6	7.3
F (5%)		S	N.S.	N.S.	N.S.	S	N.S.
Control		7294	11331	52.8	51.6	234.1	33.3
Hydrogel 2.5 (kg/ha)		7373	10737	54.0	52.8	239.9	32.3
Hydrogel 5.0 (kg/ha)		6403	11234	51.2	50.2	234.7	31.8
C.D. (5%) Bi-Bj		910.4	2061.7	6.4	6.2	11.9	3.5
C.V. (%) ErrorB		15.0	21.5	14.1	13.9	5.8	12.3
F (5%)		N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

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Tillage practices	Hydrogel (kg/ha)	Days 50% tasseling	Days 50% silking	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
Conventional till	Control	55.0	57.3	19.2	14.5	14.1	34.9
	Hydrogel 2.5	54.7	57.0	17.3	13.8	13.7	33.4
	Hydrogel 5.0	55.0	57.7	17.0	13.5	13.9	28.9
Conventional till + mulching	Control	54.0	56.3	17.3	13.9	13.6	31.5
	Hydrogel 2.5	52.0	54.7	19.2	14.4	13.9	35.5
	Hydrogel 5.0	54.7	57.0	16.7	14.1	13.9	30.1
Zero tillage	Control	50.7	53.0	19.7	14.7	14.3	35.2
	Hydrogel 2.5	50.7	53.3	19.1	14.3	14.2	35.6
	Hydrogel 5.0	51.0	53.3	18.6	14.5	15.1	32.1
Zero tillage + residue	Control	49.7	52.3	19.7	14.5	14.0	38.0
	Hydrogel 2.5	49.7	52.0	20.3	14.7	14.1	36.3
	Hydrogel 5.0	51.0	53.3	19.6	14.4	14.5	35.7

Location mean	52.3	54.8	18.6	14.3	14.1	33.9
C.D.(5%) AiBj-AiBk	2.8	3.2	2.4	0.8	1.5	4.7
C.D.(5%) AiBk-AjBk	3.6	3.7	2.8	0.8	1.4	6.6
F(5%)	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

Conventional till	54.9	57.3	17.8	13.9	13.9	32.4
Conventional till+ Mulch	53.6	56.0	17.8	14.1	13.8	32.4
Zero tillage	50.8	53.2	19.1	14.5	14.5	34.3
Zero tillage+ residue	50.1	52.6	19.8	14.6	14.2	36.7

C.D. (5%) Ai-Aj	2.8	2.7	1.9	0.4	0.6	5.3
C.V. (%) Error A	4.6	4.3	9.0	2.6	3.6	13.7
F (5%)	S	S	N.S.	S	N.S.	N.S.

Control	52.3	54.8	19.0	14.4	14.0	34.9
Hydrogel 2.5 (kg/ha)	51.8	54.3	19.0	14.3	14.0	35.2
Hydrogel 5.0 (kg/ha)	52.9	55.3	18.0	14.1	14.3	31.7

C.D. (5%) Bi-Bj	1.4	1.6	1.2	0.4	0.8	2.4
C.V. (%) ErrorB	3.1	3.3	7.5	3.3	6.2	8.0
F (5%)	N.S.	N.S.	N.S.	N.S.	N.S.	S

Table 72: Enhancing water-use efficiency in rainfed maize in Srinagar.

Tillage practices	Hydrogel (kg/ha)	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)
Conventional till	Control	7041	14209	82.8	86.2	222.3	73.3	78.0	24.5
	Hydrogel 2.5	7023	14318	82.7	87.4	218.7	77.3	81.3	24.2
	Hydrogel 5.0	7290	14218	82.8	87.5	220.0	76.0	80.7	24.7
Conventional till + mulch (4 t/ha)	Control	7179	14404	82.6	89.2	222.0	78.7	83.0	24.5
	Hydrogel 2.5	7235	14218	82.5	91.2	216.0	78.0	82.3	24.1
	Hydrogel 5.0	7389	14488	82.8	92.3	221.3	77.7	81.7	24.2
Zero tillage	Control	7140	14121	82.8	94.2	221.7	74.7	78.7	24.0
	Hydrogel 2.5	7235	14306	82.5	94.3	224.7	76.3	80.3	23.7
	Hydrogel 5.0	7309	14414	82.8	94.4	222.7	75.0	79.7	24.2
Zero tillage + mulch (4 t/ha)	Control	7638	14413	83.2	95.7	218.0	78.7	83.0	23.8
	Hydrogel 2.5	7636	14466	82.7	97.3	218.7	76.7	82.7	24.5
	Hydrogel 5.0	7852	14691	83.3	97.4	218.0	78.7	83.7	24.1
Location mean		7330.7	14355.4	82.8	92.3	220.3	76.8	81.3	24.2
C.D.(5%) AiBj-AiBk		263.2	569.8	0.9	2.6	11.7	2.5	2.6	1.4
C.D.(5%) AiBk-AjBk		254.5	492.8	0.9	2.3	13.4	2.9	3.5	1.3
F(5%)		N.S.	N.S.	N.S.	N.S.	N.S.	S	N.S.	N.S.
Conventional till		7118	14248	82.8	87.0	220.3	75.6	80.0	24.5
Conventional till + mulch (4 t/ha)		7268	14370	82.6	90.9	219.8	78.1	82.3	24.3
Zero tillage		7228	14280	82.7	94.3	223.0	75.3	79.6	24.0
Zero tillage + mulch (4 t/ha)		7709	14523	83.1	96.8	218.2	78.0	83.1	24.1
C.D. (5%) Ai-Aj		137.4	163.8	0.5	1.0	9.4	2.1	2.8	0.6
C.V. (%) Error A		1.6	1.0	0.6	0.9	3.7	2.4	2.9	2.0
F (5%)		S	S	N.S.	S	N.S.	S	S	N.S.
Control		7250	14287	82.8	91.3	221.0	76.3	80.7	24.2
Hydrogel 2.5 (kg/ha)		7282	14327	82.6	92.5	219.5	77.1	81.7	24.1
Hydrogel 5.0 (kg/ha)		7460	14453	82.9	92.9	220.5	76.8	81.4	24.3
C.D. (5%) Bi-Bj		131.6	284.9	0.5	1.3	5.8	1.3	1.3	0.7
C.V. (%) ErrorB		2.1	2.3	0.7	1.6	3.1	1.9	1.8	3.3
F (5%)		S	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

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Tillage practices	Hydrogel (kg/ha)	Net returns (Rs. /ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
Conventional till	Control	77807	1.58	13.7	19.0	11.6	13.2	34.0
	Hydrogel 2.5	81825	1.71	13.6	18.2	11.1	11.4	36.9
	Hydrogel 5.0	83302	1.74	13.9	17.3	10.7	12.1	41.8
Conventional till + mulch (4 t/ha)	Control	87946	1.82	12.9	16.1	11.4	12.0	40.1
	Hydrogel 2.5	89095	1.86	13.4	20.4	11.1	10.8	37.8
	Hydrogel 5.0	90850	1.89	13.1	17.6	10.6	13.2	43.2
Zero tillage	Control	99295	1.94	11.7	18.1	11.4	10.7	43.7
	Hydrogel 2.5	103616	2.13	12.0	18.8	11.6	13.0	44.9
	Hydrogel 5.0	110594	2.37	11.9	19.8	11.0	12.6	45.3
Zero tillage + mulch (4 t/ha)	Control	114135	2.46	12.6	18.0	11.9	13.6	40.3
	Hydrogel 2.5	117362	2.57	12.5	20.5	12.2	13.5	40.8
	Hydrogel 5.0	121602	2.63	12.3	21.0	12.5	14.4	45.0

Location mean	98119.3	2.06	12.8	18.7	11.4	12.5	41.2
C.D.(5%) AiBj-AiBk	6149.7	0.13	2.5	2.9	1.7	2.1	3.2
C.D.(5%) AiBk-AjBk	5255.9	0.12	2.1	2.6	1.6	1.9	3.0
F(5%)	N.S.	S	N.S.	N.S.	N.S.	N.S.	N.S.

Conventional till	80978	1.68	13.7	18.1	11.1	12.2	37.6
Conventional till + mulch (4 t/ha)	89297	1.86	13.1	18.0	11.0	12.0	40.4
Zero tillage	104502	2.15	11.9	18.9	11.4	12.1	44.7
Zero tillage + mulch (4 t/ha)	117700	2.55	12.5	19.9	12.2	13.8	42.1

C.D. (5%) Ai-Aj	1566.3	0.05	0.5	1.2	0.9	0.8	1.5
C.V. (%) Error A	1.4	2.2	3.7	5.4	6.8	5.8	3.1
F (5%)	S	S	S	S	N.S.	S	S

Control	94796	1.95	12.8	17.8	11.6	12.4	39.5
Hydrogel 2.5 (kg/ha)	97975	2.07	12.9	19.5	11.5	12.2	40.1
Hydrogel 5.0 (kg/ha)	101587	2.16	12.8	18.9	11.2	13.1	43.8

C.D. (5%) Bi-Bj	3074.8	0.07	1.2	1.4	0.8	1.1	1.6
C.V. (%) ErrorB	3.6	3.8	11.2	8.8	8.5	9.7	4.5
F (5%)	S	S	N.S.	N.S.	N.S.	N.S.	S

Table 73: Enhancing water- use efficiency in rainfed maize in Bhubaneswar.

Tillage practices	Hydrogel (kg/ha)	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Plant height (cm)	Days to 50% silking	Days to maturity	1000 grain weight (g)	Net return (Rs./ha)	BC ratio
Conventional till	Control	4112	10352	5615	62.8	148.4	54.0	114.0	238.7	34833	1.16
	Hydrogel 2.5	4244	11197	6149	64.1	150.5	54.0	113.7	243.0	34924	1.07
	Hydrogel 5.0	4414	11423	6322	63.9	151.1	54.3	113.0	244.3	34914	1.00
Conventional till + mulch	Control	4287	11956	5386	64.2	149.2	55.0	114.3	239.7	37759	1.22
	Hydrogel 2.5	4734	12762	5512	63.1	151.5	54.3	113.7	246.0	41989	1.25
	Hydrogel 5.0	4888	13148	5709	62.6	152.9	56.0	113.0	247.7	41908	1.16
Zero tillage	Control	2127	6690	2787	62.5	137.4	57.7	116.3	219.0	9873	0.39
	Hydrogel 2.5	2282	7179	2962	62.8	139.7	57.7	115.3	220.3	9911	0.36
	Hydrogel 5.0	2462	7673	3329	64.5	140.7	57.7	116.3	221.7	10288	0.34
Zero tillage + residue (4 t/ha)	Control	2694	7804	3529	62.5	139.6	57.3	115.3	220.7	17499	0.67
	Hydrogel 2.5	2874	8346	3732	64.4	141.3	57.0	115.3	222.3	17928	0.63
	Hydrogel 5.0	2996	8349	3875	62.1	142.4	56.0	116.0	223.7	17052	0.55
Location mean		3509.4	9739.9	4575.7	63.3	145.4	55.9	114.7	232.3	25740.0	0.82
C.D.(5%) AiBj-AiBk		131.8	143.6	981.2	2.2	3.4	1.7	1.5	12.8	2304.7	0.08
C.D.(5%) AiBk-AjBk		187.1	269.3	918.5	2.3	3.2	1.6	1.6	12.6	2911.1	0.10
F(5%)		S	N.S.	S	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
Conventional till		4257	6029	10991	63.6	150.0	54.1	113.6	242.0	34891	1.08
Conventional till + mulch		4636	5536	12622	63.3	151.2	55.1	113.7	244.4	40552	1.21
Zero tillage		2290	3026	7181	63.3	139.3	57.7	116.0	220.3	10024	0.37
Zero tillage + residue (4 t/ha)		2855	3712	8166	63.0	141.1	56.8	115.6	222.2	17493	0.62
C.D. (5%) Ai-Aj		153.7	452.5	243.0	1.5	1.6	0.8	1.0	7.1	2230.8	0.07
C.V. (%) Error A		3.8	4.0	4.6	2.0	1.0	1.2	0.8	2.6	7.5	7.7
F (5%)		S	S	S	N.S.	S	S	S	S	S	S
Control		3305	4329	9200	63.0	143.6	56.0	115.0	229.5	24991	0.86
Hydrogel 2.5 (kg/ha)		3533	4589	9871	63.6	145.7	55.8	114.5	232.9	26188	0.83
Hydrogel 5.0 (kg/ha)		3690	4809	10148	63.3	146.8	56.0	114.6	234.3	26041	0.76
C.D. (5%) Bi-Bj		65.9	490.6	71.8	1.1	1.7	0.9	0.7	6.4	1152.3	0.04
C.V. (%) ErrorB		2.2	5.8	1.8	2.0	1.4	1.8	0.7	3.2	5.2	5.4
F (5%)		S	S	S	N.S.	S	N.S.	N.S.	N.S.	N.S.	S

Table 74: Enhancing water use efficiency in rainfed maize in Karimnagar.

Tillage practices	Hydrogel (kg/ha)	Grain yield (kg/ha)	Stalk yield (kg/ha)	Cob yield (kg/ha)	Days to 50% tasseling	Days to 50% silking	Plant height (cm)	Ear height (cm)
Conventional tillage	Control	4526	6448	7044	59.0	62.0	197.3	91.3
	Hydrogel 2.5	4506	6106	6710	58.0	61.7	196.7	90.0
	Hydrogel 5.0	4634	6263	6974	58.3	61.3	196.3	88.3
Conventional tillage+ Mulch	Control	5333	6377	8078	58.0	61.0	200.7	95.0
	Hydrogel 2.5	5388	6944	8460	58.0	61.3	195.0	92.0
	Hydrogel 5.0	5015	5902	8194	58.0	61.0	198.7	102.0
Zero tillage	Control	4691	4745	6969	58.3	61.3	195.0	98.3
	Hydrogel 2.5	4870	5200	7101	58.3	61.7	199.3	94.0
	Hydrogel 5.0	4856	4794	7467	57.3	60.7	199.3	99.3
Zero tillage+ Mulch	Control	4958	7148	7717	58.3	61.3	193.7	90.0
	Hydrogel 2.5	5387	5092	8261	58.0	61.0	194.3	93.3
	Hydrogel 5.0	5250	6285	8185	57.7	61.0	192.0	89.0
Location mean		4951.2	5942.0	7596.7	58.1	61.3	196.5	93.6
C.D.(5%) AiBj-AiBk		699.7	1076.6	963.9	1.5	1.6	15.7	9.9
C.D.(5%) AiBk-AjBk		674.6	1418.5	840.6	1.8	2.0	17.6	8.9
F(5%)		N.S.	S	N.S.	N.S.	N.S.	N.S.	N.S.
Conventional tillage		4555	6272	6909	58.4	61.7	196.8	89.9
Conventional tillage+ Mulch		5246	6408	8244	58.0	61.1	198.1	96.3
Zero tillage		4806	4913	7179	58.0	61.2	197.9	97.2
Zero tillage+ Mulch		5198	6175	8054	58.0	61.1	193.3	90.8
C.D. (5%) Ai-Aj		361.2	1117.8	297.8	1.3	1.5	12.1	3.7
C.V. (%) Error A		6.3	16.3	3.4	2.0	2.2	5.3	3.4
F (5%)		S	N.S.	S	N.S.	N.S.	N.S.	S
Control		4877	6179	7452	58.4	61.4	196.7	93.7
Hydrogel 2.5 (kg/ha)		5038	5836	7633	58.1	61.4	196.3	92.3
Hydrogel 5.0 (kg/ha)		4939	5811	7705	57.8	61.0	196.6	94.7
C.D. (5%) Bi-Bj		349.8	538.3	482.0	0.7	0.8	7.9	5.0
C.V. (%) ErrorB		8.2	10.5	7.3	1.5	1.5	4.6	6.1
F (5%)		N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

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Table 75: Enhancing water - use efficiency in rainfed maize in Chhindwara.

Tillage practices	Hydrogel (kg/ha)	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking
Conventional tillage	Control	5865	8356	57.4	60.7	271.0	62.0	63.7
	Hydrogel 2.5	5967	8585	60.0	61.8	275.3	61.7	63.7
	Hydrogel 5.0	6453	9681	60.0	63.7	277.3	62.0	62.7
Conventional tillage + Mulching	Control	6351	9497	58.9	63.0	275.3	61.7	62.3
	Hydrogel 2.5	6680	11509	63.3	66.3	282.3	60.7	62.3
	Hydrogel 5.0	7036	11908	64.8	67.8	284.7	61.3	62.7
Zero tillage	Control	6351	9673	59.6	63.3	276.0	62.0	63.3
	Hydrogel 2.5	6495	10881	60.4	64.8	277.3	61.3	62.7
	Hydrogel 5.0	6495	11048	60.4	65.5	280.0	62.0	63.3
Zero tillage + Residue (4 t/ha)	Control	6578	11074	62.6	65.9	280.7	61.7	62.7
	Hydrogel 2.5	7254	12140	65.2	68.1	285.3	61.0	62.3
	Hydrogel 5.0	7629	12104	65.9	71.1	289.0	61.0	62.3
Location mean		6596.2	10537.9	61.5	65.2	279.5	61.5	62.8
C.D.(5%) AiBj-AiBk		730.7	1218.2	8.4	6.7	14.6	1.4	0.9
C.D.(5%) AiBk-AjBk		962.4	1502.8	7.3	7.3	13.5	1.5	1.1
F(5%)		N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
Conventional tillage		6095	8874	59.1	62.1	274.6	61.9	63.3
Conventional tillage + Mulching		6689	10971	62.3	65.7	280.8	61.2	62.4
Zero tillage		6447	10534	60.1	64.6	277.8	61.8	63.1
Zero tillage + Residue (4 t/ha)		7154	11772	64.6	68.4	285.0	61.2	62.4
C.D. (5%) Ai-Aj		758.3	1131.7	2.7	4.9	6.2	1.1	0.9
C.V. (%) Error A		10.0	9.3	3.9	6.5	1.9	1.5	1.2
F (5%)		N.S.	S	S	N.S.	S	N.S.	N.S.
Control		6286	9650	59.6	63.2	275.8	61.8	63.0
Hydrogel 2.5 (kg/ha)		6599	10779	62.2	65.3	280.1	61.2	62.8
Hydrogel 5.0 (kg/ha)		6903	11185	62.8	67.0	282.8	61.6	62.8
C.D. (5%) Bi-Bj		365.3	609.1	4.2	3.3	7.3	0.7	0.4
C.V. (%) ErrorB		6.4	6.7	7.8	5.9	3.0	1.3	0.8
F (5%)		S	S	N.S.	N.S.	N.S.	N.S.	N.S.

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Tillage practices	Hydrogel (kg/ha)	Net returns (Rs. /ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
Conventional tillage	Control	63035	2.6	3.9	13.5	15.2	14.0	30.7
	Hydrogel 2.5	64639	2.6	3.4	13.6	16.0	14.7	33.3
	Hydrogel 5.0	72295	3.0	2.1	14.7	16.3	15.3	35.0
Conventional tillage + Mulching	Control	70736	2.9	2.0	14.4	16.2	14.7	33.3
	Hydrogel 2.5	77184	3.1	2.2	15.6	16.6	14.7	39.0
	Hydrogel 5.0	82393	3.4	3.0	15.9	16.7	16.7	39.3
Zero tillage	Control	70908	2.9	2.7	14.8	16.4	15.3	34.7
	Hydrogel 2.5	74052	3.0	1.9	15.0	16.5	15.3	36.3
	Hydrogel 5.0	74218	3.0	1.7	15.4	16.7	16.0	36.7
Zero tillage + Residues (4 t/ha)	Control	75369	3.1	1.9	15.6	16.7	16.0	38.0
	Hydrogel 2.5	85558	3.5	2.5	16.0	16.8	16.7	40.0
	Hydrogel 5.0	90582	3.7	1.1	16.1	17.0	17.3	41.3

Location mean	75080.8	3.1	2.4	15.0	16.4	15.6	36.5
C.D.(5%) AiBj-AiBk	9692.9	0.4	1.5	2.2	1.4	2.1	6.1
C.D.(5%) AiBk-AjBk	12713.7	0.5	1.5	2.1	1.3	2.1	5.8
F(5%)	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

Conventional tillage	66656	2.7	3.1	13.9	15.8	14.7	33.0
Conventional tillage + Mulching	76771	3.1	2.4	15.3	16.5	15.3	37.2
Zero tillage	73060	3.0	2.1	15.1	16.5	15.6	35.9
Zero tillage + Residues (4 t/ha)	83836	3.4	1.8	15.9	16.8	16.7	39.8

C.D. (5%) Ai-Aj	9990.7	0.4	0.8	1.0	0.6	1.3	3.0
C.V. (%) Error A	11.5	11.5	28.1	5.9	3.0	7.1	7.1
F (5%)	S	S	S	S	S	S	S

Control	70012	2.9	2.6	14.6	16.1	15.0	34.2
Hydrogel 2.5 (kg/ha)	75358	3.1	2.5	15.1	16.5	15.3	37.2
Hydrogel 5.0 (kg/ha)	79872	3.3	2.0	15.5	16.7	16.3	38.1

C.D. (5%) Bi-Bj	4846.5	0.2	0.8	1.1	0.7	1.0	3.0
C.V. (%) ErrorB	7.5	7.5	37.2	8.5	5.0	7.7	9.6
F (5%)	S	S	N.S.	N.S.	N.S.	S	S

Table 76: Enhancing water-use efficiency in rainfed maize in Udaipur.

Tillage practices	Hydrogel (kg/ha)	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Plant height (cm)	Days to 50% tasseling
Conventional till	Control	3717	5220	63.2	185.3	47.0
	Hydro 2.5	3940	5927	63.2	188.5	46.7
	Hydro 5.0	4130	6227	63.5	192.2	47.0
Conventional till + Mulch	Control	4023	6020	63.0	187.6	46.7
	Hydro 2.5	4223	6720	63.3	190.6	47.0
	Hydro 5.0	4530	7230	63.3	194.6	47.0
Zero tillage	Control	3917	5872	63.2	190.5	47.0
	Hydro 2.5	4117	6585	63.3	193.7	47.0
	Hydro 5.0	4322	7124	63.2	196.4	46.7
Zero tillage + Residue 4 t/ha	Control	4119	6585	63.2	192.5	47.3
	Hydro 2.5	4317	7126	63.2	196.4	47.0
	Hydro 5.0	4524	7323	62.6	199.3	47.0
Location mean		4156.6	6496.5	63.2	192.3	46.9
C.D.(5%) AiBj-AiBk		417.4	580.2	2.2	8.6	0.9
C.D.(5%) AiBk-AjBk		469.4	691.4	3.2	19.3	3.5
F(5%)		N.S.	N.S.	N.S.	N.S.	N.S.
Conventional till		3929	5791	63.3	188.7	46.9
Conventional till + Mulch		4259	6657	63.2	190.9	46.9
Zero tillage		4119	6527	63.2	193.5	46.9
Zero till + Residue 4 t/ha		4320	7011	63.0	196.1	47.1
C.D. (5%) Ai-Aj		324.5	506.1	2.7	18.0	3.5
C.V. (%) Error A		6.8	6.8	3.8	8.1	6.4
F (5%)		N.S.	S	N.S.	N.S.	N.S.
Control		3944	5924	63.1	189.0	47.0
Hydro 2.5 (kg/ha)		4149	6589	63.2	192.3	46.9
Hydro 5.0 (kg/ha)		4377	6976	63.1	195.6	46.9
C.D. (5%) Bi-Bj		208.7	290.1	1.1	4.3	0.5
C.V. (%) ErrorB		5.8	5.2	2.0	2.6	1.1
F (5%)		S	S	N.S.	S	N.S.

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Tillage practices	Hydrogel (kg/ha)	Days to 50% silking	Days to maturity	Cob length (cm)	Cob girth (cm)	Net returns Rs/ha	B:C ratio
Conventional till	Control	52.0	95.0	17.5	15.5	29620	1.47
	Hydro 2.5	51.7	95.0	18.0	16.0	31757	1.48
	Hydro 5.0	52.0	94.7	18.1	16.2	33087	1.46
Conventional till + Mulch	Control	51.7	94.3	18.0	15.8	32100	1.45
	Hydro 2.5	52.0	94.7	18.5	16.2	33950	1.45
	Hydro 5.0	52.0	94.3	18.3	16.3	36890	1.49
Zero tillage	Control	52.0	94.7	17.1	16.0	34780	1.92
	Hydro 2.5	52.0	93.7	18.5	16.5	36643	1.89
	Hydro 5.0	51.7	93.3	18.4	16.6	38384	1.86
Zero till + Residue 4 t/ha	Control	52.3	94.0	18.5	16.5	35909	1.79
	Hydro 2.5	52.0	94.0	19.0	16.9	37580	1.76
	Hydro 5.0	52.7	95.0	19.1	16.9	39015	1.73

Location mean	52.0	94.4	18.3	16.3	34976.2	1.65
C.D.(5%) AiBj-AiBk	1.6	2.3	1.0	0.8	5536.5	0.27
C.D.(5%) AiBk-AjBk	4.1	4.0	1.9	1.2	6260.6	0.30
F(5%)	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

Conventional till	51.9	94.9	17.9	15.9	31488	1.47
Conventional till + Mulch	51.9	94.4	18.3	16.1	34313	1.46
Zero tillage	51.9	93.9	18.0	16.4	36602	1.89
Zero till + Residue 4 t/ha	52.3	94.3	18.9	16.8	37501	1.76

C.D. (5%) Ai-Aj	3.9	3.5	1.8	1.0	4354.3	0.20
C.V. (%) Error A	6.5	3.2	8.4	5.1	10.8	10.8
F (5%)	N.S.	N.S.	N.S.	N.S.	N.S.	S

Control	52.0	94.5	17.8	16.0	33102	1.66
Hydro 2.5 (kg/ha)	51.9	94.3	18.5	16.4	34982	1.65
Hydro 5.0 (kg/ha)	52.1	94.3	18.5	16.5	36844	1.64

C.D. (5%) Bi-Bj	0.8	1.1	0.5	0.4	2768.2	0.13
C.V. (%) ErrorB	1.8	1.4	3.0	3.0	9.1	9.46
F (5%)	N.S.	N.S.	S	S	S	N.S.

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Table 77: Evaluation of New Bio-fertilizer in maize in Gossaingaon.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Plant height (cm)	Ear height (cm)	Days to 50% flowering	Days to 50% silking	Days to maturity	Net returns (Rs./ha)	B:C ratio
T ₁	5489	7000	73.3	143.2	54.4	50.3	57.3	97.7	30868	1.88
T ₂	4533	6156	72.9	140.8	56.4	49.0	53.3	102.3	19396	1.55
T ₃	4257	5400	71.1	143.0	58.3	50.3	55.0	109.0	16084	1.45
T ₄	4689	6111	72.5	141.7	55.3	50.0	54.3	106.3	21264	1.60
T ₅	4622	6178	72.5	142.8	52.5	48.0	52.7	105.0	21532	1.61
T ₆	4111	5644	72.7	131.9	46.7	48.3	53.0	107.0	14332	1.43
T ₇	4377	5933	73.1	137.4	56.0	48.0	53.0	107.0	17440	1.50
T ₈	3933	4733	73.9	136.5	55.8	49.7	54.3	110.0	12196	1.34
T ₉	4089	5666	73.4	139.1	51.9	49.7	54.0	105.0	14064	1.40
T ₁₀	4378	6433	73.4	140.0	55.5	49.0	54.0	98.3	18596	1.53
T ₁₁	5667	7644	74.4	145.9	57.1	48.7	54.3	97.7	33000	1.94
T ₁₂	3755	5889	72.2	145.9	49.8	48.0	55.7	97.0	10060	1.28
Mean	4491.6	6065.6	72.9	140.7	54.1	49.1	54.3	103.5	19069.3	1.54
CD	333.7	1194.0	1.5	3.5	3.4	1.3	2.4	2.1	4321.2	0.13
CV (%)	4.4	11.6	1.2	1.5	3.7	1.6	2.6	1.2	13.4	5.0
Significance	S	S	S	S	S	S	S	S	S	S

Table 78: Phosphorus Liquid Bio-fertilizers evaluation in maize in Imphal.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking	Days 80% physiological maturity
T ₁	3982	8452	74.7	192.2	58.3	61.0	107.0
T ₂	3603	7825	72.2	202.0	59.3	62.0	107.7
T ₃	3499	7274	72.6	184.2	56.7	60.3	106.0
T ₄	5264	11112	77.1	199.5	57.0	60.3	105.7
T ₅	4788	10222	75.4	185.1	56.3	59.3	106.0
T ₆	5026	10395	76.5	194.9	56.0	59.0	105.3
T ₇	5634	11481	77.0	195.8	56.7	60.0	105.3
T ₈	4968	10446	76.1	192.3	56.7	59.7	105.7
T ₉	5894	11468	77.6	205.7	57.7	60.0	104.7
T ₁₀	5539	11219	73.1	200.6	57.0	59.3	105.3
T ₁₁	5704	11521	74.4	204.3	58.0	61.0	105.0
T ₁₂	4981	10429	72.4	213.7	57.3	60.0	104.3
Mean	4906.9	10153.7	74.9	197.5	57.3	60.2	105.7
CD	537.6	1362.9	6.9	12.5	3.4	3.0	1.6
CV (%)	6.5	7.9	5.4	3.7	3.5	3.0	0.9
Significance	S	S	N.S.	S	N.S.	N.S.	S

Table 79: Evaluation of new bio-fertilizers in maize in Srinagar.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)
T ₁	4118	13053	81.2	82.8	248.3	87.3	91.3	24.5
T ₂	3970	12384	81.8	97.4	239.0	86.7	91.7	23.8
T ₃	4096	12361	81.5	91.2	249.0	87.0	91.7	24.1
T ₄	4157	12509	82.4	87.9	247.3	87.0	92.0	24.8
T ₅	4242	12604	82.3	85.3	249.7	84.3	89.7	23.7
T ₆	4246	12586	82.2	89.1	221.3	87.0	91.0	24.1
T ₇	4635	12252	82.5	97.8	223.0	87.0	91.0	24.5
T ₈	4398	12685	82.3	97.0	218.7	84.7	90.0	24.5
T ₉	4933	12704	82.6	100.0	226.3	85.7	90.0	24.5
T ₁₀	4469	12314	82.7	91.1	222.7	84.3	89.3	23.6
T ₁₁	4657	12556	82.4	91.3	215.7	83.0	87.0	24.3
T ₁₂	4516	12422	82.1	92.3	223.7	85.0	89.0	24.0
Mean	4369.8	12535.7	82.2	91.9	232.1	85.8	90.3	24.2
CD	340.8	608.8	1.1	1.9	13.5	2.4	2.5	1.6
CV (%)	4.6	2.9	0.8	1.3	3.4	1.7	1.6	3.8
Significance	S	N.S.	N.S.	S	S	S	S	N.S.

Treatments	Net returns (Rs./ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T ₁	105284	1.8	11.5	19.9	12.4	12.1	38.6
T ₂	107941	1.9	12.4	19.2	11.7	11.7	40.5
T ₃	112658	2.0	11.4	19.8	11.1	12.3	41.1
T ₄	84379	1.4	11.6	19.0	12.8	11.5	40.5
T ₅	87335	1.4	12.5	19.2	11.0	10.6	42.0
T ₆	92915	1.6	12.1	20.9	11.2	11.9	44.7
T ₇	115558	2.0	11.1	21.7	12.9	13.4	46.6
T ₈	119670	2.1	10.9	21.4	11.4	14.0	46.1
T ₉	125959	2.2	9.9	23.7	11.3	12.1	49.3
T ₁₀	98883	1.7	12.7	20.4	12.9	11.2	39.7
T ₁₁	102771	1.8	13.8	21.6	12.0	11.7	40.4
T ₁₂	105840	1.8	12.5	20.4	11.9	10.8	42.6
Mean	104932.7	1.8	11.9	20.6	11.9	11.9	42.7
CD	4396.9	0.1	2.1	2.7	1.6	1.7	3.8
CV (%)	2.5	2.4	10.7	7.7	8.0	8.4	5.3
Significance	S	S	N.S.	N.S.	N.S.	S	S

Table 82: Evaluation of new bio-fertilizers in maize in Pantnagar.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants (000'/ha) AH	Cobs ('000/ha)	Days to 50% tasseling	Days to 50% silking	Days to maturity
T ₁	4720	7667	81.3	81.3	63.7	68.3	98.3
T ₂	4961	7855	82.4	82.6	61.3	65.3	99.3
T ₃	5015	7867	82.3	82.5	61.7	65.7	98.7
T ₄	5252	8044	83.1	83.5	59.3	63.3	98.3
T ₅	5419	8267	82.3	82.6	62.7	66.7	101.3
T ₆	5617	8339	81.3	82.0	62.7	67.0	99.7
T ₇	6099	8911	83.6	83.8	59.3	63.3	104.3
T ₈	5700	8500	82.7	82.7	62.0	66.3	99.7
T ₉	6106	9111	83.3	84.2	60.7	64.7	107.0
T ₁₀	5866	8589	83.5	84.6	61.7	66.0	101.7
T ₁₁	6266	10213	83.4	84.2	60.3	64.0	102.3
T ₁₂	5971	8744	82.4	83.4	59.7	63.7	103.0
Mean	5582.6	8508.9	82.6	83.1	61.3	65.4	101.1
CD	507.0	742.0	2.5	2.7	1.8	1.9	1.5
CV (%)	5.4	5.1	1.8	1.9	1.7	1.7	0.9
Significance	S	S	N.S.	N.S.	S	S	S

Treatments	Plant height (cm)	100 grain wt. (g)	Cob length (cm)	Grains rows/cob	Net return	B:C ratio
T ₁	187.8	20.8	13.7	14.0	44057	1.90
T ₂	190.0	21.3	13.9	14.4	47437	2.04
T ₃	193.5	21.6	14.0	14.7	48210	2.07
T ₄	193.6	21.4	14.1	14.8	51577	2.22
T ₅	195.5	23.4	14.6	14.9	51948	2.05
T ₆	197.8	23.8	14.3	15.1	55750	2.29
T ₇	202.2	25.3	15.2	15.7	61585	2.43
T ₈	201.7	23.7	14.3	15.2	56937	2.34
T ₉	216.7	26.4	15.3	16.1	61690	2.44
T ₁₀	197.8	24.3	14.5	15.4	59308	2.44
T ₁₁	209.7	27.8	15.8	16.3	63974	2.53
T ₁₂	206.2	24.9	15.7	14.9	58779	2.24
Mean	199.4	23.7	14.6	15.1	55104.3	2.25
CD	8.3	3.9	1.0	0.7	7225.1	0.29
CV (%)	2.4	9.7	4.0	2.7	7.7	7.6
Significance	S	S	S	S	S	S

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Table 83: Phosphorus liquid fertilizer evolution in maize crop in Bahaich.

Treatments	Grain yield (kg/ha)	Cobs yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Days to 50% silking	Days to maturity	Net returns (Rs./ha)	B:C ratio	Maize equivalent yield (kg/ha)
T ₁	3646	4558	4680	80.5	81.0	57.0	99.3	35717	2.79	3980
T ₂	4364	5455	5409	81.7	82.4	53.8	100.5	45990	3.24	4749
T ₃	4445	5556	5528	81.8	82.3	53.0	98.8	47250	3.30	4839
T ₄	4480	5600	5556	81.7	82.3	53.3	100.0	47664	3.31	4876
T ₅	4676	5845	5751	81.5	82.1	51.3	103.8	49208	3.24	5086
T ₆	5601	6064	5906	81.5	82.1	53.3	102.5	52912	3.52	5272
T ₇	4985	6231	6064	81.3	82.0	50.8	105.0	53349	3.37	5418
T ₈	4904	6130	5979	81.5	82.0	52.8	104.8	53127	3.47	5331
T ₉	5003	6254	6115	81.3	82.1	51.0	104.3	53650	3.38	5439
T ₁₀	4673	5841	5728	81.4	81.9	54.0	105.8	49616	3.31	5082
T ₁₁	5044	6305	6143	81.4	82.0	52.0	105.3	53748	3.34	5482
T ₁₂	5207	6509	6298	81.6	82.1	49.8	106.3	55191	3.30	5657
Mean	4752.3	5862.3	5763.1	81.4	82.0	52.6	103.0	49784.9	3.30	5100.9
CD	624.0	33.2	71.4	0.3	0.3	1.0	1.1	394.5	0.02	28.2
CV (%)	9.1	0.4	0.9	0.3	0.3	1.3	0.7	0.6	0.38	0.4
Significance	S	S	S	S	S	S	S	S	S	S

Table 84: Phosphorus Liquid Bio-fertilizers evaluation in maize in Bhubaneswar.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Days to 50% silking	Days to maturity	100 grain weight (g)	Grains/ row	Net return (Rs)/ha	BC ratio
T ₁	3371	11579	5465.0	60.6	54.3	114.0	22.7	11.9	20250	1.56
T ₂	3594	14477	7241.7	63.1	55.3	114.7	24.9	12.7	26046	1.72
T ₃	3717	14782	7517.4	62.1	55.0	113.7	25.4	12.8	27978	1.78
T ₄	3884	15398	7807.2	64.4	57.3	116.0	25.9	13.1	30813	1.85
T ₅	3952	15513	7996.5	63.8	56.0	113.7	26.4	13.7	29880	1.79
T ₆	3850	14651	7923.8	62.4	56.0	114.0	26.3	14.1	28618	1.77
T ₇	4095	10381	7970.0	63.4	55.7	113.7	26.6	14.2	26586	1.70
T ₈	4026	15563	7913.5	63.0	56.7	114.0	27.1	14.5	31851	1.86
T ₉	4367	15129	8088.4	64.1	55.7	113.0	27.8	14.5	34941	1.92
T ₁₀	4213	15725	8107.0	64.0	56.0	113.0	27.2	14.8	34502	1.93
T ₁₁	4537	15907	8151.8	64.4	56.0	113.3	28.2	15.3	37975	2.00
T ₁₂	4408	15605	8127.9	64.2	54.3	113.7	27.6	14.5	34705	1.88
Mean	4001.2	14559.2	7692.5	63.3	55.7	113.9	26.3	13.8	30345.4	1.81
CD	166.7	4642.0	266.6	1.4	1.5	1.8	1.8	1.3	5236.7	0.14
CV (%)	2.5	18.8	2.0	1.3	1.6	0.9	4.0	5.6	10.2	4.5
Significance	S	N.S.	S	S	S	N.S.	S	S	S	S

Table 85: Phosphorus liquid bio-fertilizer evaluation in maize in Chitrakoot.

Treatments	Grain yield (Kg/ha)	Cob yield (Kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Days to 50% silking	Days to 50% maturity
T ₁	3387	6481	8180	52.0	59.1	61.7	86.3
T ₂	3611	7189	8626	54.3	65.7	67.7	85.7
T ₃	3550	7080	8790	55.0	55.0	65.7	87.7
T ₄	3630	7244	8825	57.3	65.1	65.0	85.0
T ₅	3703	7353	9150	52.0	64.4	62.3	85.7
T ₆	4197	8336	9233	54.0	61.1	64.0	85.7
T ₇	4291	7734	9657	48.3	48.3	64.0	87.0
T ₈	4389	8605	9328	53.0	68.2	63.7	85.7
T ₉	3857	7843	9291	58.7	63.1	63.3	86.3
T ₁₀	4033	7528	9304	56.3	63.6	64.0	85.7
T ₁₁	4607	8442	9892	55.3	58.7	65.3	85.0
T ₁₂	3729	7122	9382	54.0	54.0	64.0	86.3
Mean	3915.4	7579.7	9138.2	54.2	60.5	64.2	86.0
CD	675.0	1215.0	878.3	8.0	16.5	5.1	2.4
CV (%)	10.2	9.5	5.7	8.7	16.1	4.7	1.6
Significance	S	S	S	N.S.	N.S.	N.S.	N.S.

Treatments	Plant height (cm)	Cob length (cm)	Cob girth (cm)	Grain row/cob	1000-grain weight (g)	Net returns (Rs./ha)	BC ratio
T ₁	211.9	15.2	12.6	13.1	203.3	42063	2.55
T ₂	207.3	15.1	12.7	13.6	203.0	46479	2.71
T ₃	212.2	15.1	12.5	13.4	200.0	45545	2.67
T ₄	215.8	18.0	12.5	12.8	206.0	43685	2.73
T ₅	225.7	15.8	12.8	12.9	205.7	46032	2.55
T ₆	214.6	16.8	13.3	13.3	206.7	56358	2.98
T ₇	213.3	16.3	13.0	12.7	205.0	57188	2.92
T ₈	216.7	15.6	12.8	13.5	200.0	59888	3.10
T ₉	214.9	15.5	13.0	12.3	203.7	48971	2.64
T ₁₀	208.4	16.4	12.7	12.9	204.0	53520	2.88
T ₁₁	216.7	17.3	12.9	13.3	207.3	63092	3.12
T ₁₂	221.4	17.1	12.9	12.9	205.7	45578	2.48
Mean	214.9	16.2	12.8	13.1	204.2	50699.9	2.78
CD	13.7	1.8	1.1	1.0	11.8	12747.1	0.44
CV (%)	3.8	6.4	5.1	4.3	3.4	14.8	9.3
Significance	N.S.	S	N.S.	N.S.	N.S.	S	N.S.

Table 87: Phosphorus Liquid Bio-fertilizers evaluation in maize in Kalyani.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Plant height (cm)	Days to 50% silking	Days to 50% Maturity	100-seed weight (g)
T ₁	6452	8359	79.8	193.3	55.7	99.0	25.5
T ₂	8170	10077	79.8	199.0	56.7	101.7	27.8
T ₃	7972	9917	79.3	210.7	57.3	101.7	28.5
T ₄	7866	9831	80.2	192.0	55.7	99.3	31.0
T ₅	7640	9569	79.0	207.3	56.3	99.7	28.7
T ₆	7571	9497	80.2	209.0	57.0	101.0	29.3
T ₇	9200	11152	78.4	214.0	56.0	99.7	29.7
T ₈	8245	10199	79.2	213.3	55.7	100.3	30.4
T ₉	9749	11713	80.7	221.3	56.7	101.0	31.2
T ₁₀	9405	11295	80.1	216.3	56.0	101.3	30.7
T ₁₁	11980	13678	81.7	247.3	55.0	98.3	36.3
T ₁₂	9232	11138	79.8	219.0	55.3	100.3	27.7
Mean	8623.6	10535.4	79.9	211.9	56.1	100.3	29.7
CD	1865.0	1905.4	2.6	25.5	2.2	3.5	4.8
CV (%)	12.8	10.7	1.9	7.1	2.3	2.1	9.5
Significance	S	S	N.S.	S	N.S.	N.S.	S

Treatment	Net returns (Rs. /ha)	B:C ratio	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T ₁	56929	2.30	10.8	14.9	13.2	23.6
T ₂	82207	2.86	10.8	14.1	14.3	24.9
T ₃	79314	2.79	13.1	13.8	14.1	26.0
T ₄	77863	2.76	14.1	14.9	14.7	27.8
T ₅	68798	2.38	13.8	14.7	14.7	25.8
T ₆	71920	2.58	14.0	14.4	14.1	27.0
T ₇	96404	2.83	16.0	14.9	14.7	27.3
T ₈	82078	2.80	12.8	14.3	14.4	24.7
T ₉	100001	3.07	15.1	14.3	14.1	27.2
T ₁₀	99355	3.18	14.3	15.0	14.4	26.4
T ₁₁	138099	4.06	16.3	15.3	15.5	31.7
T ₁₂	89724	2.70	13.6	15.3	14.7	28.1
Mean	86891.0	2.86	13.7	14.6	14.4	26.7
CD	28019.3	0.57	2.4	1.6	1.5	5.8
CV (%)	19.0	11.9	10.3	6.3	6.2	12.8
Significance	S	S	S	N.S.	N.S.	N.S.

Table 88: Phosphorus liquid bio-fertilizers evaluation in maize in Coimbatore.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking
T ₁	6387	11078	62.8	60.6	229.4	53.7	57.3
T ₂	4544	7962	63.9	61.0	208.7	50.3	54.3
T ₃	4571	8096	62.6	59.7	209.4	50.7	54.3
T ₄	4611	8187	63.5	60.8	210.7	50.7	55.0
T ₅	4468	7792	62.8	60.2	204.1	50.0	54.0
T ₆	4733	8308	62.8	60.2	212.9	51.0	55.0
T ₇	4916	8651	62.4	60.0	214.9	51.3	55.0
T ₈	4814	8472	63.9	61.1	213.7	51.0	55.0
T ₉	4995	8753	63.7	61.3	215.4	51.3	55.3
T ₁₀	5097	8941	63.0	60.4	216.7	51.7	55.3
T ₁₁	5278	9376	62.6	59.7	219.3	52.0	56.0
T ₁₂	4492	7931	64.6	61.1	206.3	50.0	54.0
Mean	4908.9	8628.8	63.2	60.5	213.5	51.1	55.1
CD	670.0	1937.1	3.5	2.7	38.5	3.4	3.0
CV (%)	8.1	13.3	3.2	2.6	10.6	3.9	3.2
Significance	S	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

Treatment	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T ₁	38.9	61145	2.34	18.9	14.5	14.1	36.1
T ₂	36.0	35123	1.86	15.3	13.4	13.0	32.3
T ₃	36.2	35657	1.87	15.4	13.4	13.0	32.7
T ₄	36.2	36348	1.89	15.5	13.7	13.0	33.0
T ₅	35.8	31008	1.71	14.7	13.2	12.4	32.2
T ₆	36.2	36659	1.86	15.8	13.7	13.5	33.5
T ₇	37.1	38322	1.87	16.3	13.9	13.5	34.3
T ₈	36.7	38038	1.89	16.2	13.9	13.5	33.7
T ₉	37.4	39609	1.90	16.5	14.0	13.5	34.3
T ₁₀	37.4	42757	2.00	16.7	14.0	13.7	34.3
T ₁₁	37.8	44477	2.01	17.1	14.2	13.7	34.6
T ₁₂	35.8	30082	1.67	14.8	13.2	12.4	32.2
Mean	36.8	39102.0	1.91	16.1	13.8	13.3	33.6
CD	6.5	10264.8	0.24	3.4	2.6	0.7	6.6
CV (%)	10.5	15.5	7.4	12.6	11.3	3.2	11.7
Significance	N.S.	S	S	N.S.	N.S.	S	N.S.

Table 89: Evaluation of new bio-fertilizers in maize in Dharwad.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha) AH	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days 50% to silking	100-seed weight (g)
T ₁	4523	7049	75.6	70.7	194.6	50.5	55.7	20.3
T ₂	4897	7269	75.0	70.8	196.9	51.8	56.7	21.4
T ₃	4731	7452	74.4	70.8	200.0	51.1	55.7	24.1
T ₄	4939	28768	75.5	71.8	199.8	50.8	56.3	23.8
T ₅	6266	8872	78.7	73.8	213.1	51.5	56.3	27.0
T ₆	6088	8543	78.5	73.3	212.8	52.1	57.0	25.5
T ₇	6311	8919	77.4	73.3	210.1	51.5	56.7	27.1
T ₈	6290	8597	77.7	73.0	211.8	51.5	56.0	25.0
T ₉	6657	8983	76.7	72.9	210.8	51.5	56.0	28.6
T ₁₀	6304	8788	76.0	72.9	209.6	51.8	57.3	25.9
T ₁₁	6629	8998	77.7	74.5	213.7	51.8	56.3	29.1
T ₁₂	6781	9185	78.0	75.0	215.2	52.5	55.7	30.5
Mean	5867.9	10118.6	76.8	72.7	207.4	51.5	56.3	25.7
CD	484.4	17989.3	2.6	2.5	8.1	1.4	1.6	2.6
CV (%)	4.9	105.0	2.0	2.0	2.3	1.6	1.7	6.0
Significance	S	N.S.	S	S	S	N.S.	N.S.	S

Treatments	Net returns (Rs. /ha)	B:C ratio	Shelling (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	Wire worm and shoot fly/plot
T ₁	34364	2.25	66.0	11.4	3.3	13.4	27.0	1.00
T ₂	38080	2.37	70.7	13.1	3.6	14.3	30.9	1.00
T ₃	37780	2.36	70.2	12.9	3.7	13.9	32.2	1.33
T ₄	39176	2.41	69.8	12.9	3.8	13.5	32.9	1.00
T ₅	51450	2.71	74.6	14.8	4.3	14.8	35.2	0.33
T ₆	50441	2.76	71.6	13.9	4.0	14.3	33.2	0.00
T ₇	51839	2.72	74.7	15.2	4.5	14.8	36.9	0.33
T ₈	53070	2.85	72.5	14.1	4.1	14.4	34.3	0.67
T ₉	56335	2.87	76.1	16.2	4.4	14.9	37.1	0.67
T ₁₀	53248	2.86	73.4	14.2	4.1	14.4	34.2	0.33
T ₁₁	55971	2.85	76.7	15.9	4.6	15.1	38.2	0.67
T ₁₂	56647	2.80	78.4	18.1	4.8	15.1	40.4	0.67
Mean	48200.0	2.65	72.9	14.4	4.1	14.4	34.4	0.67
CD	4720.9	0.16	1.7	2.7	0.3	1.4	3.3	0.83
CV (%)	5.8	3.6	1.4	11.2	4.8	5.8	5.7	73.9
Significance	S	S	S	S	S	N.S.	S	N.S.

Table 90: Evaluation of new bio-fertilizers in maize in Karimnagar.

Treatments	Grain yield (kg/ha)	Stalk yield (kg/ha)	Cob yield (kg/ha)	Plant height (cm)	Ear height (cm)	Days to 50% tasseling	Days to 50% silking
T ₁	7848	8015	12011	191.7	93.7	62.7	66.0
T ₂	7794	8237	12140	206.7	85.7	62.0	66.0
T ₃	8458	8528	12223	210.7	86.1	62.3	66.3
T ₄	8292	8723	12098	208.7	90.0	63.0	68.3
T ₅	8238	8903	12682	221.0	92.3	64.0	70.0
T ₆	7809	9348	11612	228.3	102.7	62.7	65.7
T ₇	8108	9320	12182	227.3	94.3	63.7	67.7
T ₈	8566	9376	13154	232.3	99.3	62.3	67.3
T ₉	7657	8792	11765	215.3	95.3	63.7	67.0
T ₁₀	8077	9181	11848	211.0	94.0	63.3	67.7
T ₁₁	8076	8501	12404	221.3	106.0	64.3	69.3
T ₁₂	7888	8431	11904	212.3	97.3	62.3	67.0
Mean	8067.7	8779.6	12168.5	215.6	94.7	63.0	67.4
CD	1110.8	1340.8	1571.3	31.5	19.4	1.4	2.3
CV (%)	8.1	9.0	7.6	8.6	12.1	1.3	2.0
Significance	N.S.	N.S.	N.S.	N.S.	N.S.	S	S

Treatments	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	Shelling (%)	100 Grain weight (g)
T ₁	19.9	15.8	14.1	35.1	65.3	36.3
T ₂	20.6	15.9	13.7	37.9	64.1	34.7
T ₃	21.6	16.3	14.4	35.7	69.5	39.0
T ₄	19.5	15.8	13.7	37.2	68.6	38.9
T ₅	20.2	15.7	13.9	34.1	64.9	36.0
T ₆	20.4	16.0	13.6	35.1	67.2	38.0
T ₇	21.6	16.6	13.9	34.3	66.5	37.0
T ₈	21.4	16.5	13.7	37.5	65.1	38.7
T ₉	23.6	17.3	14.4	37.9	64.9	38.0
T ₁₀	19.7	15.7	13.6	34.0	68.5	35.0
T ₁₁	19.7	16.0	13.9	35.9	65.2	39.0
T ₁₂	19.9	16.6	13.6	34.8	66.3	37.3
Mean	20.7	16.2	13.9	35.8	66.4	37.3
CD	2.3	1.1	0.7	5.2	4.6	3.4
CV (%)	6.7	3.9	2.8	8.6	4.1	5.4
Significance	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

Table 91: Evaluation of new bio-fertilizer in maize in Kolhapur.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha) AH	Cobs ('000/ha)	Plant height (cm)	Days to 50% silking	Days to 50% tasseling	1000 seed weight (gm)
T ₁	5023	6813	78.7	49.8	177.3	66.3	64.7	317.5
T ₂	4980	7264	80.0	46.2	177.0	67.7	66.0	302.6
T ₃	4860	7089	77.6	42.9	181.7	67.0	65.3	306.9
T ₄	5337	8131	76.7	48.9	179.0	67.7	65.7	323.4
T ₅	4420	7033	77.1	42.0	165.7	68.0	66.0	316.8
T ₆	4850	7067	76.0	40.0	167.0	68.7	66.0	312.1
T ₇	5043	7788	80.0	43.6	176.0	68.3	66.3	324.3
T ₈	5197	7620	79.8	41.6	178.7	68.3	66.0	313.4
T ₉	5073	8109	79.8	41.3	172.3	68.3	66.0	309.8
T ₁₀	5497	8344	79.3	46.0	177.3	68.0	66.0	323.2
T ₁₁	5437	7589	79.3	45.3	174.7	68.0	66.0	316.1
T ₁₂	4890	7376	80.7	44.2	173.3	68.7	66.3	311.1
Mean	5050.6	7518.6	78.7	44.3	175.0	67.9	65.9	314.8
CD	604.3	750.3	3.2	4.4	9.1	1.0	1.0	23.0
CV (%)	7.1	5.9	2.4	5.9	3.1	0.8	0.9	4.3
Significance	N.S.	S	N.S.	S	S	S	N.S.	N.S.

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Table 92: Evaluation of new bio fertilizers in maize in Vagarai.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking	Days to maturity	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
T ₁	12372	17564	65.8	64.7	216.4	52.3	53.7	83.7	44.7	122726	2.95
T ₂	11978	15889	64.4	63.6	212.4	52.7	53.3	83.3	44.7	109961	2.58
T ₃	12161	17000	60.7	66.4	216.7	52.0	53.3	83.3	47.3	112709	2.62
T ₄	11635	17004	66.4	63.6	208.2	52.0	53.3	83.3	44.7	104812	2.50
T ₅	11841	16389	54.9	65.3	216.3	52.0	53.7	83.7	47.3	107503	2.53
T ₆	10649	17507	62.2	59.3	215.4	52.7	54.3	84.3	40.7	89801	2.28
T ₇	12352	16169	63.3	64.4	206.2	52.3	53.7	83.7	44.7	115112	2.64
T ₈	12228	18578	67.6	64.9	213.9	53.0	54.0	84.0	46.0	113477	2.62
T ₉	11718	18620	73.8	69.6	211.1	53.0	54.0	84.0	46.3	105600	2.50
T ₁₀	12834	15844	64.9	68.2	214.3	52.3	53.3	83.3	44.0	122576	2.75
T ₁₁	12849	15896	65.3	67.8	215.4	52.0	53.3	83.3	46.7	122561	2.75
T ₁₂	12376	17293	62.0	66.0	222.7	52.3	53.7	83.7	44.7	115286	2.64
Mean	12082.7	16979.4	64.3	65.3	214.1	52.4	53.6	83.6	45.1	111843.6	2.61
CD	1851.3	5407.1	8.7	10.2	11.0	1.0	1.5	1.5	4.6	27768.8	0.40
CV (%)	9.0	18.8	8.0	9.2	3.0	1.1	1.7	1.1	6.0	14.7	9.0
Significance	N.S.	N.S.	S	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

Table 93: Evaluation of new bio-fertilizers in maize in Ambikapur.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)
T ₁	2781	4721	63.5	61.3	183.7	53.0	56.0	30.8
T ₂	3153	5279	63.1	60.6	189.6	52.3	55.3	31.2
T ₃	3374	5611	62.3	60.1	195.5	52.0	55.0	31.3
T ₄	3031	5096	64.1	61.6	186.4	52.7	55.7	31.0
T ₅	4680	7570	65.2	63.5	234.2	50.3	53.3	32.1
T ₆	4236	6958	64.9	62.9	229.4	51.0	54.0	31.6
T ₇	5203	8354	65.6	64.1	238.1	50.0	52.7	32.3
T ₈	4483	7318	66.1	64.2	230.9	51.0	53.7	31.8
T ₉	5388	8632	65.5	64.3	239.3	49.3	52.3	32.5
T ₁₀	4163	6899	65.6	63.3	227.0	51.3	54.3	31.4
T ₁₁	4998	8101	66.1	64.5	235.8	50.3	53.0	32.2
T ₁₂	5537	8801	64.9	63.8	241.3	49.3	52.0	32.8
Mean	4252.3	6945.0	64.7	62.8	219.3	51.1	53.9	31.8
CD	685.8	923.6	3.3	3.4	16.8	2.3	2.5	3.0
CV (%)	9.5	7.9	3.0	3.2	4.5	2.7	2.7	5.6
Significance	S	S	N.S.	N.S.	S	S	S	N.S.

Cont...

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Treatments	Net returns (Rs./ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T ₁	12465	0.49	3.3	15.7	13.5	11.8	24.8
T ₂	17481	0.68	4.0	16.6	13.7	12.2	26.2
T ₃	20487	0.80	3.6	17.0	14.1	12.4	26.8
T ₄	15824	0.62	4.0	16.2	13.6	12.0	25.7
T ₅	35309	1.24	2.6	18.8	15.1	13.5	29.8
T ₆	30226	1.10	3.0	18.1	14.7	12.9	28.7
T ₇	42360	1.48	2.2	19.4	15.4	14.1	31.2
T ₈	33585	1.22	3.0	18.4	14.8	13.2	29.5
T ₉	44880	1.57	1.7	19.5	15.6	14.4	31.6
T ₁₀	29249	1.06	3.4	17.7	14.5	12.9	28.3
T ₁₁	39596	1.38	2.5	19.2	15.2	13.8	30.6
T ₁₂	45934	1.55	1.7	19.7	15.7	14.7	31.7
Mean	30616.4	1.10	2.9	18.0	14.7	13.2	28.7
CD	9231.5	0.33	1.6	1.8	1.3	1.2	3.0
CV (%)	17.8	17.7	31.3	5.9	5.1	5.2	6.2
Significance	S	S	S	S	S	S	S

Table 94: Phosphorus Liquid Bio-fertilizers evaluation in maize in Banswara.

Treatments	Grain yield (kg/ha)
T ₁	5362
T ₂	6139
T ₃	5500
T ₄	6736
T ₅	6639
T ₆	6306
T ₇	7222
T ₈	6139
T ₉	7139
T ₁₀	6861
T ₁₁	8500
T ₁₂	6750

Mean	6607.7
CD	1636.1
CV (%)	14.6
Significance	N.S.

Table 95: Phosphorus Liquid Bio-fertilizers evaluation in maize in Chhindwara.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking
T ₁	5344	7066	63.0	60.0	213.0	60.3	62.3
T ₂	5577	7437	64.1	61.5	220.7	59.7	61.7
T ₃	5666	8037	64.1	66.7	220.7	59.3	60.3
T ₄	5788	8286	64.8	62.2	230.3	60.0	62.0
T ₅	6910	9918	65.9	63.0	230.7	59.3	61.0
T ₆	6555	8463	65.2	60.7	213.0	60.0	62.0
T ₇	7038	10276	66.3	64.1	221.0	60.0	62.0
T ₈	6583	9552	65.5	63.3	230.7	60.3	62.3
T ₉	7266	10562	67.0	66.7	238.7	61.3	62.7
T ₁₀	6822	9761	65.5	65.5	234.3	60.0	62.0
T ₁₁	7377	10739	67.0	64.1	223.0	59.7	61.7
T ₁₂	7505	10886	67.4	71.1	236.0	60.3	62.0
Mean	6535.9	9248.6	65.5	64.1	226.0	60.0	61.8
CD	1036.0	1307.9	5.1	7.2	10.9	1.1	1.5
CV (%)	9.4	8.4	4.6	6.6	2.8	1.1	1.4
Significance	S	S	N.S.	N.S.	S	N.S.	N.S.

Treatments	Net returns (Rs. /ha)	B:C ratio	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T ₁	54709	2.2	15.5	14.2	13.3	34.7
T ₂	58129	2.4	15.6	14.2	14.0	35.0
T ₃	59930	2.4	15.7	14.6	14.0	36.0
T ₄	61828	2.5	15.8	14.2	14.0	36.7
T ₅	76508	2.9	16.9	15.5	13.3	38.7
T ₆	71479	2.8	16.0	14.7	13.3	37.3
T ₇	78492	2.9	17.2	15.7	14.0	38.7
T ₈	72943	2.9	16.3	15.0	13.3	37.7
T ₉	81852	3.1	17.3	15.0	14.7	39.3
T ₁₀	76377	3.0	16.7	15.3	13.3	38.7
T ₁₁	83529	3.1	17.5	16.0	14.0	40.7
T ₁₂	84401	3.0	18.5	16.2	15.3	42.0
Mean	71681.4	2.8	16.6	15.1	13.9	37.9
CD	13938.3	0.5	3.4	1.0	1.5	6.5
CV (%)	11.5	11.5	12.0	4.0	6.5	10.2
Significance	S	S	N.S.	S	N.S.	N.S.

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Table 96: Phosphorus Liquid Bio-fertilizers evaluation in maize in Jhabua.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Plant height (cm)	Days 50% tasseling	Days to maturity	100-seed weight (g)
T ₁	3700	3703	63.9	142.3	59.7	109.0	26.3
T ₂	4019	4120	64.2	146.9	59.7	108.7	27.5
T ₃	4072	4117	63.9	148.4	60.3	109.0	28.6
T ₄	4133	4078	63.1	151.2	59.7	109.3	28.0
T ₅	4639	4433	63.9	159.9	60.3	109.0	29.4
T ₆	5144	4311	64.4	155.2	59.7	108.7	30.4
T ₇	5044	4794	64.2	168.4	60.7	111.3	30.8
T ₈	5039	3850	63.6	166.9	62.0	109.7	29.0
T ₉	5261	4672	65.0	167.3	61.3	111.7	30.4
T ₁₀	5017	3728	64.7	161.1	61.3	110.7	29.0
T ₁₁	5244	4802	62.2	171.5	61.7	112.0	30.1
T ₁₂	5189	4653	65.3	171.2	61.3	112.3	30.3
Mean	4708.6	4271.7	64.0	159.2	60.6	110.1	29.2
CD	777.9	898.3	3.0	16.3	2.8	3.1	2.5
CV (%)	9.8	12.4	2.8	6.1	2.7	1.6	5.1
Significance	S	N.S.	N.S.	S	N.S.	N.S.	S

Treatments	Cob length (cm)	Cob weight/cob (g)	Grain rows/cob	Cob girth (cm)	Shelling (%)	Net return (Rs/ha)	B:C ratio
T ₁	14.4	84.0	11.3	13.5	75.8	47968	2.28
T ₂	15.0	94.7	12.3	13.9	78.2	54064	2.53
T ₃	15.8	95.7	12.3	14.1	76.6	54769	2.56
T ₄	16.0	95.2	12.3	13.2	79.3	55259	2.56
T ₅	17.0	120.3	13.1	14.2	77.0	62338	2.69
T ₆	16.9	122.9	12.9	14.2	78.6	69327	3.09
T ₇	16.7	129.2	13.3	13.8	79.0	69279	2.94
T ₈	15.8	122.1	12.2	14.3	78.2	65581	2.92
T ₉	16.9	130.7	13.3	14.2	79.9	71625	3.04
T ₁₀	17.0	120.5	13.3	13.5	79.7	64516	2.85
T ₁₁	16.7	130.3	12.9	14.4	80.1	71897	3.03
T ₁₂	17.0	129.1	12.8	14.4	79.3	69892	2.89
Mean	16.3	114.6	12.7	14.0	78.5	63042.9	2.78
CD	2.0	22.5	1.4	1.7	7.5	12497.5	0.55
CV (%)	7.4	11.6	6.6	7.4	5.7	11.7	11.70
Significance	N.S.	S	N.S.	N.S.	N.S.	S	N.S.

Table 97: Phosphorus liquid bio-fertilizer evaluation in maize in Udaipur.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Days to 50% silking	Cob length (cm)	Shelling (%)	Net returns Rs/ha	B:C ratio
T ₁	3817	5725	64.2	52.7	17.4	78.2	44050	2.26
T ₂	3027	4389	64.3	52.3	16.0	72.2	40659	2.25
T ₃	3043	4413	64.2	52.3	16.0	72.4	40883	2.27
T ₄	3143	4583	63.1	51.0	16.4	71.3	42253	2.34
T ₅	3327	4928	64.2	52.3	16.9	78.2	44098	2.35
T ₆	3227	4776	64.2	52.7	16.1	71.3	43071	2.34
T ₇	3443	5097	64.3	51.7	16.9	75.3	45617	2.43
T ₈	3247	4766	64.3	52.3	16.0	71.2	43301	2.35
T ₉	3430	4970	64.2	51.7	16.1	75.2	45330	2.41
T ₁₀	3553	5260	64.2	51.7	16.9	76.2	47475	2.58
T ₁₁	3630	5370	64.4	51.3	17.0	77.5	48130	2.56
T ₁₂	3620	5363	64.3	51.7	17.0	77.2	47678	2.49
Mean	3375.6	4970.0	64.2	52.0	16.6	74.7	44378.7	2.39
CD	542.2	797.7	3.7	3.7	1.0	5.2	8983.1	0.47
CV (%)	9.5	9.5	3.4	4.2	3.5	4.1	12.0	11.8
Significance	N.S.	S	N.S.	N.S.	S	S	N.S.	N.S.

Treatment details:

- T₁ Control (Recommended N and K)
- T₂ PSB I
- T₃ PSB II
- T₄ NPK consortia
- T₅ 60 kg P₂O₅/ha
- T₆ 30 kg P₂O₅/ha + PSB I
- T₇ 60 kg P₂O₅/ha + PSB I
- T₈ 30 kg P₂O₅/ha + PSB II
- T₉ 60 kg P₂O₅/ha + PSB II
- T₁₀ 30 kg P₂O₅/ha + NPK consortia
- T₁₁ 60 kg P₂O₅/ha + NPK consortia
- T₁₂ 90 kg P₂O₅/ha

Table 100: Optimization of potassium fertilization in Eastern India in Kalyani.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	100-seed weight (g)
T ₁	6840.3	8833.0	80.0	78.2	199.3	56.0	59.0	23.7
T ₂	7474.0	9356.0	80.8	79.3	202.7	56.7	59.3	24.3
T ₃	7621.3	9705.0	81.8	80.5	209.7	55.7	58.3	24.3
T ₄	10622.3	12796.0	82.5	81.8	257.7	54.7	57.3	33.0
T ₅	9336.7	11173.3	81.0	80.2	211.7	55.7	58.3	28.2
T ₆	8458.7	10473.3	82.0	81.0	204.0	54.7	58.7	27.0
Mean	8392.2	10389.4	81.4	80.2	214.2	55.6	58.5	26.8
CD	1144.2	1538.5	1.9	2.7	35.7	1.5	2.0	4.7
CV (%)	7.5	8.1	1.3	1.8	9.2	1.5	1.9	9.7
Significance	S	S	N.S.	N.S.	S	N.S.	N.S.	S

Treatment	Net returns (Rs. /ha)	B:C ratio	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	Total uptake (kg/ha)		
							N	P	K
T ₁	57027	2.15	14.1	13.3	13.2	24.9	167.6	37.6	130.0
T ₂	65911	2.31	14.6	14.7	13.9	26.6	186.9	39.6	149.5
T ₃	68123	2.35	14.5	14.8	14.2	26.6	180.6	45.7	147.1
T ₄	100338	3.22	17.2	16.5	15.1	33.9	260.2	68.0	208.2
T ₅	92558	2.80	15.5	14.9	14.8	27.4	214.7	63.5	191.4
T ₆	79343	2.53	15.4	14.8	13.9	29.0	190.3	52.4	171.7
Mean	77217.0	2.56	15.2	14.8	14.2	28.0	200.1	51.1	166.3
CD	27708.3	0.35	2.0	2.1	1.9	4.5	27.1	7.2	22.8
CV (%)	19.7	7.5	7.2	7.7	7.3	8.8	7.4	7.7	7.5
Significance	S	S	N.S.	N.S.	N.S.	S	S	S	S

Table 101: Optimization of potassium fertilization for eastern India in Ranchi.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking
T ₁	4511	6387	4762	78.8	75.8	211.7	49.8	54.5
T ₂	5066	7049	5303	79.6	77.7	220.9	48.8	53.0
T ₃	5471	7531	5699	80.2	78.5	226.4	48.0	52.0
T ₄	5709	7813	5920	80.0	78.8	229.8	47.5	51.3
T ₅	5808	7931	6023	80.6	79.2	231.8	47.3	50.8
T ₆	5839	7968	6061	80.4	79.0	232.9	47.0	50.5

Mean	5400.8	7446.5	5627.9	79.9	78.2	225.6	48.0	52.0
CD	720.4	743.2	725.7	4.9	4.8	13.1	2.3	1.3
CV (%)	8.9	6.6	8.6	4.1	4.1	3.9	3.1	1.7
Significance	S	S	S	N.S.	N.S.	S	N.S.	S

Treatment	Barrenness (%)	Cob length (cm)	Cob girth (cm)	Grains/row	Grain rows/cob	Grains/cob	1000 grain weight (g)
T ₁	4.2	15.1	12.1	28.3	12.3	350.1	301.1
T ₂	3.7	15.8	12.8	29.7	13.1	388.5	312.9
T ₃	3.1	16.2	13.3	30.4	13.6	413.2	320.1
T ₄	2.9	16.4	13.6	30.8	13.8	426.3	324.0
T ₅	2.6	16.6	13.7	31.1	13.9	432.0	325.1
T ₆	2.3	16.7	13.8	31.3	14.0	436.3	325.5

Mean	3.1	16.1	13.2	30.3	13.5	407.7	318.1
CD	0.6	1.2	1.1	2.6	1.3	39.1	20.9
CV (%)	13.7	5.1	5.3	5.6	6.5	6.4	4.4
Significance	S	N.S.	S	N.S.	N.S.	S	N.S.

Treatment	Net return (Rs/ha)	B:C ratio	N uptake (kg/ha)	P uptake (kg/ha)	K uptake (kg/ha)
T ₁	32208	1.10	91.7	16.3	81.6
T ₂	39180	1.31	101.8	17.8	91.4
T ₃	44120	1.45	109.2	18.8	98.8
T ₄	46782	1.51	113.2	19.4	103.5
T ₅	47576	1.51	115.3	19.6	105.5
T ₆	47450	1.48	116.6	19.6	106.3

Mean	42886.0	1.39	108.0	18.6	97.9
CD	9692.4	0.32	13.8	2.3	9.8
CV (%)	15.0	15.0	8.5	8.1	6.7
Significance	S	N.S.	S	S	S

Table 102: Optimization of potassium fertilization for eastern India in Ambikapur.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
T ₁	3457	6045	64.5	58.3	185.4	54.0	57.3	32.0	20742	0.78
T ₂	4472	7205	64.3	61.0	229.1	53.0	56.3	32.8	33355	1.21
T ₃	5087	7984	64.8	61.9	235.7	52.3	55.3	33.3	40882	1.44
T ₄	5445	8453	64.3	62.5	233.1	51.5	54.5	33.5	44344	1.49
T ₅	5543	8575	64.0	62.5	244.6	51.0	54.0	33.7	44518	1.44
T ₆	5573	8594	64.2	62.3	240.7	50.5	53.5	33.7	43544	1.35
Mean	4929.5	7809.3	64.4	61.4	228.1	52.0	55.1	33.2	37897.3	1.28
CD	603.2	958.5	1.3	4.8	5.7	1.4	1.5	1.7	8114.7	0.27
CV (%)	8.1	8.1	1.3	5.1	1.7	1.8	1.8	3.3	14.2	14.2
Significance	S	S	N.S.	N.S.	S	S	S	N.S.	S	S

Treatments	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	Total N uptake (kg/ha)	Total P uptake (kg/ha)	Total K uptake (kg/ha)
T ₁	9.6	15.6	12.8	13.1	23.3	85.2	14.5	84.2
T ₂	5.1	17.4	13.6	13.6	26.9	107.5	18.6	105.1
T ₃	4.6	18.2	14.0	14.0	28.8	121.9	21.2	118.7
T ₄	2.8	18.5	14.3	14.5	29.8	130.4	22.3	127.2
T ₅	2.4	18.7	14.4	14.6	30.1	132.9	23.0	129.6
T ₆	2.9	18.7	14.4	14.7	30.2	133.6	23.1	130.4
Mean	4.6	17.8	13.9	14.1	28.2	118.6	20.5	115.9
CD	6.7	1.1	0.8	0.5	1.9	12.7	2.2	12.7
CV (%)	96.8	4.1	3.8	2.5	4.5	7.1	7.1	7.3
Significance	N.S.	S	S	S	S	S	S	S

Treatment details:

	Potassium (kg/ha)
T ₁	0
T ₂	30
T ₃	60
T ₄	90
T ₅	120
T ₆	150

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Table 103: Ecological intensification for climate resilient maize based cropping systems in Bajaura.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
T ₁	4810	7409	41.7	48.1	158.6	26.0	10503	1.20
T ₂	11138	15263	66.2	83.1	198.2	34.0	91543	2.69
T ₃	10428	13978	64.7	79.1	193.0	30.0	87991	2.82
T ₄	3778	5967	44.3	42.2	141.1	25.3	4010	1.09
T ₅	6379	9081	59.5	66.2	186.8	30.0	28090	1.50
T ₆	11060	15339	62.8	82.3	193.6	31.3	90664	2.67
T ₇	4527	5908	53.0	59.6	162.4	26.0	5724	1.11
T ₈	10503	14291	65.5	80.9	195.3	31.3	84146	2.58
*T ₉	6495	8523	62.3	69.1	187.7	28.0	39021	1.85
Mean	7679.9	10639.9	57.8	67.8	179.6	29.1	49077.0	1.94
CD	558.7	1160.1	7.4	6.0	9.8	3.8	7419.4	0.14
CV (%)	4.2	6.3	7.4	5.1	3.2	7.5	8.7	4.3
Significance	S	S	S	S	S	S	S	S

Treatments	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T ₁	1.2	13.7	14.8	13.5	27.7
T ₂	0.4	15.1	16.3	15.0	33.0
T ₃	0.9	13.9	15.9	15.0	29.7
T ₄	4.6	12.3	14.1	13.7	25.7
T ₅	0.9	14.1	16.2	15.0	29.0
T ₆	0.9	14.3	15.5	15.7	30.3
T ₇	0.5	13.6	14.5	14.3	27.3
T ₈	0.9	14.6	15.8	15.3	32.3
*T ₉	1.4	13.1	14.7	14.7	28.7
Mean	1.3	13.8	15.3	14.7	29.3
CD	2.3	1.6	1.4	1.2	3.9
CV (%)	103.7	6.9	5.2	4.9	7.7
Significance	S	N.S.	S	S	S

Table 104: Ecological intensification for climate resilient maize based cropping systems in Imphal.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking	100-seed weight (g)
T ₁	3570	5486	64.2	59.8	220.9	51.3	55.0	27.7
T ₂	7604	7878	80.2	73.6	219.0	53.0	56.3	31.2
T ₃	4095	4961	69.8	64.6	239.2	51.7	54.7	29.7
T ₄	5548	6067	75.3	70.3	206.7	55.3	58.3	30.7
T ₅	5292	5635	68.1	63.3	208.4	51.3	54.3	25.2
T ₆	5612	6175	70.8	66.1	242.9	53.3	56.7	27.2
T ₇	4967	4945	74.3	70.4	214.3	52.0	55.0	24.9
T ₈	6220	6430	77.1	72.6	215.3	52.7	55.7	29.4
Mean	5363.6	5947.1	72.5	67.6	220.8	52.6	55.8	28.3
CD	1461.8	1777.7	4.9	4.9	52.6	2.8	2.7	1.2
CV (%)	15.6	17.1	3.8	4.1	13.6	3.0	2.8	2.4
Significance	S	N.S.	S	S	N.S.	N.S.	N.S.	S

Table 105: Ecological intensification for climate resilient maize based cropping systems in Srinagar.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking	100-seed weight (g)
T ₁	3877	9255	140.4	86.0	166.0	71.3	77.0	20.4
T ₂	6899	15429	82.8	100.9	222.3	90.3	94.0	24.6
T ₃	6220	14558	82.7	98.2	230.3	86.0	89.7	24.6
T ₄	5118	13565	82.6	96.2	240.3	85.7	90.3	24.9
T ₅	4094	10638	130.3	91.1	175.7	67.0	72.3	20.3
T ₆	5884	14299	82.7	99.3	240.7	90.0	94.0	24.9
T ₇	4852	13860	82.9	98.0	245.0	87.0	91.3	24.2
T ₈	5574	14252	82.8	99.4	223.7	88.3	92.7	25.0
Mean	5314.7	13232.0	95.9	96.1	218.0	83.2	87.7	23.6
CD	367.4	582.4	3.5	2.8	14.7	3.7	3.3	1.8
CV (%)	3.9	2.5	2.1	1.6	3.9	2.5	2.1	4.4
Significance	S	S	S	S	S	S	S	S

Treatments	Net returns (Rs. /ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T ₁	55848	0.63	30.7	15.7	9.6	8.0	24.3
T ₂	142588	2.89	10.5	22.6	14.1	14.1	46.6
T ₃	137041	2.87	11.2	20.2	12.2	10.9	35.1
T ₄	117184	2.77	11.0	20.4	13.9	11.7	41.3
T ₅	60518	0.77	32.6	17.0	9.0	8.8	25.0
T ₆	132793	2.40	11.2	21.2	11.0	10.4	40.6
T ₇	112556	2.52	11.5	21.4	13.9	13.9	45.5
T ₈	121952	2.60	11.7	20.9	12.3	13.4	42.6
Mean	110060.0	2.18	16.3	19.9	12.0	11.4	37.6
CD	4593.9	0.14	1.8	2.7	2.0	2.5	3.7
CV (%)	2.4	3.7	6.2	7.8	9.6	12.3	5.5
Significance	S	S	S	S	S	S	S

Table 106: Ecological intensification for climate resilient maize based cropping systems in Karnal.

Treatments	Grain yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking	Days to maturity	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
T ₁	6977	69.5	70.2	190.3	52.3	54.3	85.3	28.4	34474	1.48
T ₂	7089	69.5	73.0	190.0	54.0	56.0	85.7	28.0	37142	1.53
T ₃	7079	69.6	74.3	189.0	48.7	50.7	85.7	28.5	33953	1.46
T ₄	3486	64.7	55.3	163.0	57.0	59.0	88.3	17.8	-11269	0.82
T ₅	5338	96.5	58.8	197.3	58.0	60.0	88.7	21.3	8603	1.12
T ₆	5720	54.9	64.3	178.3	55.3	57.3	86.7	19.7	22681	1.35
T ₇	1456	24.6	40.2	140.3	58.0	60.0	86.7	19.4	-37509	0.37
T ₈	5798	67.4	58.3	182.0	54.0	56.0	85.7	27.7	15772	1.22
Mean	5368.0	64.6	61.8	178.8	54.7	56.7	86.6	23.8	12980.8	1.17
CD	631.9	3.6	6.4	8.7	1.7	1.7	1.0	2.8	9383.6	0.14
CV (%)	6.7	3.2	5.9	2.8	1.8	1.8	0.7	6.7	41.3	6.6
Significance	S	S	S	S	S	S	S	S	S	S

Table 107: Ecological intensification for climate resilient maize based cropping systems in Ludhiana.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100 seed weight (gm)	Net returns (Rs./ha)	BC ratio
T ₁	6168	9253	75.4	73.8	200.3	57.7	59.3	27.4	50935	1.20
T ₂	6470	9706	82.1	80.8	210.0	58.0	60.3	28.0	54663	1.26
T ₃	6249	9373	76.9	75.8	207.3	58.7	60.7	27.5	51315	1.18
T ₄	3271	3776	70.5	69.6	150.3	60.7	62.7	19.8	10110	0.26
T ₅	4672	6073	72.8	71.0	188.3	57.7	59.7	25.3	26492	0.61
T ₆	5190	6749	75.5	72.8	192.0	60.3	62.3	21.7	34746	0.81
T ₇	4040	5050	70.2	68.7	173.0	58.0	60.3	22.1	17302	0.40
T ₈	5679	8234	75.1	73.4	200.0	59.3	61.0	27.3	43634	1.04
Mean	5217.3	7276.8	74.8	73.2	190.2	58.8	60.8	24.9	36149.4	0.85
CD	1248.7	1695.5	4.8	3.9	34.5	2.2	2.3	2.5	18733.6	0.44
CV (%)	13.7	13.3	3.7	3.0	10.4	2.2	2.1	5.7	29.6	29.5
Significance	S	S	S	S	S	N.S.	N.S.	S	S	S

Table 108: Ecological intensification for climate resilient maize based cropping system in Kalyani.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Days to flowering	Days to maturity	Grains/panicle	1000 Grains Weight (g)	Effective tillers/m ²
T ₁	4130	6140	89.3	119.0	124.0	21.7	212.0
T ₂	5334	7943	83.7	113.3	187.3	28.7	294.3
T ₃	4664	6889	86.7	115.7	132.0	22.3	247.3
T ₄	4348	6478	85.0	114.0	115.0	23.0	235.7
T ₅	4304	6366	90.0	119.7	132.7	20.0	212.0
T ₆	4723	6989	84.3	113.7	166.3	26.0	263.0
T ₇	4356	6453	85.0	114.0	143.3	25.3	237.7
T ₈	4311	6380	85.0	114.0	144.0	25.3	237.0
Mean	4521.3	6704.6	86.1	115.4	143.1	24.0	242.4
CD	607.1	874.6	2.3	2.4	20.7	3.3	31.1
CV (%)	7.7	7.4	1.5	1.2	8.3	7.8	7.3
Significance	S	S	S	S	S	S	S

Treatments	pH of Soil after rice harvest	Organic carbon (%) after rice	Available of soil (kg/ha)			Total uptake (kg/ha)		
			N	P	K	N	P	K
T ₁	7.0	0.48	142.0	20.0	168.0	88.8	29.7	128.0
T ₂	7.4	0.69	220.3	32.7	256.7	114.7	38.4	165.4
T ₃	7.3	0.51	134.3	26.0	224.7	100.3	33.6	144.6
T ₄	7.4	0.45	124.7	17.0	166.0	93.5	31.3	134.8
T ₅	7.1	0.50	181.0	27.7	216.0	92.5	31.0	133.4
T ₆	7.2	0.54	175.0	26.3	200.3	101.5	34.0	146.4
T ₇	7.0	0.52	179.7	27.0	225.7	93.7	31.4	135.0
T ₈	7.2	0.59	196.3	28.0	200.3	92.7	31.0	133.6
Mean	7.2	0.54	169.2	25.6	207.2	97.2	32.5	140.2
CD	0.5	0.07	23.1	3.7	26.0	13.1	4.4	18.8
CV (%)	3.8	7.1	7.8	8.3	7.2	7.7	7.7	7.7
Significance	N.S.	S	S	S	S	S	S	S

Table 109: Ecological intensification for climate resilient maize based cropping systems in Ranchi.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T ₁	4001	8779	4847	95.1	90.1	203.9	11.2	11.8	11.7	21.1
T ₂	5600	8714	6702	71.9	70.3	228.1	16.7	12.6	13.6	31.4
T ₃	4383	7121	5275	73.1	71.0	211.0	14.0	11.9	12.4	26.7
T ₄	2183	4351	2668	71.9	69.2	176.7	9.9	11.2	11.2	18.7
T ₅	4722	8905	5670	93.3	91.4	209.8	11.7	11.9	11.9	22.2
T ₆	5453	8503	6535	73.6	71.8	221.4	16.2	12.2	13.3	30.8
T ₇	3164	5529	3849	72.5	70.1	194.0	11.2	11.3	11.8	21.3
T ₈	5030	8057	6030	72.8	71.0	217.2	15.4	12.1	13.1	29.3
Mean	4316.9	7495.0	5196.8	78.0	75.6	207.7	13.3	11.9	12.4	25.2
CD	631.1	1063.0	757.0	2.8	3.5	30.3	1.3	1.5	1.3	2.4
CV (%)	8.3	8.1	8.3	2.1	2.6	8.3	5.4	7.1	6.0	5.3
Significance	S	S	S	S	S	N.S.	S	N.S.	S	S

Treatment	Grains/cob	1000 grain weight (g)	Net return (Rs./ha)	B:C ratio	Total uptake (kg/ha)			Available (kg/ha) at harvest		
					N	P	K	*N	*P	*K
T ₁	245.8	302.9	24676	0.81	95.8	18.0	96.8	241.8	24.4	247.7
T ₂	425.7	315.7	42572	1.26	119.1	22.4	107.1	250.8	25.0	254.7
T ₃	331.3	307.1	29921	1.00	93.2	17.6	85.1	252.8	25.4	258.9
T ₄	209.5	287.7	1200	0.04	48.3	9.1	47.3	239.0	24.0	243.2
T ₅	264.0	310.4	30398	0.88	106.9	20.1	102.7	246.0	24.8	251.4
T ₆	410.1	314.7	40568	1.20	115.7	21.8	104.1	251.2	25.2	256.8
T ₇	251.8	299.8	11945	0.38	67.8	12.8	63.5	244.0	24.5	248.4
T ₈	384.4	312.1	36002	1.10	107.2	20.2	97.4	252.4	25.3	257.6
Mean	315.3	306.3	27160.2	0.83	94.3	17.7	88.0	247.2	24.8	252.4
CD	35.5	57.3	8618.7	0.28	13.0	2.5	12.1	14.1	2.1	21.4
CV (%)	6.4	10.7	18.1	18.9	7.9	7.9	7.9	3.3	4.8	4.8
Significance	S	N.S.	S	S	S	S	S	N.S.	N.S.	N.S.

*Initial available N- 255 (kg/ha)

*Initial available P- 26.2 (kg/ha)

*Initial available K- 265 (kg/ha)

Table 110: Ecological intensification for climate resilient maize based cropping systems in Coimbatore.

Treatment	Grain yield (kg/ha)	Straw yield (kg/ha)	Pods/plant	Seeds/pod	Plant height (cm)	100 seed weight (g)	Net returns (Rs./ha)	B:C ratio	Weed density (m ²) on 25 DAS		
									Grasses	Sedges	BLW
T ₁	594	1525	21.7	6.6	38.2	3.5	14971	1.63	57.3	4.0	211.3
T ₂	832	1782	26.1	7.5	43.1	3.9	23778	1.80	14.7	6.0	67.3
T ₃	811	1703	24.6	7.3	41.3	3.8	22360	1.75	29.3	14.7	102.7
T ₄	512	1252	18.8	6.2	36.2	3.2	7024	1.27	42.0	12.7	13.3
T ₅	706	1521	22.0	7.0	38.3	3.6	17866	1.65	36.7	0.7	128.7
T ₆	796	1638	24.2	7.1	41.0	3.7	21330	1.72	21.3	8.0	106.0
T ₇	408	1071	12.3	5.9	34.3	3.4	4149	1.18	106.0	2.7	117.3
T ₈	772	1597	23.5	7.1	39.6	3.8	19816	1.67	45.3	2.7	44.0
Mean	678.9	1511.2	21.6	6.8	39.0	3.6	16411.7	1.58	44.1	6.4	98.8
CD	103.6	235.3	8.1	0.5	8.7	0.4	6226.4	0.23	20.5	20.9	88.7
CV (%)	8.7	8.9	21.3	4.2	12.7	5.7	21.7	8.3	26.6	186.2	51.3
Significance	S	S	N.S.	S	N.S.	S	S	S	S	N.S.	S

Table 111: Ecological intensification for climate resilient maize based cropping systems in Dharwad.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days 50% to silking	100-seed weight (g)	Wire worm and Shoot fly/plot	Net returns (Rs./ha)	B:C ratio	Total weeds/m ² at 25 DAS	Total weeds dry wt. (g/m ²) at 30 DAS
T ₁	7141	8697	78.5	205.6	49.5	56.3	30.3	1.00	67829	3.71	30.8	5.2
T ₂	8218	9597	80.3	190.1	48.5	57.0	31.8	0.33	76338	3.50	4.3	1.0
T ₃	6912	8400	79.1	213.0	49.0	56.7	30.5	1.00	-2678	0.89	20.0	4.2
T ₄	1916	4600	36.8	155.1	49.5	55.3	27.6	1.67	18497	1.86	19.3	3.9
T ₅	6753	7800	76.3	221.6	50.0	56.7	30.5	2.67	62793	3.51	15.5	3.4
T ₆	4400	6493	77.5	201.0	50.0	56.0	28.2	1.00	33700	2.43	17.8	3.8
T ₇	4787	6750	79.7	203.8	51.0	57.0	29.4	1.33	39727	2.77	47.8	8.0
T ₈	5950	7330	73.1	210.1	50.0	55.7	29.9	4.33	54350	3.36	16.0	2.5
Mean	5759.8	7458.3	72.7	200.0	49.7	56.3	29.8	1.67	43819.4	2.75	21.4	4.0
CD	798.2	862.9	6.5	39.6	5.1	4.1	1.4	1.02	8393.3	0.35	10.6	1.3
CV (%)	7.9	6.6	5.1	11.3	4.3	4.2	2.7	34.9	10.9	7.2	28.2	18.0
Significance	S	S	S	N.S.	N.S.	N.S.	S	S	S	S	S	S

Table 112: Ecological intensification for climate resilient maize in Karimnagar.

Treatments	Grain yield (kg/ha)	Stalk yield (kg/ha)	Cob yield (kg/ha)	Days to 50% tasseling	Days to 50% silking	Plant height (cm)	Ear height (cm)
T ₁	6881	8181	9154	59.3	63.3	232.3	107.3
T ₂	8998	9723	11709	58.3	62.7	238.7	118.3
T ₃	8161	9181	10876	59.0	63.0	232.3	112.0
T ₄	5134	6681	7403	58.7	63.0	221.0	99.3
T ₅	7569	8890	9876	42.0	63.7	236.0	118.0
T ₆	6233	7598	8445	58.7	64.0	226.7	113.0
T ₇	5215	6501	7266	58.7	62.7	215.3	111.3
T ₈	6160	7001	7987	60.3	63.7	227.0	109.0
Mean	6794.2	7969.4	9089.4	56.9	63.3	228.7	111.0
CD	585.4	695.8	683.3	19.6	1.3	19.7	17.3
CV (%)	4.9	5.0	4.3	19.6	1.2	4.9	8.9
Significance	S	S	S	N.S.	N.S.	N.S.	N.S.

Treatments	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	Shelling (%)	100 Grain weight (g)	Net returns (Rs./ha)	B:C ratio
T ₁	18.5	15.4	13.2	36.5	75.1	32.3	26329	1.41
T ₂	20.2	16.5	14.1	39.3	76.9	36.9	56164	1.91
T ₃	19.3	16.2	13.6	37.3	74.9	36.5	50198	1.89
T ₄	17.0	15.7	12.9	32.5	69.4	33.5	10046	1.18
T ₅	18.3	16.0	12.9	36.7	76.8	33.7	35940	1.57
T ₆	17.9	15.7	13.3	34.3	73.8	33.9	28941	1.55
T ₇	17.1	15.7	12.9	32.4	71.8	31.1	16608	1.32
T ₈	18.3	16.1	13.3	36.5	77.1	33.8	23982	1.42
Mean	18.3	15.9	13.3	35.7	74.5	34.0	31026.0	1.53
CD	1.7	1.1	0.9	3.6	3.5	4.6	7668.4	0.13
CV (%)	5.2	4.0	4.0	5.8	2.7	7.7	14.1	5.0
Significance	S	N.S.	N.S.	S	S	N.S.	S	S

Table 115: Ecological intensification for climate resilient maize based cropping systems in Banswara.

Treatments	Grain yield of Blackgram (kg/ha)	Maize equivalent yield (kg/ha)
T ₁	646	2351
T ₂	1542	5612
T ₃	722	2629
T ₄	639	2326
T ₅	718	2614
T ₆	653	2376
T ₇	244	890
T ₈	417	1517

Mean	697.6	2539.2
CD	178.1	648.3
CV (%)	14.6	14.6
Significance	S	S

Table 116: Ecological intensification for climate resilient maize based cropping systems in Chhindwara.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% Silking
T ₁	3777	9074	109.2	86.3	240.0	62.0	63.0
T ₂	8420	21747	66.3	74.4	258.3	59.3	60.0
T ₃	6157	14950	63.7	72.2	243.0	60.3	62.0
T ₄	5592	13474	62.6	71.5	241.3	59.3	60.7
T ₅	5990	14612	120.7	98.1	244.0	60.7	62.3
T ₆	7059	17307	62.2	70.7	245.0	59.7	61.3
T ₇	5666	13760	60.4	67.0	243.0	61.0	62.3
T ₈	7471	18879	61.1	69.3	252.3	60.3	62.0

Mean	6266.7	15475.3	75.8	76.2	245.9	60.3	61.7
CD	501.3	1699.7	5.4	11.4	14.9	1.3	1.3
CV (%)	4.6	6.3	4.1	8.5	3.5	1.2	1.2
Significance	S	S	S	S	N.S.	S	S

Treatments	Net returns (Rs. /ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T ₁	38527	1.79	4.4	15.6	13.9	12.7	36.7
T ₂	103081	3.19	2.2	17.9	16.8	15.3	41.7
T ₃	67724	2.23	3.0	16.5	14.9	14.7	39.7
T ₄	64625	2.65	3.6	15.9	14.3	14.0	37.0
T ₅	61137	1.78	3.3	16.6	14.6	14.0	38.7
T ₆	80268	2.48	2.9	16.8	15.2	14.7	39.0
T ₇	61910	2.18	3.3	16.0	14.5	14.0	38.0
T ₈	89402	2.95	2.8	17.3	16.1	14.7	40.3

Mean	70834.2	2.41	3.2	16.6	15.0	14.3	38.9
CD	8280.6	0.30	1.0	2.5	1.3	1.4	5.8
CV (%)	6.7	7.2	17.2	8.6	5.0	5.7	8.5
Significance	S	S	S	N.S.	S	S	N.S.

Table 117: Ecological intensification for climate resilient maize based cropping system in Udaipur.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs (000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking
T ₁	3500	5245	64.4	73.1	210.3	45.0	49.0
T ₂	4530	7475	64.3	79.6	220.4	44.0	48.0
T ₃	4228	6351	64.3	73.7	210.7	45.0	49.3
T ₄	2515	3578	64.5	75.3	190.4	45.0	49.0
T ₅	4043	6079	68.4	67.1	225.6	45.0	48.8
T ₆	4423	7235	64.4	73.5	218.9	45.0	48.3
T ₇	1820	2559	60.3	55.1	190.4	45.0	49.5
T ₈	4228	6595	64.4	65.1	218.5	45.0	49.8
Mean	3660.6	5639.5	64.4	70.3	210.6	44.9	48.9
CD	469.9	745.2	3.7	5.5	15.5	2.6	2.7
CV (%)	8.7	9.0	4.0	5.3	5.0	3.9	3.8
Significance	S	S	S	S	S	N.S.	N.S.

Treatment	Cob length (cm)	Net returns (Rs./ha)	B:C ratio	PFSR affected plants (%)	Weed intensity at 40 DAS (m ²)	Weed intensity at harvest (m ²)
T ₁	17.1	33240	1.73	3.1	20.0	16.3
T ₂	18.9	45854	1.95	4.0	15.0	12.5
T ₃	17.5	42078	1.97	3.0	21.5	20.0
T ₄	16.6	18680	1.00	2.1	23.5	20.0
T ₅	16.1	37213	1.59	3.0	21.0	16.8
T ₆	17.5	44085	1.88	3.0	22.0	20.0
T ₇	15.2	4402	0.20	3.1	198.0	161.3
T ₈	17.4	40966	1.78	6.1	22.5	19.8
Mean	17.0	33314.6	1.51	3.4	42.9	35.8
CD	1.5	7122.3	0.32	0.8	7.5	7.4
CV (%)	6.1	14.5	14.6	16.1	11.9	14.1
Significance	S	S	S	S	S	S

Treatments:

- T₁ Farmer practice *
- T₂ Ecological Intensification (EI)**
- T₃ EI minus tillage practice (Conventional tillage without residue retention in all crops)
- T₄ EI minus Nutrient management (Absolute control for nutrients in all crops)
- T₅ EI minus Planting density (Farmer adopted genotype and density in all crops)
- T₆ EI minus Water management (Complete rainfed for maize and farmers practice for rest of the crops)
- T₇ EI minus Weed management (No weed management in all crops)
- T₈ EI minus Disease and insect management (No management in all crops)
- *T₉ RDF (120:60:40) No mulch (**Treatment apply only in Bajaura Center**)

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Table 118: Validation of sensor based nitrogen management in maize in Bajaura.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
T ₁	2541	4040	78.9	59.2	168.0	23.3	6228	1.23
T ₂	6127	8364	78.2	68.1	181.5	26.0	46474	2.38
T ₃	8490	11998	82.7	75.7	199.6	27.3	65245	2.41
T ₄	6213	8465	82.7	73.8	191.2	26.7	45601	2.28
T ₅	5861	8227	76.0	74.3	195.2	26.0	41944	2.20
T ₆	5860	8194	74.7	66.1	193.7	24.7	41429	2.17
T ₇	5523	7321	69.1	60.6	193.8	24.7	36772	2.04
T ₈	5477	7105	76.7	62.1	169.0	25.3	35996	2.02
T ₉	5556	7459	80.2	64.8	193.0	25.3	37140	2.05
T ₁₀	5845	8324	81.0	71.4	192.8	25.3	41420	2.17
T ₁₁	6136	8669	78.0	70.3	182.2	26.0	45134	2.27
T ₁₂	8340	12315	77.3	70.3	197.7	27.3	72281	2.92
Mean	5997.5	8373.4	78.0	68.0	188.1	25.7	42972.0	2.18
CD	555.7	872.1	7.2	5.4	9.1	2.1	7248.1	0.20
CV (%)	5.5	6.2	5.5	4.7	2.8	4.9	10.0	5.5
Significance	S	S	S	S	S	S	S	S

Treatment	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T ₁	38.2	11.7	13.9	13.1	26.3
T ₂	15.6	13.2	14.5	14.3	30.3
T ₃	11.3	13.2	15.0	14.8	32.0
T ₄	14.0	13.1	14.7	14.1	29.7
T ₅	21.9	13.5	14.1	13.7	30.0
T ₆	14.3	13.6	14.3	13.9	29.3
T ₇	16.7	13.2	14.4	14.1	30.0
T ₈	17.8	13.4	14.5	13.5	30.3
T ₉	16.0	13.6	14.5	13.8	30.3
T ₁₀	16.7	13.3	14.4	13.9	29.7
T ₁₁	10.0	12.7	14.1	14.2	30.0
T ₁₂	10.4	14.7	15.2	14.4	32.0
Mean	16.9	13.3	14.5	14.0	30.0
CD	12.8	1.4	0.9	1.1	3.3
CV (%)	44.6	6.1	3.6	4.6	6.4
Significance	S	N.S.	N.S.	N.S.	N.S.

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Table 119: Validation of Sensor based nitrogen management in maize in Ludhiana.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Days 50% tasselin g	Days 50% silking	Plant height (cm)	Barren plant/plot	Cob length (cm)	Cob girth (cm)	Grains rows/cob
T ₁	3230	4651	67.3	63.4	62.7	65.3	152.3	6.0	12.2	12.2	12.7
T ₂	5245	7344	71.3	69.8	60.0	62.3	197.7	2.3	15.6	13.0	13.2
T ₃	5874	8283	72.8	70.9	60.3	62.3	203.3	3.0	15.9	13.4	13.3
T ₄	5932	8364	74.0	72.2	59.7	58.3	207.7	2.7	16.1	13.4	13.5
T ₅	6004	8525	74.6	72.8	59.3	62.7	209.0	2.7	16.1	13.6	13.5
T ₆	4947	7026	71.1	69.3	59.3	62.0	197.3	2.7	15.4	12.8	13.2
T ₇	4826	6852	70.9	68.7	59.7	62.0	197.0	3.3	15.1	12.8	13.1
T ₈	4581	6506	69.1	67.1	60.3	63.0	193.3	3.0	14.8	12.6	13.1
T ₉	4481	6364	68.7	66.4	59.3	61.3	191.0	3.3	14.7	12.6	12.9
T ₁₀	5347	7592	71.7	69.5	60.0	62.0	201.7	3.3	15.4	13.0	13.3
T ₁₁	5528	7881	72.6	69.8	56.3	62.3	202.3	4.3	15.7	13.2	13.3
T ₁₂	5384	7969	71.5	69.8	60.3	62.3	215.7	2.7	16.3	13.6	13.9
Mean	5114.8	7279.8	71.3	69.1	59.8	62.2	197.4	3.3	15.3	13.0	13.2
CD	890.0	1271.7	7.2	6.9	3.7	3.6	27.0	2.1	1.6	0.9	0.8
CV (%)	10.3	10.3	5.9	5.9	3.6	3.4	8.1	37.1	6.2	4.1	3.6
Significance	S	S	N.S.	N.S.	N.S.	N.S.	S	N.S.	S	N.S.	N.S.

Table 120: Validation of Sensor based nitrogen management in maize in Pantnagar.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
T ₁	2927	7572	63.0	62.1	151.7	52.0	54.3	11.7	21371	1.05
T ₂	5032	9671	62.1	62.6	163.7	52.0	54.0	13.4	43461	1.54
T ₃	5861	9959	64.6	64.6	164.0	52.3	54.7	13.8	44475	1.14
T ₄	5211	9568	63.0	63.8	164.4	52.3	54.7	13.8	46973	1.72
T ₅	5079	9630	63.4	63.4	162.7	52.0	54.3	13.3	44364	1.58
T ₆	4799	9136	62.1	61.7	160.6	51.7	54.7	12.9	40356	1.44
T ₇	4659	9444	62.6	63.0	161.1	52.3	55.0	13.1	38522	1.38
T ₈	3650	8827	62.6	61.7	161.3	52.0	54.3	12.8	24025	0.86
T ₉	3627	8704	63.0	62.6	160.9	52.0	54.3	12.5	23659	0.84
T ₁₀	4991	9691	63.4	63.8	162.8	51.3	54.0	13.2	43210	1.55
T ₁₁	4916	9527	63.0	62.6	163.7	51.0	53.3	13.4	41963	1.49
T ₁₂	5843	10041	63.0	63.0	165.3	52.0	54.3	13.8	52676	1.72
Mean	4716.3	9314.1	63.0	62.9	161.9	51.9	54.3	13.1	38754.6	1.36
CD	1008.1	1406.3	3.0	3.2	10.5	1.4	1.8	0.7	14365.7	0.52
CV (%)	12.6	8.9	2.9	3.0	3.8	1.6	1.9	3.1	21.9	22.6
Significance	S	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	S	S	S

Cont...

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Treatments	Cob length (cm)	Cob girth (cm)	N uptake (kg/ha)		Total N uptake	P uptake (kg/ha)		Total P uptake
			Grain	Stover		Grain	Stover	
T ₁	11.6	11.7	33.7	24.8	58.5	6.0	6.1	12.1
T ₂	14.4	13.4	68.2	44.3	112.5	14.1	11.7	25.8
T ₃	14.8	13.8	81.2	52.0	133.2	19.6	15.0	34.6
T ₄	14.6	13.8	70.1	44.9	115.0	15.1	12.0	27.1
T ₅	13.7	13.3	66.8	39.5	106.3	15.6	9.8	25.4
T ₆	12.1	12.9	60.9	40.1	101.0	13.7	9.3	23.0
T ₇	12.9	13.1	61.6	39.0	100.6	14.3	9.4	23.8
T ₈	12.7	12.8	44.1	36.7	80.8	10.7	8.0	18.7
T ₉	12.8	12.5	43.9	35.5	79.4	10.4	8.1	18.5
T ₁₀	13.8	13.2	66.9	39.5	106.4	14.0	11.4	25.5
T ₁₁	14.2	13.4	65.5	43.2	108.7	14.9	9.6	24.5
T ₁₂	14.7	13.8	81.7	53.4	135.1	17.7	11.4	29.1
Mean	13.5	13.1	62.0	41.1	103.1	13.8	10.2	24.0
CD	1.4	0.7	17.5	14.2	19.6	5.9	3.9	6.2
CV (%)	6.1	3.1	16.6	20.4	11.2	25.4	22.8	15.4
Significance	S	S	S	S	S	S	S	S

Treatments	K uptake (kg/ha)		Total K uptake	Residual (kg/ha)		
	Grain	Stover		N	P	K
T ₁	7.2	55.6	62.9	253.2	21.1	154.1
T ₂	15.7	84.5	100.2	275.0	23.7	164.6
T ₃	23.4	105.1	128.4	288.5	26.5	181.4
T ₄	16.9	85.1	101.9	273.8	22.8	162.7
T ₅	14.7	82.5	97.2	269.8	23.6	165.4
T ₆	14.8	79.5	94.4	271.0	23.7	162.0
T ₇	16.0	82.4	98.4	265.0	23.2	163.7
T ₈	11.3	76.1	87.4	271.3	23.6	165.8
T ₉	10.3	77.8	88.1	272.9	23.5	165.7
T ₁₀	17.3	91.1	108.4	269.6	23.2	164.7
T ₁₁	16.8	85.2	102.0	271.7	23.3	163.6
T ₁₂	17.9	98.8	116.7	287.6	23.6	160.6
Mean	15.2	83.6	98.8	272.4	23.5	164.5
CD	6.2	17.1	18.0	12.5	2.6	14.9
CV (%)	24.3	12.1	10.8	2.7	6.5	5.3
Significance	S	S	S	S	N.S.	N.S.

Table 121: Validation of Sensor based nitrogen management in maize in Ranchi.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	Net return (Rs/ha)	B:C ratio
T ₁	1908	3695	2471	78.9	71.7	178.7	51.3	56.3	1356	0.05
T ₂	4508	7153	5428	79.2	78.1	222.3	47.7	51.0	31594	1.05
T ₃	5485	8204	6521	78.9	78.3	227.5	47.0	49.7	39573	1.12
T ₄	5105	7879	6069	79.2	78.3	225.6	47.3	50.3	38294	1.22
T ₅	4093	6666	4983	80.6	77.2	217.2	48.0	52.0	25985	0.87
T ₆	3706	6327	4594	80.3	76.4	208.7	49.0	53.3	21189	0.72
T ₇	3825	6429	4702	80.8	76.7	213.5	48.7	53.0	22769	0.77
T ₈	3531	5839	4397	80.8	75.8	200.2	49.7	54.3	18681	0.63
T ₉	3579	5881	4462	80.8	76.1	203.4	49.3	54.0	19354	0.65
T ₁₀	3963	6466	4833	81.1	77.2	215.8	48.3	52.3	24742	0.84
T ₁₁	4200	6797	5081	80.8	77.5	220.4	47.7	51.3	28020	0.95
T ₁₂	4942	7721	5947	80.3	78.1	224.2	47.3	50.7	35746	1.12
Mean	4070.4	6588.1	4957.2	80.1	76.8	213.1	48.4	52.4	25608.6	0.83
CD	594.1	904.7	684.6	2.7	7.4	16.8	2.6	2.1	8052.5	0.26
CV (%)	8.6	8.1	8.2	2.0	5.7	4.7	3.1	2.3	18.6	18.8
Significance	S	S	S	N.S.	N.S.	S	N.S.	S	S	S

Treatment	1000 grain weight (g)	Barrenness (%)	Cob length (cm)	Cob girth (cm)	Grains/row	Grain rows/cob	Grains/cob	Total uptake (kg/ha)			Available (kg/ha)		
								N	P	K	N	P	K
T ₁	289.2	9.2	11.8	11.3	20.8	11.3	227.6	43.6	6.6	41.7	241.9	23.9	251.8
T ₂	308.7	1.4	16.0	14.3	31.7	14.6	422.0	104.2	15.5	88.0	252.0	24.4	253.3
T ₃	314.1	0.7	16.9	15.0	33.6	15.6	464.9	125.6	18.8	104.3	257.4	26.9	268.6
T ₄	311.3	1.0	16.4	14.7	32.8	15.2	446.7	117.6	17.6	98.4	254.4	25.5	263.2
T ₅	304.4	4.1	16.0	14.2	30.7	14.1	402.4	94.1	14.0	80.6	243.4	24.7	254.5
T ₆	300.1	4.8	14.8	13.8	29.7	13.9	392.0	85.7	12.7	74.2	244.1	25.1	259.0
T ₇	301.3	5.2	15.0	14.0	30.1	14.1	394.9	88.3	13.1	76.1	243.4	24.9	258.7
T ₈	297.3	6.3	14.6	13.3	27.1	13.0	328.9	79.8	11.7	68.4	249.5	25.4	262.3
T ₉	298.7	5.8	14.7	13.6	29.0	13.2	387.3	81.4	11.9	69.4	244.5	25.2	259.6
T ₁₀	302.7	4.8	15.6	14.1	30.1	14.1	401.3	90.8	13.5	77.3	252.0	24.8	258.2
T ₁₁	307.7	4.1	16.0	14.3	30.8	14.1	408.0	97.3	14.4	82.8	250.2	24.5	253.4
T ₁₂	309.8	2.8	16.1	14.6	32.1	14.9	431.8	113.7	17.0	95.9	263.0	24.3	253.6
Mean	303.8	4.2	15.3	13.9	29.9	14.0	392.3	93.5	13.9	79.8	249.7	25.0	258.0
CD	29.4	8.8	1.5	1.4	2.8	1.3	50.0	13.7	1.9	10.5	22.5	2.1	16.5
CV (%)	5.7	124.5	5.9	5.7	5.6	5.6	7.5	8.6	8.1	7.8	5.3	5.1	3.8
Significance	N.S.	N.S.	S	S	S	S	S	S	S	S	N.S.	N.S.	N.S.

Table 122: Validation of Sensor based nitrogen management in maize in Hyderabad.

Treatments	Grain yield (kg/ha)	Strew yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	Days to maturity
T ₁	4795	4817	66.3	62.0	184.8	59.3	59.7	96.0
T ₂	7354	7777	75.0	77.1	209.1	57.3	59.3	98.7
T ₃	8887	9469	79.1	79.5	212.3	58.3	61.3	100.3
T ₄	7366	7748	71.2	73.9	208.5	58.3	60.3	96.0
T ₅	6840	7525	76.1	70.5	217.9	58.7	60.3	101.7
T ₆	7157	7698	73.7	74.1	208.2	58.0	60.3	99.0
T ₇	7010	7200	71.6	71.6	205.2	57.0	59.0	98.3
T ₈	6859	7080	74.8	72.8	223.1	56.7	58.7	98.0
T ₉	7237	7510	75.6	74.6	217.4	57.3	59.3	98.3
T ₁₀	7688	8927	77.9	77.9	207.0	57.7	62.0	99.7
T ₁₁	8038	9087	79.4	78.4	216.3	58.0	60.7	100.7
T ₁₂	9398	10240	80.9	79.9	228.9	60.0	62.0	102.7
Mean	7385.7	7923.1	75.1	74.4	211.6	58.1	60.3	99.1
CD	832.8	679.5	4.2	3.4	9.4	1.3	2.3	2.2
CV (%)	6.7	5.1	3.3	2.7	2.6	1.3	2.3	1.3
Significance	S	S	S	S	S	S	N.S.	S

Treatments	Cob length (cm)	Cob Girth (cm)	Grains rows/cob	Grains/row	100-grains weight (g)	Net Returns Rs./ha	BC Ratio
T ₁	14.9	13.0	12.0	27.3	19.7	26535	1.57
T ₂	16.7	14.0	13.5	38.8	25.7	59592	2.13
T ₃	17.9	14.8	14.3	41.0	28.7	80025	2.43
T ₄	15.6	13.6	13.5	32.4	24.7	58862	2.09
T ₅	15.3	13.2	12.7	31.0	23.3	51812	1.97
T ₆	16.4	14.2	13.0	34.4	26.0	56261	2.05
T ₇	16.7	13.9	13.4	35.2	25.3	53747	2.01
T ₈	16.2	14.4	13.3	39.2	28.0	51530	1.97
T ₉	17.0	14.2	13.6	37.8	29.0	57189	2.07
T ₁₀	17.3	14.5	13.6	37.2	28.0	65002	2.22
T ₁₁	17.9	14.4	14.2	38.5	29.0	70046	2.31
T ₁₂	18.6	15.0	14.5	40.2	32.0	89052	2.62
Mean	16.7	14.1	13.5	36.1	26.6	59971.1	2.12
CD	0.8	0.5	0.9	3.0	2.9	12187.7	0.23
CV (%)	2.9	2.0	3.7	4.9	6.4	12.0	6.3
Significance	S	S	S	S	S	S	S

Table 123: Validation of Sensor based nitrogen management in maize in Modipuram.

Treatment	Grain yield (kg/ha)	Straw yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Shelling (%)	Grain rows/cob	Grains/cob	1000 Grains weight (g)
T ₁	3156	3988	4317	66.4	71.5	14.3	370.8	299.6
T ₂	5378	7600	7358	66.7	74.4	14.5	464.9	340.9
T ₃	5402	7413	7390	67.4	72.8	14.4	466.7	336.7
T ₄	5274	7667	7214	67.5	74.6	14.7	469.7	347.9
T ₅	5800	7923	7935	65.6	71.6	14.3	500.4	328.0
T ₆	5367	7454	7342	66.8	75.8	14.6	456.2	338.0
T ₇	5319	7783	7277	66.7	74.4	14.2	463.0	339.2
T ₈	4948	7500	6769	67.4	71.3	14.2	406.6	335.8
T ₉	5194	7550	7105	68.3	72.9	14.6	427.2	323.4
T ₁₀	5502	7412	7526	68.2	70.2	14.4	448.9	330.8
T ₁₁	5449	7447	7454	68.6	73.1	14.3	464.5	339.0
T ₁₂	5625	8117	7695	68.2	74.2	14.1	477.4	329.1
Mean	5201.2	7321.1	7115.2	67.3	73.1	14.4	451.3	332.4
CD	542.9	1181.9	742.7	3.5	5.2	0.4	34.6	19.4
CV (%)	6.2	9.5	6.2	3.1	3.2	1.6	4.5	3.4
Significance	S	S	S	N.S.	N.S.	N.S.	S	S

Treatment details:

- T₁ Control
- T₂ RDF (1/3+1/3+1/3 N splitting at basal, knee high and tasseling)
- T₃ STCR (1/3+1/3+1/3 N splitting at basal, knee high and tasseling)
- T₄ Nutrient expert (1/3+1/3+1/3 N splitting at basal, knee high and tasseling)
- T₅ 33% basal N + Green Seeker based N at knee high & tasseling stage
- T₆ 60% basal N + Green Seeker based N at knee high
- T₇ 70% basal N + Green Seeker based N at knee high
- T₈ 60% basal N + Green Seeker based N at tasseling stage
- T₉ 70% basal N + Green Seeker based N at tasseling stage
- T₁₀ 30% Basal N + 30% at 25 DAS + Green Seeker based N at tasseling stage
- T₁₁ 35% Basal N + 35% at 25 DAS + Green Seeker based N at tasseling stage
- T₁₂ N rich strip (300:60:40) (1/3+1/3+1/3 N splitting at basal, knee high and tasseling)



PATHOLOGY

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Abbreviations used:

1. ALMO	Almora	10. HYDE	Hyderabad
2. DHAR	Dharwad	11. KALY	Kalyani
3. BAJA	Bajaura	12. KARN	Karnal
4. BARA	Barapani	13. LUDH	Ludhiana
5. COIM	Coimbatore	14. LARN	Larnoo
6. DELH	Delhi	15. MAND	Mandya
7. DHAU	Dhaulakuan	16. PANT	Pantnagar
8. DHOL	Dholi	17. UDAI	Udaipur
9. GODH	Godhra		

NHZ: - North Hill Zone (Almora, Bajaura, Barapani, Dhaulakuan, Larnoo); **NWPZ:** - North West Plain Zone (Delhi, Karnal, Ludhiana, Pantnagar); **NEPZ:** - North East Plain Zone (Dholi, Kalyani); **PZ:** - Peninsular Zone (Coimbatore, Dharwad, Hyderabad, Mandya); **CWZ:** - Central Western Zone (Godhra, Udaipur)

1. BLSB	Banded leaf and sheath blight	8. MLB	Maydis leaf blight
2. BSDM	Brown stripe downy mildew	9. P.Rust	Polysora rust
3. BSR	Bacterial stalk rot	10. PFSR	Post flowering stalk rot
4. C.Rot	Charcoal rot	11. RDM	Rajasthan downy mildew
5. C.Rust	Common rust	12. SDM	Sorghum downy mildew
6. CLS	Curvularia leaf spot	13. TLB	Turcicum leaf blight
7. FSR	Fusarium stalk rot	14. C.Nemat	Cyst Nematode
1. FS	Foliar spray	6. R	Resistant
2. ST	Seed treatment	7. MR	Moderately resistant
3. MPT	Maize Pathology Trial	8. MS	Moderately susceptible
4. MDR	Multiple disease resistance	9. S	Susceptible
5. HR	Highly Resistant	10. HS	Highly susceptible

Executive Summary

All India Coordinated Research Project on Maize (AICRPM) pathology trials for *Kharif* 2017 were finalized during 60th Annual Maize Workshop held at MPUAT, Udaipur (Rajasthan). A total of 32 trials (23 in *Kharif* 2017 and 9 in *Rabi* 2016-17) were conducted in sick plot /artificially created epiphytotics at identified hot spot locations and testing centres viz., Almora, Bajaura, Dhaulakuan, Larnoo, Barapani (AVTs, Rainfed, Specialty corn only) in NHZ; Delhi, Karnal, Ludhiana, Pantnagar in NWPZ; Dholi, Kalyani in NEPZ; Coimbatore, Dharwad, Hyderabad, Mandya in PZ and Udaipur, Godhra in CWZ. A total of 444 hybrids (345 in *Kharif* + 99 in *Rabi*) and 3758 inbred lines (2830 in *Kharif* + 928 in *Rabi*) were screened against Maydis leaf blight (MLB), Turicum leaf blight (TLB), Banded leaf and sheath blight (BLSB), Sorghum downy mildew (SDM), Rajasthan downy mildew (RDM), Curvularia leaf spot (CLS), Post-flowering stalk rots (PFSR) - Charcoal rot (C.Rot) & Fusarium stalk rot (FSR), Common rust (C.Rust), Polysora rust (P.Rust), Bacterial stalk rot (BSR) and Cyst nematode. Yield loss trials were conducted at Dhaulakuan (MLB), Kalyani (MLB), Dharwad (TLB), Mandya (SDM) Udaipur (RDM) and Godhra (CLS). Trap nursery trial for disease occurrence was conducted at Almora, Dhaulakuan, Delhi, Karnal, Ludhiana, Pantnagar, Dholi, Kalyani, Udaipur, Coimbatore, Dharwad, Hyderabad and Mandya centres. Disease surveys were conducted at farmer's fields in Himachal Pradesh (NHZ), Punjab and Uttarakhand (NWPZ), North Bihar (NEPZ), Tamil Nadu and Northern & Southern Karnataka (PZ), Rajasthan and Gujarat (CWZ) to assess overall disease scenario during the crop season. Management trials for development of integrated disease management (IDM) strategies in maize were conducted at Dhaulakuan, Delhi, Karnal, Ludhiana, Pantnagar, Kalyani, Coimbatore, Hyderabad, Dharwad, Udaipur and Godhra.

The summarized results of AICRPM Pathology trials conducted during testing periods are presented below:

A. Kharif 2017

MPT 1. Disease screening of maize hybrids in NIVT (late maturity)

Multi-location testing of 81 genotypes under this group was done (Table 1). Promising genotypes with disease resistance (DR) is mentioned as below:

S. No.	Genotype	Resistant				Moderately Resistant			
		NHZ	NWPZ	PZ	CWZ	NHZ	NWPZ	PZ	CWZ
1	CP 777	BLSB	MLB	-	CLS	TLB	C.Rot	TLB, C.Rot	RDM
2	OMH16-3	-	MLB	-	CLS	TLB, BLSB, BSR	C.Rot	TLB, C.Rot	RDM, C.Nemat
3	AH-1608	BLSB	-	-	CLS	TLB	MLB, BLSB, C.Rot	TLB, C.Rot	RDM
4	MFH 16-22	BLSB	MLB	-	CLS, RDM	TLB	-	TLB, C.Rot	-
5	JH 16081	BSR	MLB	-	CLS, RDM	TLB, BLSB	C.Rot	C.Rot	-
6	JH 16118	TLB, BLSB	MLB	TLB	RDM	BSR	BLSB, C.Rot	C.Rot, C.Rust	CLS
7	JKMH 150375	-	-	-	CLS, RDM	TLB	MLB, C.Rot	TLB, C.Rot, C.Rust	C.Nemat
8	CP 858	TLB	-	-	CLS	BLSB, BSR	MLB, C.Rot,	TLB, C.Rot,	RDM

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							BSR	C.Rust	
9	14561-010-04-01-03-3-2	BLSB	-	-	-	BSR	MLB	-	CLS
10	KH-2193	BLSB	MLB	TLB	RDM	TLB, BSR	C.Rot	C.Rot, C.Rust	CLS
11	BH 415017	TLB, BLSB, BSR	MLB, BSR	TLB	CLS	-	C.Rot	C.Rot	RDM
12	NS 8282	TLB, BLSB	-	-	-	BSR	MLB	TLB, C.Rot	CLS
13	GIN-04	TLB	MLB	-	CLS, RDM	-	-	TLB, C.Rot, C.Rust	
14	JH 16041	-	MLB	TLB	CLS	TLB, BLSB, BSR	C.Rot	C.Rot, C.Rust	RDM
15	KNMH-4513	BLSB	MLB	-	CLS	TLB, BSR	-	TLB, C.Rot	-
16	AH-8183	BLSB	-	TLB	CLS, RDM	TLB, BSR	MLB, BLSB, C.Rot	C.Rot	-
17	JH 16209	-	MLB, C.Rot	-	CLS, RDM	TLB	-	TLB, C.Rot	-
18	JH 16054	BLSB	MLB	-	CLS	TLB	BLSB, C.Rot	TLB, C.Rot	RDM
19	VEH-17-1	TLB	-	-	CLS	BLSB, BSR	MLB	TLB	RDM
20	MAH-2014-19	BLSB, BSR	MLB	TLB	CLS	TLB	-	C.Rot, C.Rust	RDM
21	PM17105L	BLSB	-	-	-	TLB	MLB, C.Rot	C.Rot	CLS, RDM
22	IMHBG-17K-25	TLB, BLSB	-	TLB	-	-	MLB, C.Rot	C.Rot	CLS, RDM
23	GH 160131	-	-	-	RDM	TLB, BLSB	MLB, C.Rot	TLB, C.Rot, C.Rust	CLS
24	OMH16-2	TLB, BLSB	MLB	C.Rot	CLS	BSR	C.Rot	TLB, C.Rust	RDM
25	JH 16046	BLSB	-	-	CLS	TLB, BSR	MLB, C.Rot	C.Rot	RDM
26	ADV 1390064	-	-	-	CLS, RDM	TLB, BLSB, BSR	MLB, C.Rot	TLB, C.Rot, C.Rust	-
27	DKC 9185 (IR8449)	TLB, BLSB, BSR	MLB	TLB, C.Rust	CLS	-	C.Rot, BSR	C.Rot	RDM, C.Nemat
28	DAS-MH-115	BLSB, BSR	MLB	-	CLS	TLB	C.Rot	C.Rot	RDM
29	IMHBG-17K-24	TLB	MLB	TLB, C.Rot	CLS, RDM	-	C.Rot	C.Rust	C.Nemat
30	16402-008-03-03	BLSB	-	-	CLS	-	MLB	C.Rot, C.Rust	-
31	AYN716443	TLB, BLSB	MLB	-	RDM	BSR	C.Rot	TLB, C.Rot,	CLS

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								C.Rust	
32	DKC9189 (IR8545)	BLSB, BSR	C.Rot	-	CLS, RDM	TLB	MLB	TLB, C.Rot, C.Rust	-
33	OMH16-1	BLSB, BSR	MLB	TLB	CLS	TLB	-	C.Rot	-
34	IIMRNH 1701	TLB, BLSB	C.Rot	-		BSR	MLB, BLSB	TLB, C.Rot	CLS, RDM
35	QMH-1420	TLB, BLSB	-	-	CLS	-	MLB, BLSB, C.Rot	TLB, C.Rot	RDM
36	BIO 218	BLSB, BSR	-	-	CLS, RDM	TLB	MLB, C.Rot, BSR	C.Rot	-
37	DAS-MH-114	-	MLB	-	CLS, RDM	TLB, BLSB, BSR	C.Rot, BSR	TLB, C.Rot	-
38	TA 5084	BLSB	MLB	-	CLS, RDM	TLB	-	TLB, C.Rot, C.Rust	-
39	JH 16031	TLB	MLB, C.Rot	TLB	CLS, RDM	BLSB	-	C.Rot, C.Rust	-
40	GH 160224	TLB, BLSB	-	-	-	BSR	MLB, C.Rot	TLB, C.Rot	CLS
41	KMH 463	TLB, BLSB	MLB	-	CLS	-	C.Rot, BSR	TLB, C.Rot, C.Rust	RDM
42	GK 3211	BLSB, BSR	-	-	RDM	TLB	MLB, C.Rot	TLB, C.Rot	CLS
43	CMH 14-720	TLB	MLB	-	RDM	BLSB, BSR	-	TLB, C.Rust	CLS
44	JH 13346	TLB	MLB, C.Rot	TLB, C.Rust	CLS, RDM	BLSB	BLSB	C.Rot	-
45	SVMH-66	TLB, BLSB	MLB	-	CLS, RDM	BSR	C.Rot, BSR	TLB, C.Rot, C.Rust	-
46	Rasi-2432	TLB, BLSB	MLB	TLB	-	BSR	C.Rot	C.Rot	CLS, RDM
47	IMHBG-17K-20	TLB, BLSB	C.Rot	TLB	CLS	BSR	MLB	C.Rot, C.Rust	RDM
48	REH 2015-7	-	-	-	CLS	-	MLB, C.Rot	C.Rust	RDM
49	JH 16040	-	-	-	CLS	TLB, BLSB	MLB, C.Rot	TLB, C.Rot	RDM
50	HT 17169	BLSB, BSR	MLB	TLB	CLS, RDM	TLB	C.Rot	C.Rot	-
51	CMH 15-005	TLB, BLSB, BSR	-	-	CLS	-	MLB, C.Rot	TLB, C.Rot	RDM, C.Nemat
52	Rasi-3499	BLSB, BSR	MLB	-	CLS	TLB	C.Rot	TLB, C.Rot, C.Rust	RDM, C.Nemat
53	KNMH-4410	-	-	C.Rot	CLS	TLB	MLB	TLB, C.Rust	RDM

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54	IIMRNH 1705	BLSB, BSR	MLB	TLB	CLS, RDM	TLB	-	C.Rot	-
55	QMH-1353	BLSB	MLB	-	CLS	TLB, BSR	BLSB, C.Rot, BSR	TLB, C.Rot	RDM
56	MAH-2014-3	TLB, BLSB	MLB	TLB	CLS	BSR	C.Rot	C.Rot, C.Rust	RDM
57	Super-1818	BLSB	MLB, C.Rot	TLB	RDM	TLB		C.Rot, C.Rust	CLS
58	DKC 9182 (IR8513)	TLB, BSR	MLB, BSR	TLB	CLS	BLSB	C.Rot	C.Rot	-
59	PM17104L	TLB, BLSB	-	TLB	CLS, RDM	BSR	MLB, C.Rot	C.Rot, C.Rust	C.Nemat
60	GH-1301	TLB	-	-	CLS	BLSB, BSR	MLB, C.Rot	C.Rot	RDM
61	TMMH 2840	BLSB	-	-	RDM	TLB, BSR	MLB, C.Rot	TLB, C.Rot	CLS
62	AH-1645	-	-	-	CLS, RDM	TLB, BLSB, BSR	MLB, BSR	TLB, C.Rot	-
63	VNR-35379	TLB, BLSB, BSR	MLB	TLB, C.Rust	CLS, RDM	-	C.Rot, BSR	C.Rot	-
64	IIMRNH 1703	BSR	MLB	-	CLS, RDM	TLB, BLSB	C.Rot	C.Rot	-
65	AMH-15119	TLB	C.Rot	TLB	CLS	BLSB, BSR	MLB	C.Rot, C.Rust	-
66	ADV 1390164	BLSB	MLB	TLB	CLS	TLB, BSR	BLSB, C.Rot	C.Rot, C.Rust	RDM
67	TS 2505	BLSB, BSR	-	-	CLS	TLB	MLB, C.Rot	TLB, C.Rot	-
68	NMH-4530	BSR	-	-	CLS	TLB	MLB, C.Rot	TLB, C.Rot, C.Rust	RDM
69	CMH 14-714	BLSB	MLB	C.Rot	-	TLB, BSR	C.Rot	TLB	CLS
70	PM17106L	TLB, BLSB, BSR	-	-	-	-	MLB, BLSB, C.Rot	TLB, C.Rot	RDM
71	JH 16034	-	-	TLB	CLS, RDM	TLB, BLSB	MLB, C.Rot	C.Rot, C.Rust	-
72	IMHBG-17K-23	TLB	MLB	TLB	-	-	C.Rot	C.Rot, C.Rust	CLS
73	B-57	BLSB	MLB	-	CLS, RDM	TLB	C.Rot	C.Rot	-
74	MFH 16-21	-	MLB	TLB	CLS, RDM	TLB	C.Rot	C.Rot	-
75	CCH 2829	-	-	C.Rot	CLS	TLB, BLSB, BSR	MLB, C.Rot	TLB	RDM
76	QMH-1347	BLSB	MLB, C.Rot	TLB, C.Rust	RDM	TLB, BSR	-	-	CLS
77	JH 13336	BLSB	MLB	TLB	-	TLB, BSR	BLSB, C.Rot	C.Rot	CLS, RDM

78	CMH 14-721	BLSB	-	TLB	-	TLB, BSR	MLB, C.Rot	-	CLS, RDM
79	20637-009-03-02	BLSB	-	C.Rot	CLS	BSR	-	C.Rust	-
80	PM17101L	-	MLB, BSR	C.Rust	CLS, RDM	TLB, BLSB, BSR	C.Rot	TLB, C.Rot	-
81	IIMRNH 1704	TLB, BLSB	-	TLB	-	BSR	MLB	C.Rot, C.Rust	CLS

MPT 2. Disease screening of maize hybrids in NIVT (medium maturity)

Multi-location testing of 97 genotypes under this group was done (Table 2). Promising genotypes with disease resistance (DR) is mentioned as below:

S. No.	Genotype	Resistant				Moderately Resistant			
		NHZ	NWPZ	PZ	CWZ	NHZ	NWPZ	PZ	CWZ
1	IMHBG-17K-7	-	MLB, BSR	TLB	CLS, RDM	TLB	-	C.Rot, C.Rust	-
2	HKH 364	-	BSR	C.Rot	CLS, RDM	TLB	MLB, BLSB, C.Rot	-	-
3	KMH 16-2	-	-	C.Rot	-	TLB	MLB	-	CLS
4	BLH 122	-	BSR	-	CLS, RDM	TLB	MLB, BLSB, C.Rot	C.Rot, C.Rust	-
5	AH 6017	-	BSR	-	CLS	TLB	MLB	TLB, C.Rot, C.Rust	
6	BLH 121	-	BSR	-	CLS	TLB	MLB, BLSB, C.Rot	TLB, C.Rot	RDM
7	LMH 1017	-	MLB, C.Rot, BSR	TLB, C.Rot	CLS	TLB	BLSB	C.Rust	RDM
8	KMH 16-1	-	-	-	CLS, RDM	-	MLB, BSR	-	-
9	IIMRNH 1702	-	-	TLB	CLS, RDM	TLB	MLB, BLSB	C.Rot	-
10	RCRMH3 (CAH156)	-	MLB, BSR	TLB, C.Rot	CLS, RDM	TLB	C.Rot	-	C.Nemat
11	BLH 120	-	MLB	-	RDM	TLB	C.Rot, BSR	TLB, C.Rot	CLS
12	VaMH 15036	-	MLB	-	-	TLB	BSR	TLB, C.Rot	CLS
13	ADV 140235	TLB	-	TLB, C.Rot	CLS	-	MLB, BSR	C.Rust, SDM	RDM
14	SYN716725	-	MLB	TLB, C.Rot	CLS, RDM	TLB, BSR	C.Rot, BSR	C.Rust	-
15	IMHBG-17K-19	-	MLB, BSR	TLB	CLS	TLB, BSR	BLSB, C.Rot	C.Rot, C.Rust	RDM
16	JH 16029		MLB, C.Rot	TLB	CLS, RDM	TLB	BLSB, BSR	C.Rot, C.Rust	-
17	AH-7067R	TLB	MLB, BSR	-	RDM	-	C.Rot	TLB, C.Rot, C.Rust	CLS

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18	IMHBG-17K-18	TLB	BSR	TLB, C.Rot	RDM	BSR	MLB, BLSB, C.Rot	-	CLS
19	BH 415158	TLB	MLB, BSR	TLB	CLS, RDM	-	C.Rot	C.Rot, C.Rust	-
20	HKH 361	-	BSR	-	-	-	MLB, C.Rot	C.Rot	CLS, RDM
21	UDMH-132	-	-	-	-	TLB	MLB	C.Rot	CLS, RDM
22	KH 103	-	MLB, BSR	C.Rot	-	TLB	C.Rot	-	CLS, RDM, C.Nemat
23	IMHBG-17K-3	-	-	-	CLS	TLB	MLB, BLSB, BSR	TLB, C.Rot, C.Rust	RDM
24	LMH 817	-	MLB	C.Rot	CLS	TLB	C.Rot, BSR	TLB	RDM
25	JASL-2033	-	MLB, BSR	C.Rot	CLS, RDM	TLB	-	-	-
26	IMHBG-17K-2	-	MLB	-	CLS	TLB	C.Rot	TLB, C.Rot	RDM
27	LMH 917	-	BSR	C.Rot	CLS	TLB	MLB, BLSB	TLB	-
28	IMHBG-17K-10	TLB	MLB, BSR	-	CLS	-	C.Rot	TLB, C.Rot, C.Rust	RDM
29	IMHBG-17K-12	-	-	TLB	CLS	TLB	MLB, BSR	C.Rot, C.Rust	RDM
30	UDMH-131	-	MLB	C.Rot	CLS, RDM	TLB	C.Rot, BSR	TLB	-
31	IMHBG-17K-4	-	BSR	-	CLS	TLB	MLB, C.Rot	TLB, C.Rot, C.Rust	RDM
32	IMHBG-17K-16	-	MLB	TLB, C.Rot	CLS	TLB	C.Rot, BSR	C.Rust	RDM
33	JH 16045	-	BSR	C.Rot	CLS, RDM	TLB, BSR	MLB, C.Rot	-	-
34	LMH1117	-	BSR	TLB	CLS	TLB	MLB, C.Rot	C.Rot	RDM
35	IMHBG-17K-14	-	BSR	TLB	CLS, RDM	TLB	MLB, C.Rot	C.Rot, C.Rust	-
36	AH 6008	-	-	-	CLS	TLB	MLB, C.Rot	C.Rot	-
37	KMH 16-40	-	-	-	CLS, RDM	TLB	-	C.Rot	-
38	MMH 16-11	TLB	BSR	-	CLS	-	MLB, C.Rot	TLB, C.Rot	RDM
39	K-27	-	BSR	-	CLS, RDM	TLB	MLB, C.Rot	C.Rot, C.Rust	-
40	IMHBG-17K-8	-	MLB, C.Rot	TLB	CLS	TLB	BSR	C.Rot, C.Rust	-
41	STAR-X-16	-	-	-	-	TLB	MLB	C.Rot	CLS
42	EH 2870	TLB	BLSB, BSR	TLB	CLS	-	MLB, BLSB	C.Rot, C.Rust	-

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							C.Rot		
43	STAR-X-20	-	MLB	-	-	TLB	C.Rot	TLB, C.Rot, C.Rust	RDM
44	EH 2898	TLB	BSR	TLB	CLS	-	MLB, BLSB, C.Rot	-	RDM
45	DAS-MH-311	-	MLB, BSR	TLB, C.Rot	CLS	TLB	C.Rot	-	-
46	BRMH-10 (CAH-1566)	-	MLB, BSR	TLB	CLS, RDM	TLB	C.Rot	C.Rot	-
47	AMH-14258	-	BLSB, BSR	-	CLS	TLB	MLB, C.Rot	TLB, C.Rot	-
48	HKH 363	-	MLB	-	-	TLB	BLSB, BSR	TLB, C.Rot, C.Rust	CLS
49	WH-1010	-	BSR	-	CLS	TLB	MLB, C.Rot	TLB, C.Rot	RDM, C.Nemat
50	NMH-51+	-	-	-	CLS	-	MLB	C.Rot	-
51	GK 3215	-	BSR	-	CLS, RDM	TLB	MLB	C.Rot, C.Rust	-
52	MMH 16-12	-	-	-	CLS, RDM	TLB	MLB, C.Rot	TLB, C.Rot	-
53	KMH 16-42	-	-	-	CLS	TLB	MLB, BSR	C.Rot, C.Rust	RDM
54	IMHBG-17K-13	-	BSR	-	CLS	TLB	MLB	TLB, C.Rot	RDM
55	PM17102M	-	BSR	C.Rot	CLS	TLB	MLB, C.Rot	-	RDM
56	KMH 16-29	-	-	-	-	TLB	MLB	C.Rot	CLS
57	BLH 119		BSR	-	CLS	TLB	MLB, C.Rot	TLB, C.Rot	RDM
58	DH-314	-	MLB	TLB, C.Rot	CLS, RDM	TLB	BSR	-	-
59	GK 3213	-	-	-	CLS, RDM	-	MLB, BSR	C.Rot	-
60	IMHBG-17K-21	-	-	-	RDM	TLB	MLB, C.Rot, BSR	TLB, C.Rot	CLS
61	PM17103M	-	-	-	CLS	TLB	MLB, C.Rot	C.Rot	-
62	IMHBG-17K-22	-	BSR	TLB, C.Rust	RDM	TLB	MLB, C.Rot	C.Rot	CLS
63	IMHBG-17K-6	TLB	MLB, BSR	TLB, C.Rot, C.Rust	CLS, RDM	BSR	C.Rot	-	-
64	JKMH 15303	-	-	C.Rot	-	TLB	MLB, BSR	TLB	CLS
65	NMH-4053	-	BSR	C.Rot	CLS, RDM	TLB, BSR	MLB, C.Rot	TLB, C.Rust	C.Nemat
66	CCH 1818	-	MLB	-	CLS	TLB	C.Rot, BSR	TLB, C.Rot, C.Rust	RDM

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67	HKH 362	-	BSR	C.Rot	CLS, RDM	-	MLB	-	-
68	16402-008-01-01-03-5-2	TLB	MLB, BSR	TLB, C.Rot	CLS, RDM	-	C.Rot	C.Rust	-
69	BLH 118	-	BSR	-	CLS	TLB	MLB, C.Rot	TLB, C.Rot	RDM
70	BH 415012	-	MLB	-	CLS, RDM	TLB	C.Rot	C.Rot	-
71	STAR-X-14	-	BSR	TLB	CLS	TLB	MLB,	C.Rot	RDM
72	NMH-4139	-	-	-	-	TLB	MLB, C.Rot, BSR	C.Rot	RDM
73	WH-1094	TLB	BLSB, BSR	TLB	-	-	MLB, BLSB, C.Rot	C.Rot	CLS, RDM
74	VaMH 15005	-	BSR	-	CLS	TLB	MLB, C.Rot	TLB, C.Rot	RDM
75	AH 6009	-	-	-	CLS	TLB	MLB, BLSB, C.Rot	TLB, C.Rot	-
76	IMHBG-17K-11	-	-	C.Rot	RDM	TLB	MLB	TLB	CLS
77	JH 32055	-	BSR	-	CLS, RDM	TLB	MLB	TLB, C.Rot	
78	IMHBG-17K-17	-	BSR	TLB	CLS	TLB	MLB	C.Rot, C.Rust	RDM
79	IMHBG-17K-1	-	MLB	C.Rot	CLS	TLB	C.Rot, BSR	TLB	RDM
80	DKC7181 (IR8003)	TLB	MLB, BSR	-	CLS	-	C.Rot	TLB, C.Rot	-
81	AH 6007	-	-	-	CLS	TLB	MLB	TLB, C.Rot, C.Rust	RDM
82	REH 2013-21	-	BSR	-	CLS	TLB	MLB, BLSB, C.Rot	TLB, C.Rot, C.Rust	RDM
83	GH 160295	TLB	MLB, C.Rot, BSR	TLB, C.Rust	CLS	-	BLSB	C.Rot	RDM
84	IMHBG-17K-9	-	BSR	-	CLS	TLB	MLB, BLSB, C.Rot	TLB, C.Rot, C.Rust	-
85	RCRMH 4-1	-	BSR	-	-	TLB	C.Rot	TLB, C.Rot	CLS
86	BH 415100	-	MLB, BSR	-	CLS	TLB	-	TLB, C.Rot	RDM
87	GIN-03	-	MLB, BSR	-	RDM	TLB	C.Rot	TLB, C.Rot	CLS, C.Nemat
88	ADV 140187	-	-	-	CLS, RDM	TLB	MLB, C.Rot, BSR	TLB	-
89	KMH 16-25	-	-	-	-	TLB	MLB	C.Rot	CLS, RDM
90	AH-1606	TLB	MLB, BSR	C.Rot	CLS	-	BLSB	TLB, SDM	RDM

91	DKC8181 (IR8004)	-	MLB, BSR	TLB, C.Rot	CLS	TLB, BSR	BLSB, C.Rot	-	RDM
92	IMHBG-17K-5	TLB	MLB, BSR	TLB, C.Rot	CLS	-	C.Rot	-	RDM
93	IMHBG-17K-15	-	MLB, BSR	-	CLS, RDM	TLB	BLSB	TLB, C.Rot	-
94	BLH 117	-	MLB, BSR	-	CLS	TLB	BLSB, C.Rot	TLB, C.Rot	RDM
95	STAR-X-18	-	-	-	RDM	TLB	MLB, BLSB, C.Rot, BSR	TLB, C.Rot, C.Rust	CLS
96	REH 2013-15	-	BSR	C.Rot	CLS	-	MLB, C.Rot	TLB, C.Rust	RDM
97	OMH16-4	-	BLSB	TLB	-	TLB	MLB, C.Rot, BSR	C.Rot	CLS

MPT 3. Disease screening of maize hybrids in NIVT (early maturity)

Multi-location testing of 35 genotypes under this group was done (Table 3). Promising genotypes with disease resistance (DR) is mentioned as below:

S. No.	Genotype	Resistant				Moderately Resistant				
		NHZ	NWPZ	PZ	CWZ	NHZ	NWPZ	NEPZ	PZ	CWZ
1	DH-312	BSR	-	-	-	-	MLB	-	C.Rot, C.Rust	CLS, RDM
2	JH 32010	TLB	MLB	-	CLS, RDM	BSR	C.Rot, BSR	-	TLB, C.Rot, C.Rust	-
3	JH 31968	-	MLB, BSR	-	CLS	BSR	C.Rot	-	C.Rot, C.Rust	RDM
4	KMH 16-21	-	-	-	CLS, RDM	BSR	MLB	-	C.Rot, C.Rust	-
5	FH 3816	TLB	-	-	CLS	-	MLB	-	TLB, C.Rot, C.Rust	RDM
6	Filler	-	-	TLB	CLS	TLB, BSR	MLB	-	C.Rot, C.Rust	RDM
7	LMH 717	-	-	-	CLS, RDM	BSR	MLB	-	C.Rot, C.Rust	-
8	Syngenta EXIM	-	-	SDM	CLS	-	MLB, C.Rot	-	C.Rot, C.Rust	-
9	IH-1002	-	BSR	-	RDM	TLB, BSR	MLB, BLSB, C.Rot	-	TLB, C.Rot, C.Rust	-
10	IH-1404	-	-	-	CLS, RDM	-	MLB, BSR	-	C.Rot, C.Rust	-
11	AH-7188	-	-	-	CLS, RDM	TLB, BSR	MLB, BSR	-	TLB, C.Rot, C.Rust	-
12	KMH 16-9	-	-	-	CLS, RDM	BSR	MLB, BSR	-	C.Rot, C.Rust	-
13	MEH 16-1	-	-	C.Rust	CLS	TLB, BSR	MLB	-	TLB, C.Rot	RDM

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14	DH-313	-	BSR	-	CLS	TLB	MLB, C.Rot	-	C.Rot, C.Rust	RDM
15	WH-2212	-	-	-	CLS	BSR	MLB	MLB	C.Rot, C.Rust	RDM
16	IH-1201	-	-	-	CLS, RDM	BSR	MLB, C.Rot	-	C.Rot, C.Rust	-
17	EH 2878	-	-	-	CLS	TLB	MLB, C.Rot, BSR	-	TLB, C.Rot, C.Rust	RDM
18	Azad Kanti	-	-	-	RDM	-	MLB, C.Rot	-	C.Rot, C.Rust	CLS
19	DH-311	-	-	-	CLS, RDM	-	MLB, C.Rot	-	C.Rust	-
20	JH 31947	-	MLB	TLB, C.Rust	CLS	TLB	C.Rot	MLB	C.Rot	RDM
21	KMH 16-19	-	-	-	RDM	BSR	MLB	-	C.Rot, C.Rust	CLS
22	FH 3823	BSR	-	C.Rust	CLS, RDM	TLB	MLB, C.Rot	-	TLB, C.Rot	
23	MEH 16-2	-	-	-	CLS	TLB	MLB	-	C.Rot, C.Rust	RDM
24	KMH 16-23	-	MLB	-	CLS, RDM	-	-	MLB	C.Rot, C.Rust	-
25	LMH 1115	-		TLB	CLS	TLB	MLB	-	C.Rot, C.Rust	-
26	AH-7080	-	MLB	TLB	CLS	TLB, BSR	C.Rot	-	C.Rot, C.Rust	RDM
27	REH 2013-19	-	-	-	CLS	-	MLB, C.Rot	-	C.Rot,	RDM
28	VNR-32943	-	-	-	CLS	BSR	MLB, C.Rot	MLB	C.Rot, C.Rust	RDM
29	AH 9003	BSR	MLB	-	CLS, RDM	TLB	C.Rot	-	TLB, C.Rot, C.Rust	-
30	REH 2013-17	-	BSR	-	CLS, RDM	TLB, BSR	MLB, C.Rot	-	TLB, C.Rot, C.Rust	C.Nem at
31	IH-0652	-	-	-	RDM	TLB, BSR	MLB, C.Rot, BSR	-	C.Rot, C.Rust	CLS
32	FH 3837	-	-	C.Rust	CLS, RDM	TLB	MLB	-	TLB, C.Rot	-
33	EH 2891	-	MLB	-	CLS	TLB	BLSB, C.Rot	-	TLB, C.Rot, C.Rust	RDM
34	JH 31983	-	MLB, BSR	-	CLS, RDM	BSR	-	-	C.Rot, C.Rust	-
35	JH32013	BSR	MLB, BSR	C.Rust	CLS	TLB	C.Rot	-	TLB, C.Rot	RDM

MPT 4. Disease screening of maize hybrids in AVT-I-II (late maturity)

Multi-location testing of 21 genotypes under this group was done (Table 4). Promising genotypes with disease resistance (DR) is mentioned as below:

S. No.	Genotype	Resistant				Moderately Resistant				
		NHZ	NWPZ	PZ	CWZ	NHZ	NWPZ	NEPZ	PZ	CWZ
AVT-I-L										
1	GK 3204	TLB, BLSB, BSR	-	TLB	-	-	MLB	-	C.Rot, C.Rust	CLS, RDM
2	DH-300	BLSB	-	-	CLS, RDM	TLB	MLB, C.Rot	-	TLB, C.Rot	
3	MM 2626	BLSB	-	-	CLS	TLB	MLB, C.Rot	-	TLB, C.Rot	RDM
4	HT 16607	BLSB	MLB	TLB	-	TLB	BLSB, C.Rot	-	C.Rot, C.Rust	CLS, RDM, C.Nem at
5	DKC 9178 (IQ8623)	TLB, BLSB	MLB	C.Rot	CLS	-	C.Rot	-	TLB	RDM, C.Nem at
6	GK 3202	TLB, BLSB	MLB	TLB, C.Rust	CLS		C.Rot		C.Rot	RDM
7	BIO 274	BLSB	-	C.Rot	CLS	TLB, BSR	MLB, C.Rot	MLB	TLB	RDM
8	STAR-X-6	BLSB	-	-	CLS	TLB, BSR	MLB, C.Rot	-	C.Rot	
9	NS 8001	-	MLB	-	CLS	TLB, BLSB, BSR	C.Rot	MLB	TLB, C.Rot, C.Rust	RDM
10	JH 13023	TLB, BLSB, BSR	C.Rot	C.Rot, SDM	CLS	-	MLB, BLSB, BSR	-	TLB	RDM
11	PM16103L	BLSB, BSR	-	-	CLS	TLB	MLB, C.Rot, BSR	MLB	C.Rot, C.Rust	-
12	JH 15080	TLB, BLSB, BSR	-	-	CLS	-	MLB, C.Rot	-	TLB, C.Rot, C.Rust	RDM
13	CMH11-583	BLSB	-	C.Rot	CLS	TLB	MLB	-	TLB	RDM
14	OMH 14-16 (CAH1424)	BLSB, BSR	MLB	TLB	CLS	TLB	-	-	C.Rot, C.Rust	RDM
15	IMH 1527	TLB, BLSB	-	TLB		BSR	MLB	-	C.Rot	CLS, RDM
16	VaMH 13024	TLB, BLSB	MLB	-	CLS	BSR	-	-	TLB, C.Rot, C.Rust	RDM
17	BIO 716	BLSB	-	C.Rot		TLB, BSR	MLB, C.Rot	-	TLB	CLS
18	OMH 1462 (CAH 142)	TLB, BLSB	-	TLB	CLS	BSR	MLB, C.Rot	-	C.Rot	RDM
19	JKMH 4152	BLSB	-	-	CLS	TLB	MLB, C.Rot	MLB	C.Rot	RDM
AVT-II-L										

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20	DKC(9164) IP9002	BLSB, BSR	MLB	C.Rot	CLS	TLB	C.Rot	-	TLB, C.Rust	-
21	ADV 7022	TLB, BLSB, BSR	-	-	CLS, RDM	-	MLB, C.Rot	-	TLB, C.Rot, C.Rust	-

MPT 5. Disease screening of maize hybrids in AVT-I-II (medium maturity)

Multi-location testing of 23 genotypes under this group was done (Table 5). Promising genotypes with disease resistance (DR) is mentioned as below:

S. No.	Genotype	Resistant				Moderately Resistant				
		NHZ	NWPZ	PZ	CWZ	NHZ	NWPZ	NEPZ	PZ	CWZ
AVT-I-M										
1	JKMH 4157	BLSB	-	-	CLS, RDM	TLB, BSR	MLB, C.Rot	-	C.Rot	-
2	LMH 1216	TLB, BLSB	MLB	-	CLS, RDM	BSR	BLSB, C.Rot	-	TLB, C.Rot	C.Nem at
3	KH-2001 GOLD	BLSB	-	-	CLS, RDM	TLB	MLB, C.Rot	-	C.Rot	-
4	JKMH 1414	BLSB	MLB	-	RDM	TLB	C.Rot	-	C.Rot	CLS
5	IMHBG-2016-6	TLB	MLB	-	CLS	BLSB, BSR	C.Rot, BSR	-	TLB, C.Rot	RDM
6	DKC (7173) IQ 7802	BLSB, BSR	-	-	CLS	TLB	MLB, C.Rot	-	C.Rot	RDM
7	DMRH1419	BLSB	-	-	CLS	TLB, BSR	MLB, C.Rot, BSR	-	C.Rot	RDM
8	BH 414176	BLSB	-	-	CLS, RDM	TLB,BS R	MLB, C.Rot	-	C.Rot	-
9	DKC 9179 (IQ8627)	BLSB, BSR	MLB	C. Rust	CLS	TLB	C.Rot, BSR	-	TLB, C.Rot	RDM
10	LMH 616	BLSB, BSR	C.Rot	-	CLS, RDM	TLB	MLB, BLSB, BSR	-	TLB, C.Rot	-
11	OMH 14-18 (CAH 1519)	BLSB	-	C.Rot	CLS	TLB	MLB, C.Rot	-	TLB	RDM
12	LMH 1116	TLB, BLSB, BSR	MLB	-	CLS	-	C.Rot	-	C.Rot	RDM
13	BLH 111	BLSB, BSR	-	C.Rot	CLS	TLB	MLB, C.Rot	-	-	RDM
14	CCH 9999	BLSB	MLB	-	CLS	TLB, BSR	C.Rot	-	-	RDM
15	DMRH 1410	BLSB, BSR	MLB	C.Rot	CLS	TLB	C.Rot, BSR	-	-	RDM
16	IMHBG-2016-4	TLB, BLSB, BSR	MLB	-	RDM	-	C.Rot	-	TLB, C.Rot	CLS
17	IMH 1603	BLSB	MLB, BSR	-	CLS, RDM	TLB, BSR	C.Rot	-	C.Rot	-
18	RCRMH 2	BLSB	MLB	-	CLS, RDM	TLB, BSR	C.Rot	-	TLB, C.Rot, C.Rust	-
19	IMH 1527	BLSB,	-	C.Rot	CLS	TLB	MLB,	-	TLB	RDM

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		BSR					C.Rot			
20	DKC 8174 (IQ8319)	BLSB	MLB	C.Rot	-	TLB, BSR	C.Rot	MLB	-	CLS, RDM
AVT-II-M										
21	VaMH 12014	TLB, BLSB	MLB	-	CLS, RDM	BSR	C.Rot	-	TLB, C.Rot	-
22	JKMH 4103	BLSB	-	-	CLS	-	MLB, C.Rot	-	C.Rot	RDM
23	JH 13347	BLSB	MLB	-	CLS	TLB, BSR	C.Rot, BSR	-	C.Rot	RDM

MPT 6. Disease screening of maize hybrids in AVT-I-II (early maturity)

Multi-location testing of 11 genotypes under this group was done (Table 6). Promising genotypes with disease resistance (DR) is mentioned as below:

S. No.	Genotype	Resistant			Moderately Resistant					
		NHZ	PZ	CWZ	NHZ	NWPZ	NEPZ	PZ	CWZ	
AVT-I-E										
1	JH 31816	BLSB	P.Rust	CLS, RDM	BSR	MLB	-	C.Rot	-	
2	KH-102	-	P.Rust	CLS, RDM	BLSB	C.Rot	-	C.Rot	-	
3	FH 3768	-	P.Rust	CLS	TLB, BSR	MLB		TLB, C.Rot	RDM	
4	KDMH-103* (NIVT-STATE)	-	-	CLS	-	-	-	P.Rust	-	
5	H-64* (NIVT-STATE)	-	P.Rust	CLS	TLB, BLSB, BSR	MLB, BLSB	-	TLB, C.Rot, C.Rust	RDM	
6	FH 3765	BLSB	P.Rust (HR)	CLS	TLB	MLB, BSR	-	TLB, C.Rot	-	
7	H-100* (NIVT-STATE)	-	P.Rust	-	BLSB	-	-	CLS	CLS	
8	FH 3771	-	P.Rust	CLS	TLB, BLSB	MLB, BLSB	MLB	TLB, C.Rot	RDM	
AVT-II-E										
9	DMRH 1305	-	-	CLS	TLB, BLSB, BSR	BLSB	-	TLB, C.Rot, P.Rust	-	
10	JKMH 4222	-	C.Rot	CLS, RDM	BLSB, BSR	MLB	-	-	-	
11	FH 3754	-	P.Rust	RDM	TLB, BLSB	MLB		C.Rot	CLS	

MPT 7. Screening of specialty (Sweet corn-I-II-III) maize hybrids

Multi-location testing of 11 genotypes under this group was done (Table 7). Promising genotypes with disease resistance (DR) is mentioned as below:

S. No.	Genotype	Resistant			Moderately Resistant				
		NHZ	PZ	CWZ	NHZ	NWPZ	NEPZ	PZ	CWZ
1	ASKH-4	-	-	-	-	BLSB	-	-	RDM
2	Nuzi 260	-	-	CLS	TLB, BSR	MLB, BLSB	-	P. Rust	C.Nemat
3	BSCH 6	-	P. Rust (HR)	CLS	TLB, BSR	-	MLB	TLB	RDM
4	MITHAS	-	-	-	TLB, BSR	MLB, BSR	-	P. Rust	CLS
5	ASKH-1	-	P. Rust	RDM,	BSR	BLSB	-	-	-

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				CLS					
6	ASKH-61	BSR	P. Rust	CLS	-	-	MLB	-	C.Nemat
7	FSCH 75	-	-	RDM, CLS	TLB	BLSB	-	TLB, C.Rot, P. Rust	-
8	FSCH 98	-	-	RDM, CLS	TLB, BSR	-	-	P. Rust	-
9	NSCH-130	-	P. Rust	-	-	MLB, BLSB	-	-	CLS, RDM
10	Madhula	-	-	RDM, CLS	TLB, BSR	BLSB	-	TLB, C.Rot, P. Rust	-
11	BIO 4043	-	P. Rust	RDM, CLS	TLB, BSR	MLB, BLSB	-	-	-

MPT 8. Screening of specialty (Baby corn-I-II-III) maize hybrids

Multi-location testing of 10 genotypes under this group was done (Table 8). Promising genotypes with disease resistance (DR) is mentioned as below:

S. No.	Genotype	Resistant					Moderately Resistant				
		NHZ	NWPZ	NEPZ	PZ	CWZ	NHZ	NWPZ	NEPZ	PZ	CWZ
1	AH-7043	BLSB, BSR	MLB	MLB	-	-	TLB	C.Rot	-	C.Rot	CLS, RDM
2	MBC 11-15	BLSB	-	-	-	CLS	TLB	C.Rot	-	TLB, C.Rot	RDM
3	IMHB 1538	BLSB	-	-	-	CLS	TLB	-	MLB	C.Rot	RDM
4	GAYMH-1	BLSB	-	-	-	CLS	TLB, BSR	MLB, C.Rot	MLB	C.Rot	RDM
5	IMHB 1529	BLSB	-	-	-	CLS	TLB	MLB, C.Rot	MLB	TLB, C.Rot	RDM
6	PAC 321	TLB	-	-	TLB	CLS, RDM	BLSB, BSR	MLB	MLB	C.Rot, C. Rust	-
7	IMHB 1532	BLSB	-	-	TLB	CLS, RDM	TLB, BSR	MLB, C.Rot	-	C.Rot	-
8	IMHB 1539	BLSB	-	-	-	-	TLB	-	-	TLB, C.Rot	CLS, RDM
9	DMRHB 1305	BLSB, TLB	-	-	-	CLS	-	-	MLB	TLB, C.Rot	RDM
10	AHB 6005	-	-	-	-	CLS	TLB, BLSB, BSR	MLB	MLB	-	-

MPT 9. Screening of specialty (Pop corn-I-II-III) maize hybrids

Multi-location testing of 13 genotypes under this group was done (Table 9). Promising genotypes with disease resistance (DR) is mentioned as below:

S. No.	Genotype	Resistant		Moderately Resistant			
		PZ	CWZ	NHZ	NWPZ	PZ	CWZ
1	IMHP-1535	P.Rust	CLS	-	C.Rot	C.Rot	-
2	APCH-1	P.Rust	CLS	TLB	C.Rot	C.Rot	RDM
3	IHPC-1203	P.Rust	CLS	TLB, BSR	C.Rot	C.Rot	-
4	DPCH-306	P.Rust	CLS	TLB	C.Rot	TLB, C.Rot	-
5	IHPC-1201	P.Rust	CLS	-	-	-	-
6	BPCH 415042	P.Rust	CLS	TLB	-	C.Rot, C.Rust	-

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7	REPCH 2015-1	-	CLS	-	-	C.Rot, P.Rust	-
8	Zea Maize DZ 50	P.Rust	CLS	-	MLB	TLB, C.Rot, C.Rust	-
9	SJPCI	P.Rust	CLS	TLB	C.Rot	C.Rot, C.Rust	-
10	IMHP-1540	-	CLS	TLB	C.Rot	TLB	-
11	REPCH 2015-2	-	-	TLB	BLSB, C.Rot	C.Rot, P.Rust	CLS, RDM
12	MPC 1-15	P.Rust	CLS, RDM	TLB	C.Rot	C.Rot	-
13	Shalimar Popcorn -1	P.Rust	CLS	-	C.Rot	-	-

MPT 10. Screening of specialty (QPM-I-II-III) maize hybrids

Multi-location testing of 38 genotypes under this group was done (Table 10). Promising genotypes with disease resistance (DR) is mentioned as below:

S. No.	Genotype	Resistant				Moderately Resistant			
		NHZ	NWPZ	PZ	CWZ	NHZ	NWPZ	PZ	CWZ
1	IIMRQPMH 1711	-	-	C.Rot, P.Rust	CLS	TLB, BLSB, BSR	MLB, C.Rot	TLB, C.Rust	
2	DQH 111	BSR	-	P.Rust	-	TLB, BLSB	MLB	TLB, C.Rot	CLS, RDM
3	BQPMH 16	-	-	P.Rust	-	TLB, BLSB, BSR	MLB	TLB, C.Rot	CLS, RDM
4	IIMRQPMH 1704	TLB	-	TLB, C.Rot	CLS	BLSB, BSR	MLB, C.Rot	P.Rust	RDM
5	IIMRQPMH 1609	-	-	TLB, P.Rust	CLS	TLB, BLSB	MLB, C.Rot	C.Rot, C.Rust	RDM
6	APQH-5	-	-	-	-	TLB, BLSB	MLB	TLB, C.Rot, C.Rust, P.Rust	CLS, RDM
7	LQPMH 415	-	-	P.Rust	CLS	TLB, BLSB	MLB	TLB, C.Rot	-
8	IIMRQPMH 1508	BLSB	-	C.Rot, P.Rust	-	TLB, BSR	MLB, C.Rot	TLB, C.Rust	CLS, RDM, C.Nemat
9	IIMRQPMH 1708	BLSB	-	TLB	-	TLB, BSR	MLB, C.Rot, BSR	C.Rot, P.Rust	CLS, RDM
10	IIMRQPMH 1701	TLB	-	-	CLS	BLSB, BSR	MLB	TLB, C.Rot, P.Rust	RDM
11	VEQH-16-1	-	-	P.Rust	CLS	TLB, BLSB, BSR	MLB	TLB, C.Rot	RDM
12	IIMRQPMH 1712	-	-	TLB, C.Rot, P.Rust	CLS	TLB, BLSB	MLB, BSR	C.Rust, C.Rust	RDM
13	APH-1	TLB	-	TLB, P.Rust	CLS	BLSB, BSR	MLB, C.Rot, BSR	C.Rot	RDM
14	APQH-7	TLB, BLSB	-	TLB, P.Rust	CLS, RDM	BSR	MLB	C.Rot, C.Rust	C.Nemat
15	EHQ 64		-	TLB	RDM	TLB, BLSB	MLB, C.Rot	C.Rot	CLS
16	IIMRQPMH 1710	BLSB	-	TLB,	CLS	TLB, BSR	MLB,		

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				C.Rot, P.Rust			C.Rot		
17	QPM MH 27	TLB	-		CLS	BLSB, BSR	MLB, C.Rot	TLB, C.Rot, P.Rust	RDM
18	IIMRQPMH 1602	TLB	BSR	TLB, P.Rust	CLS, RDM	BLSB, BSR	MLB	C.Rot	C.Nemat
19	IIMRQPMH 1603		-	TLB, C.Rot	CLS, RDM	TLB, BLSB, BSR	MLB, BLSB, C.Rot	P.Rust	
20	IIMRQPMH 1705		BSR	C.Rot	-	TLB, BLSB, BSR	MLB	TLB, P.Rust	CLS, RDM
21	DQH 112		-	P.Rust	-	TLB, BLSB	MLB	TLB, C.Rot	CLS, RDM
22	OQPMH-14191		BSR	C.Rot, P.Rust	-	TLB, BLSB	MLB, C.Rot	TLB, C.Rust	CLS, RDM
23	IIMRQPMH 1702		-	P.Rust (HR)	CLS	TLB, BLSB	MLB, C.Rot	C.Rot	RDM
24	QPM MH 30	TLB	-	TLB, P.Rust	CLS	BLSB	MLB	C.Rot	RDM
25	IIMRQPMH 1608		-	TLB	CLS	TLB, BLSB	MLB	C.Rot, P.Rust	RDM
26	IIMRQPMH 1610		-	P.Rust	CLS	BLSB	MLB	TLB, C.Rot	RDM
27	IIMRQPMH 1706	TLB	-	TLB	CLS	BLSB	MLB, C.Rot	C.Rot, P.Rust	RDM
28	FQH 106	TLB	-		RDM	BLSB, BSR	MLB	TLB, C.Rot	CLS
29	IIMRQPMH 1703	BLSB	-	P.Rust	CLS	TLB, BSR	MLB	C.Rot, C.Rust	
30	IIMRQPMH 1605	TLB	-	TLB, C.Rot, P.Rust	-	BLSB	MLB, C.Rot		CLS, RDM
31	IIMRQPMH 1713		-	P.Rust	-	TLB, BLSB, BSR	MLB	TLB, C.Rot	RDM
32	OPQMH 15-1	TLB	-	TLB, C.Rot	-	BSR	MLB, C.Rot, BSR	P.Rust	CLS, RDM
33	IIMRQPMH 1601		-	P.Rust	-	TLB, BLSB, BSR	MLB, BSR	TLB, C.Rot	CLS, RDM
34	IIMRQPMH 1709	TLB	C.Rot	TLB, P.Rust	CLS, RDM	BLSB	MLB	C.Rot	
35	IMHQPM 1530	-	-		CLS, RDM	TLB, BLSB	MLB, BSR	TLB, C.Rot, P.Rust	
36	IIMRQPMH 1707	-	-	TLB, P.Rust	CLS, RDM	TLB, BLSB	MLB, C.Rot, BSR	C.Rot, C.Rust	
37	IIMRQPMH 1606	TLB, BLSB	-	TLB	CLS	BSR	MLB, C.Rot, BSR	C.Rot, P.Rust	RDM
38	APH 27	TLB	-	P.Rust	CLS	BLSB, BSR	MLB	TLB, C.Rot	RDM

MPT 11. Disease screening of AVT-I (Rainfed) maize hybrids

Multi-location testing of 5 genotypes under this group was done (Table 11). Promising genotypes with disease resistance (DR) is mentioned as below:

S. No.	Genotype	Resistant				Moderately Resistant			
		NHZ	NWPZ	PZ	CWZ	NHZ	NWPZ	PZ	CWZ
1	GK 3206	TLB	MLB		RDM, CLS	BLSB	BLSB, C.Rot	TLB, C.Rot, C. Rust	
2	RCRMH-4 (CAH1525)	TLB, BLSB		C.Rot	RDM	BSR	MLB, BSR, C.Rot	TLB	CLS
3	IMH1618	TLB, BLSB	MLB		RDM, CLS	BSR		TLB, C.Rot	
4	IMH 1533	BLSB			RDM, CLS	TLB, BSR	MLB	TLB, C.Rot, C. Rust	
5	OMH14-27	TLB, BLSB	BSR		RDM, CLS	BSR	MLB, C.Rot	TLB, C.Rot	

MPT 12-15. Disease screening of maize germplasm lines (Normal, QPM, Association mapping panel and Mapping populations)

- i. Screening of association mapping panel against different diseases of maize**
Association mapping panel of 296 lines were evaluated against TLB, C. Rot, C. Rust and P. Rust at hot spot locations. The promising ones are given in Table 12.
- ii. Screening of mapping populations (M-15 & M-16)**
Mapping populations of 325 (M-15) and 324 (M-16) lines were screened against MLB at hot spot locations and promising ones are given in Table 13 and Table 14, respectively.
- iii. Multi-location phenotyping trial for major diseases of maize**
Multi-location phenotyping trials were conducted at hot spot location (Table 15) in which 261 (in NWPZ) & 150 (in NEPZ) lines against MLB, 461 lines (in NHZ & PZ) against TLB, 140 lines (in NWPZ) against BLSB, 172 lines (in NWPZ & PZ) against C. Rot and 192 lines (in PZ) against SDM were evaluated and promising ones were identified as given in Table 15.
- iv. Multi-location evaluation of maize genotypes against PFSR**
Multi-location screening of 92 maize genotypes were carried out against PFSR i.e. C.Rot & FSR (in NWPZ and CWZ, respectively) and promising ones are depicted in Table 16.
- v. Screening of QPM and normal maize lines against MLB and TLB**
A total of 117 QPM and normal maize lines were evaluated against MLB and TLB at hot spot locations in NWPZ and NHZ, respectively and elite ones are giving in Table 17.
- vi. Screening of station maize inbred lines**
A total of 118 (in PZ) and 26 (in CWZ) station maize inbred lines were screened against TLB and FSR (PFSR), respectively. Promising inbred lines are shown in Table 19 and Table 20, respectively.
- vii. Disease screening of CIMMYT maize germplasm at hot spot locations**
One hundred lines of CIMMYT maize germplasm under ICAR-CIMMYT research collaboration programme were evaluated at different hot spot locations against TLB (in PZ), BLSB (in NWPZ), FSR (in CWZ) and promising ones are given in Table 22.

MPT 16. Assessment of avoidable yield losses due to major diseases of maize

Yield losses due to major diseases of maize were assessed at Dhaulakuan (MLB), Kalyani (MLB), Dharwad (TLB), Godhra (CLS), Udaipur (RDM) and Mandya (SDM) centres using paired plot technique under artificially created epiphytotics (Table 23-28). Yield losses were assessed up to 22.01, 19.82, 16.91, 41.52 and 89.1 per cent due to MLB, TLB, CLS, RDM and SDM, respectively.

MPT 17. Maize diseases in trap nursery trial

Trap nursery trial was conducted to find out the occurrence of disease(s) including newer ones on maize at various locations *viz.*, Almora, Dhaulakuan, Pantnagar, Kalyani, Delhi, Karnal, Ludhiana, Dholi, Udaipur, Dharwad, Mandya, Hyderabad and Coimbatore (Table 29). Diseases recorded in these locations were MLB, TLB, BLSB, BSR, PFSR, RDM, SDM, CLS, P.Rust, C.Rust and brown spot in trace to high intensities. Anthracnose disease was also recorded at Pantnagar in low to moderate intensities.

MPT 18. Survey and surveillance of maize diseases during *Kharif* 2017

Disease survey and surveillance was undertaken in maize growing areas of Himachal Pradesh (Bajaura, Dhaulakuan), Punjab (Ludhiana), Uttarakhand (Pantnagar), Haryana (Karnal), North Bihar (Dholi), West Bengal (Kalyani), Southern Rajasthan (Udaipur), Gujarat (Godhra), Northern Karnataka (Dharwad), Southern Karnataka (Mandya), Telangana (Hyderabad) and Tamil Nadu (Coimbatore) during the *Kharif* 2017 (Table 30-42).

MPT 19-23. Development of IDM strategy for major diseases of maize

- i. Efficacy of newer fungicides on incidence of TLB (Table 43)
- ii. Efficacy of bio-agents and fungicides in control of RDM (Table 44)
- iii. Effect of bio-extracts/ natural products on the incidence of MLB (Table 45-47)
- iv. Efficacy of leaf stripping on severity of BLSB (Table 48-51)
- v. Efficacy of salicylic acid (SA) in control of maize diseases (Table 52-61)

B. Rabi 2016-17**MPT 1. Screening of NIVT (late maturity) maize hybrids**

Multi-location testing of 44 genotypes under this group was done. Promising genotypes with disease resistance (DR) is below:

S.No.	Genotype	Resistant			Moderately Resistant		
		NWPZ	NEPZ	PZ	NWPZ	NEPZ	PZ
1	DKC 9181(IR8494)		TLB				C.ROT
2	VNR-32994		TLB				C.ROT
3	Super 3366					TLB	C.ROT
4	JH 412		TLB		C.ROT		
5	Rasi 1107				C.ROT	TLB	C.ROT
6	JH 358						C.ROT
7	KH-1226		TLB				C.ROT
8	PM16203L						C.ROT
9	BLH 116			C.ROT	C.ROT		
10	ADV 7037				C.ROT		SDM
11	Star-47				C.ROT		
12	BLH 113				C.ROT		
13	PM16207L					TLB	
14	JH 273		TLB		C.ROT		C.ROT
15	PM16205L				C.ROT	TLB	
16	KH-2124		TLB		C.ROT		C.ROT
17	JH 409		TLB				C.ROT
18	PM16202L				C.ROT		C.ROT
19	IH-0330						C.ROT
20	KWS-8915						C.ROT
21	BIO 305				C.ROT	TLB	
22	REH-2014-6						C.ROT
23	PM16204L				C.ROT		
24	HT 16047					TLB	
25	PM16201L		TLB		C.ROT		
26	JH 248					TLB	C.ROT
27	GK3208	C.ROT				TLB	C.ROT
28	IH-031						C.ROT
29	HT 16052				C.ROT		C.ROT
30	GK3209						C.ROT
31	DAS-MH-904		TLB				C.ROT
32	IH-1304						C.ROT
33	DKC 9188(IR8737)		TLB		C.ROT		C.ROT
34	CMH 2829					TLB	C.ROT
35	Rasi 2015					TLB	C.ROT
36	JH 295				C.ROT		C.ROT
37	CMH 2725				C.ROT	TLB	C.ROT
38	MM2033		TLB		C.ROT		C.ROT, SDM
39	KWS-8933				C.ROT		C.ROT, SDM
40	Star-57		TLB		C.ROT		
41	ADV 7139				C.ROT	TLB	C.ROT, SDM
42	PM16206L						C.ROT

MPT 2. Screening of NIVT (medium maturity) maize hybrids

Multilocation testing of 31 genotypes under this group was done. Promising genotypes with disease resistance (DR) is below:

S.No.	Genotype	Resistant	Moderately Resistant		
		NEPZ	NWPZ	NEPZ	PZ
1	IMHBG16R-5			TLB	C.ROT
2	VaMH 12013				C.ROT
3	HKH 358		C.ROT		
4	AH 7005				C.ROT
5	KH-7502				C.ROT
6	IMHBG16R-2			TLB	C.ROT
7	IMH16-14 (S17XS36)	TLB			C.ROT
8	CP.898			TLB	
9	IMHBG16R-1				C.ROT
10	HKH 360		C.ROT	TLB	
11	VEH-16-1			TLB	
12	IMH16-15 (S9XS6)	TLB	C.ROT		C.ROT
13	100K-16			TLB	C.ROT
14	REH-2015-1				C.ROT
15	IMH16-13 (S25XS13)			TLB	C.ROT
16	IMHBG16R-6			TLB	
17	HKH 359				C.ROT
18	100 K-18				C.ROT
19	IMHBG16R-8		C.ROT	TLB	
20	DKC8185 (IR8332)				C.ROT
21	IMHBG16R-7			TLB	
22	IMH16-12 (S23XS9)				C.ROT
23	MMH15-8			TLB	
24	IMHBG16R-9		C.ROT	TLB	
25	REH-2015-2		C.ROT		
26	REH-2014-3		C.ROT	TLB	
27	IMHBG16R-3		C.ROT		
28	IMHBG16R-4		C.ROT	TLB	C.ROT

MPT 3. Screening of AVT I & II (late maturity) maize hybrids

Multi-location testing of 12 genotypes under this group was done. Promising genotypes with diseases resistance (DR) are below:

S.No.	Genotype	Resistant	Moderately Resistant		
		NEPZ	NWPZ	NEPZ	PZ
AVT-I-Late					
1	KMH-3981			TLB	C.ROT
2	DKC9170 (IQ8579)			TLB	C.ROT
3	PM15202L	TLB			
4	DKC9175 (IP8514)	TLB			
5	MM 2222		C.ROT		C.ROT
6	115-08-01			TLB	
7	CP.808		C.ROT		C.ROT
AVT-II-Late					
8	DKC 9165 (IM8119)		C.ROT		C.ROT
9	PM14205L			TLB	
10	NMH 1290				C.ROT
11	Rasi 394		C.ROT		C.ROT

MPT 4-5. Screening of AVT I & II (medium maturity) and QPM-I-II maize hybrids

Multi-location testing of 8 genotypes under AVT I & II (medium maturity) group and 4 genotypes under QPM-I-II group were done. Promising ones with disease resistance (DR) are below:

S.No.	Genotype	Resistant	Moderately Resistant		
		NEPZ	NWPZ	NEPZ	PZ
AVT-I-Medium					
1	DKC8171 (IP8204)		C.ROT		
2	BLH 109	TLB	C.ROT		
3	HT 15066		C.ROT	TLB	
AVT-II-Medium					
4	CP.222		C.ROT		C.ROT
5	BLH 101		C.ROT		C.ROT
6	PM142096M			TLB	C.ROT
7	HT 1412081		C.ROT		
9	BLH 102	TLB			C.ROT
QPM-I-II					
10	MMHQPM-6-12-13			TLB	C.ROT
11	VEHQ-15-1	TLB	C.ROT		C.ROT
12	MMHQPM-10-11-15				C.ROT

MPT 6. Disease screening of maize inbred lines (Mapping panel & Mapping populations)

i. Phenotyping of Association Mapping Panel against Charcoal Rot at Coimbatore (PZ)

A total of 310 genotypes were tested against Charcoal rot at Coimbatore. Those genotypes showing resistant/moderately resistant reaction to C.Rot disease is given below:

Resistant (R)	Moderately Resistant (MR)
IMR2, IMR3, IMR19, IMR20, IMR27, IMR36, IMR40, IMR41, IMR42, IMR43, IMR44, IMR50, IMR60, IMR65, IMR75, IMR76, IMR77, IMR91, IMR99, IMR103, IMR108, Tr.AM, IMR-109, 113, Tr.C.ROT114, Tr.AM116, 121, Tr C.ROT 122, 125, 127, Tr.C.ROT130, TrAM131, 132,133, TrAM135, Tr AM138, 139, 145, 146, 152, 158, 162, 163, 164, 169, 170, 171, 174, 176, 177, 179, 181, 183, 188, 193, 194, 195, 198, 199, 202, 204, 205, 208, 209, 210, 211, 212, 221, 222, 224, 226, 227, 228, 229, 230, 231, 233, 235, 253, 258, 259, 267, 270, 274, 275, 277, 279, 281, 290, 292, 293, 298, 305, 306, 308, 313, 315, 316, 318, 320, 321, 322, 323, 324, 325, 330, 331, 332, 337, 338, 340, 341, 342, 344, 346, 347, 348, 351, 357, 358, 359, 362, 363, 364, 365, 373, 376, 377, 378, 379, 380, 381, 382, 383, 384, 388, 389, 399, 406, 407, 409, 411, 413, 416, 417, TR AM D	Tr C rot IMR 1, IMR7, IMR8, IMR9, IMR11, IMR15, IMR33, IMR35, IMR39, IMR49, IMR56, IMR58, IMR63, IMR74, IMR87, IMR97, IMR100, IMR104, IMR105, 106, Tr AM112, 115, TR AM124, Tr C.rot126, Tr AM128,Tr C.rot134, 136, Tr C.rot137, 149, 153, 154, Tr AM155, 156, 160, 178, 182, 185, 196, 201, 203, 206, 207, 219, 220, 236, 241, 257, 260, 268, 269, 271, 272, 278, 283, 284, 291, 294, 296, 299, 300, 301, 303, 304, 314, 317, 319, 326, 327, 328, 329, 339, 343, 345, 349, 360, 361, 366, 367, 372, 374, 375, 385, 387, 392, 393, 394, 395, 396, 397, 398, 400, 404, 410, 414, 415, Tr AM A, Tr AM B, Tr AM C,

ii. Phenotyping of Recombinant Inbred Lines (RIL) Mapping Population (M-15) against MLB

Mapping population of 293 genotypes was tested in different zones.

iii. Phenotyping of Recombinant Inbred Lines (RIL) Mapping Population (M-16) against MLB

Mapping population of 221 was screened.

iv. Screening of MSRIT-12 CIMMYT trial against C.Rot at Dharwad

A total of 100 MSRIT-12 lines of CIMMYT were evaluated against Charcoal rot at Dharwad centre.

MPT 7. Assessment of avoidable yield losses due to C.Rot at Dharwad

Yield loss due to charcoal rot disease of maize was assessed at Dharwad centre using paired plot technique under artificially created epiphytotics. Yield loss was up to 21 per cent in 900 M Super test hybrid due to C.Rot.

MPT 8a. Efficacy of bioagents, fungicides and potash in control of post flowering stalk rot (PFSR) at Dharwad

Pseudomonas fluorescens @ 0.5% as seed treatment, bioagent-fortified FYM (1:50) and spray @ 0.5% found effective in suppressing the PFSR. This treatment recorded significantly lower disease severity (36.22%) and maximum grain yield (60.25 q/ha). The treatment recorded 47.66% disease control efficacy and resulted in 21.32% increase in grain yield over untreated check. Nevertheless the treatments viz., T₃: Local strains of fungal antagonists: *Trichoderma harzianum* Dharwad 1 (Local strain) @ 0.5% as seed treatment, bioagent-fortified and incubated FYM (1:50) and spray @ 0.5% and T₁: TH-3 @ 0.5% as seed treatment and incubated FYM (1.50) and spray @ 0.5% was also equally effective. Treatments viz., T₁, T₂ and T₃ were statistically at par with respect to disease severity and grain yield.

MPT 8b. Efficacy of fungicides against common rust (*Puccinia sorghi*) of maize at Karnal centre

Six fungicides were evaluated against common rust as foliar spray. All the fungicides were found effective against common rust. However, Trifloxystrobin 25% + Tebuconazole 50% @ 0.05% was found most effective (47.3%) followed by Propiconazole @ 0.1% (46.3%) and Tebuconazole @ 0.05% (45.3%) and also significant increase in yield was observed. Azoxystrobin @ 0.05% was found least effective among the fungicides tested.

MPT 9. Survey and surveillance of maize diseases in northern Karnataka and Tamil Nadu

Survey and surveillance of charcoal stalk rot disease of maize was conducted at 119 fields of Dharwad, Kalaghatagi, Hanagal, Bagalkot, Sindhagi, Gokak and Arabhavi places in northern Karnataka. The incidence of charcoal stalk rot was found 11.86 to 28.33 per cent.

Survey was conducted in Annur, Anthiyur, Thudiyalur, Thondamuthur and Ottanchathiram areas of Tamil Nadu. Only few farmers were taken up sowing and no disease was recorded in those fields. Due to the failure of monsoon and severe drought, most of the farmers skipped this season.

Table 1. Screening of NIVT (late maturity) maize hybrids

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ				NEPZ				
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
1	CP 777	1.0	4.5	3.5	3.0	R	7.5	8.0	7.8	S
2	OMH16-3	1.0	4.5	3.0	2.8	R	7.0	8.7	7.9	S
3	AH-1608	3.0	5.0	3.5	3.8	MR	7.0	7.7	7.4	S
4	MFH 16-22	1.0	4.5	2.5	2.7	R	9.0	7.9	8.5	S
5	JH 16081	1.0	4.5	3.0	2.8	R	7.0	7.8	7.4	S
6	JH 16118	1.0	4.0	2.5	2.5	R	4.5	8.3	6.4	MS
7	JKMH 150375	3.0	4.0	2.5	3.2	MR	6.5	7.8	7.2	S
8	CP 858	3.0	4.0	2.5	3.2	MR	6.0	6.4	6.2	MS
9	14561-010-04-01-03-3-2	-	5.5	4.5	5.0	MR	8.5	8.5	8.5	S
10	KH-2193	1.0	4.0	2.0	2.3	R	6.5	8.7	7.6	S
11	BH 415017	1.0	3.0	2.0	2.0	R	5.5	6.3	5.9	MS
12	NS 8282	1.0	6.5	4.5	4.0	MR	8.5	8.1	8.3	S
13	GIN-04	1.0	4.5	3.0	2.8	R	6.5	7.7	7.1	MS
14	JH 16041	2.0	3.5	3.0	2.8	R	7.0	8.1	7.6	S
15	KNMH-4513	1.0	5.0	3.0	3.0	R	6.0	8.2	7.1	MS
16	AH-8183	2.0	5.5	4.0	3.8	MR	9.0	8.2	8.6	S
17	JH 16209	1.0	3.5	3.0	2.5	R	5.0	7.1	6.1	MS
18	JH 16054	1.0	5.0	3.0	3.0	R	6.0	8.1	7.1	MS
19	VEH-17-1	2.0	6.0	4.0	4.0	MR	9.0	8.0	8.5	S
20	MAH-2014-19	1.0	3.5	2.5	2.3	R	8.5	6.7	7.6	S
21	PM17105L	3.0	5.0	4.0	4.0	MR	7.0	8.1	7.6	S
22	IMHBG-17K-25	1.0	5.0	3.5	3.2	MR	5.0	8.5	6.8	MS
23	GH 160131	1.0	6.0	5.0	4.0	MR	9.0	7.5	8.3	S
24	OMH16-2	1.0	4.0	3.0	2.7	R	8.0	7.9	8.0	S

Contd.

Table 1.

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ				NEPZ				
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
25	JH 16046	3.0	5.5	2.5	3.7	MR	7.0	8.0	7.5	S
26	ADV 1390064	2.0	6.0	4.5	4.2	MR	9.0	8.2	8.6	S
27	DKC 9185 (IR8449)	1.0	5.5	2.5	3.0	R	8.0	7.4	7.7	S
28	DAS-MH-115	1.0	4.0	2.5	2.5	R	6.5	8.4	7.5	S
29	IMHBG-17K-24	1.0	3.5	2.5	2.3	R	8.5	8.2	8.4	S
30	16402-008-03-03	1.0	8.5	5.0	4.8	MR	8.0	9.0	8.5	S
31	AYN716443	2.0	4.5	2.0	2.8	R	6.5	8.6	7.6	S
32	DKC9189 (IR8545)	2.0	5.0	2.5	3.2	MR	7.5	7.5	7.5	S
33	OMH16-1	1.0	5.0	3.0	3.0	R	8.5	8.2	8.4	S
34	IIMRNH 1701	2.0	4.5	3.5	3.3	MR	7.0	8.0	7.5	S
35	QMH-1420	2.0	4.0	4.0	3.3	MR	9.0	8.0	8.5	S
36	BIO 218	3.0	5.0	4.5	4.2	MR	8.5	7.6	8.1	S
37	DAS-MH-114	1.0	3.0	2.5	2.2	R	6.0	7.6	6.8	MS
38	TA 5084	2.0	4.0	2.5	2.8	R	6.0	6.8	6.4	MS
39	JH 16031	1.0	4.5	2.0	2.5	R	6.0	8.4	7.2	S
40	GH 160224	3.0	5.0	3.0	3.7	MR	8.5	8.1	8.3	S
41	KMH 463	1.0	5.0	2.0	2.7	R	9.0	7.9	8.5	S
42	GK 3211	7.0	5.5	3.5	5.3	MS	6.5	8.5	7.5	S
43	CMH 14-720	2.0	5.0	2.0	3.0	R	5.5	8.4	7.0	MS
44	JH 13346	1.0	4.5	2.5	2.7	R	6.5	7.5	7.0	MS
45	SVMH-66	1.0	4.5	2.5	2.7	R	8.0	8.4	8.2	S
46	Rasi-2432	2.0	3.5	3.0	2.8	R	7.5	7.7	7.6	S
47	IMHBG-17K-20	4.0	4.0	2.0	3.3	MR	6.0	6.9	6.5	MS
48	REH 2015-7	2.0	5.5	4.5	4.0	MR	9.0	7.4	8.2	S
49	JH 16040	2.0	5.0	4.5	3.8	MR	8.0	8.1	8.1	S
50	HT 17169	2.0	4.5	2.0	2.8	R	6.5	7.9	7.2	S

Contd.

Table 1.

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ				NEPZ				
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
51	CMH 15-005	2.0	5.0	2.5	3.2	MR	7.0	7.9	7.5	S
52	Rasi-3499	1.0	4.5	2.0	2.5	R	6.0	8.0	7.0	MS
53	KNMH-4410	2.0	5.5	2.5	3.3	MR	7.0	6.8	6.9	MS
54	IIMRNH 1705	1.0	5.5	2.0	2.8	R	5.5	7.4	6.5	MS
55	QMH-1353	1.0	4.5	2.0	2.5	R	6.0	7.7	6.9	MS
56	MAH-2014-3	1.0	4.0	2.5	2.5	R	5.0	8.0	6.5	MS
57	Super-1818	2.0	4.5	2.5	3.0	R	6.0	8.4	7.2	S
58	DKC 9182 (IR8513)	1.0	3.5	2.0	2.2	R	7.5	7.4	7.5	S
59	PM17104L	3.0	4.5	4.0	3.8	MR	7.5	6.5	7.0	MS
60	GH-1301	2.0	4.5	3.0	3.2	MR	8.0	8.4	8.2	S
61	TMMH 2840	3.0	4.0	3.5	3.5	MR	9.0	8.3	8.7	S
62	AH-1645	-	5.0	3.0	4.0	MR	8.5	7.0	7.8	S
63	VNR-35379	2.0	4.0	2.5	2.8	R	7.0	7.5	7.3	S
64	IIMRNH 1703	1.0	4.0	3.0	2.7	R	9.0	7.7	8.4	S
65	AMH-15119	3.0	4.0	3.5	3.5	MR	7.5	7.1	7.3	S
66	ADV 1390164	1.0	4.0	3.5	2.8	R	7.5	7.8	7.7	S
67	TS 2505	1.0	4.5	4.0	3.2	MR	7.0	8.2	7.6	S
68	NMH-4530	5.0	4.5	3.5	4.3	MR	8.0	7.8	7.9	S
69	CMH 14-714	1.0	5.0	2.5	2.8	R	7.0	8.2	7.6	S
70	PM17106L	1.0	5.0	3.5	3.2	MR	6.5	8.0	7.3	S
71	JH 16034	2.0	5.5	2.0	3.2	MR	6.5	8.2	7.4	S
72	IMHBG-17K-23	1.0	4.0	2.5	2.5	R	7.5	7.9	7.7	S
73	B-57	1.0	4.5	3.5	3.0	R	7.5	7.1	7.3	S
74	MFH 16-21	2.0	4.5	2.5	3.0	R	7.5	8.3	7.9	S
75	CCH 2829	2.0	5.0	3.0	3.3	MR	9.0	8.5	8.8	S
76	QMH-1347	1.0	4.5	3.5	3.0	R	7.5	7.4	7.5	S

Contd.

Table 1.

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ				NEPZ				
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
77	JH 13336	1.0	4.0	2.5	2.5	R	4.5	6.9	5.7	MS
78	CMH 14-721	2.0	4.5	3.0	3.2	MR	8.0	8.5	8.3	S
79	20637-009-03-02	2.0	8.5	6.5	5.7	MS	9.0	8.5	8.8	S
80	PM17101L	1.0	3.5	2.5	2.3	R	8.0	8.0	8.0	S
81	IIMRNH 1704	2.0	5.5	4.5	4.0	MR	6.5	8.0	7.3	S
82	BIO 9682 (C)	1.0	7.0	4.0	4.0	MR	8.5	7.9	8.2	S
83	CMH 08-287 (C)	2.0	5.0	3.0	3.3	MR	4.0	8.1	6.1	MS
84	CMH 08-282 (C)	1.0	4.5	2.0	2.5	R	5.0	7.9	6.5	MS
	Res. Check	-	-	2.2	2.2	R	-	-	-	-
	Sus. Check	8.0	8.0	5.3	7.1	MS	8.5	8.8	8.7	S
	Local Check	-	-	7.8	7.8	S	-	-	-	-

Contd.

Res. Check:- MLB:- LET DR (Ludhiana)

Sus. Check:- MLB:- CM 600 (Delhi, Karnal, Kalyani); CM 501 (Ludhiana); CML 186 (Dholi)

Local Check:- MLB:- CM 140 (Ludhiana)

Table 1.

S. No. Genotype	Turcicum leaf blight (1-9)									
	NHZ					PZ				
	ALMO	BAJA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction	
1 CP 777	2.0	3.5	6.0	3.8	MR	6.0	3.0	4.5	MR	
2 OMH16-3	2.0	3.0	5.0	3.3	MR	5.5	1.0	3.3	MR	
3 AH-1608	3.0	3.5	4.0	3.5	MR	5.0	2.0	3.5	MR	
4 MFH 16-22	2.0	3.0	5.0	3.3	MR	6.5	2.0	4.3	MR	
5 JH 16081	3.0	3.5	5.0	3.8	MR	6.8	4.5	5.6	MS	
6 JH 16118	3.0	2.5	3.0	2.8	R	4.3	2.0	3.1	R	
7 JKMh 150375	5.0	4.5	3.5	4.3	MR	4.3	3.5	3.9	MR	
8 CP 858	3.0	2.0	2.0	2.3	R	6.5	1.5	4.0	MR	
9 14561-010-04-01-03-3-2	5.0	7.0	5.5	5.8	MS	9.0	2.5	5.8	MS	
10 KH-2193	3.0	3.5	3.5	3.3	MR	4.3	1.0	2.6	R	
11 BH 415017	3.0	3.0	2.5	2.8	R	4.5	1.0	2.8	R	
12 NS 8282	2.0	3.5	3.5	3.0	R	6.5	2.5	4.5	MR	
13 GIN-04	2.0	3.0	4.0	3.0	R	5.0	3.5	4.3	MR	
14 JH 16041	2.0	4.0	4.0	3.3	MR	4.5	1.0	2.8	R	
15 KNMH-4513	3.0	3.0	4.0	3.3	MR	7.0	2.0	4.5	MR	
16 AH-8183	3.0	3.0	4.0	3.3	MR	4.5	1.5	3.0	R	
17 JH 16209	5.0	3.0	3.0	3.7	MR	6.3	1.0	3.6	MR	
18 JH 16054	3.0	3.0	5.0	3.7	MR	5.0	1.5	3.3	MR	
19 VEH-17-1	3.0	3.5	2.5	3.0	R	7.0	1.5	4.3	MR	
20 MAH-2014-19	3.0	3.0	4.0	3.3	MR	4.0	1.5	2.8	R	
21 PM17105L	2.0	3.0	5.5	3.5	MR	7.5	4.5	6.0	MS	
22 IMHBG-17K-25	3.0	3.0	3.0	3.0	R	4.8	1.5	3.1	R	
23 GH 160131	3.0	3.5	3.5	3.3	MR	4.0	4.0	4.0	MR	
24 OMH16-2	3.0	2.5	3.0	2.8	R	5.5	1.0	3.3	MR	

Contd.

Table 1.

S. No.	Genotype	Turcicum leaf blight (1-9)								
		NHZ					PZ			
		ALMO	BAJA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
25	JH 16046	5.0	4.0	4.5	4.5	MR	7.5	3.0	5.3	MS
26	ADV 1390064	5.0	4.0	5.0	4.7	MR	5.0	4.5	4.8	MR
27	DKC 9185 (IR8449)	3.0	3.0	2.5	2.8	R	3.5	1.5	2.5	R
28	DAS-MH-115	2.0	3.0	4.5	3.2	MR	7.8	4.0	5.9	MS
29	IMHBG-17K-24	3.0	2.5	3.5	3.0	R	4.0	1.0	2.5	R
30	16402-008-03-03	3.0	7.0	6.0	5.3	MS	9.0	1.5	5.3	MS
31	AYN716443	3.0	3.0	3.0	3.0	R	5.5	1.5	3.5	MR
32	DKC9189 (IR8545)	3.0	3.0	3.5	3.2	MR	5.0	2.0	3.5	MR
33	OMH16-1	5.0	3.0	3.0	3.7	MR	3.3	1.5	2.4	R
34	IIMRNH 1701	2.0	3.0	4.0	3.0	R	5.5	1.0	3.3	MR
35	QMH-1420	3.0	2.5	3.0	2.8	R	5.5	2.0	3.8	MR
36	BIO 218	2.0	3.0	4.5	3.2	MR	6.0	6.0	6.0	MS
37	DAS-MH-114	3.0	3.5	3.5	3.3	MR	7.8	1.5	4.6	MR
38	TA 5084	3.0	3.0	4.5	3.5	MR	4.5	2.0	3.3	MR
39	JH 16031	2.0	3.0	2.5	2.5	R	4.5	1.0	2.8	R
40	GH 160224	3.0	2.0	2.5	2.5	R	5.5	2.5	4.0	MR
41	KMH 463	2.0	2.5	4.0	2.8	R	3.5	4.0	3.8	MR
42	GK 3211	3.0	3.5	3.0	3.2	MR	7.0	1.5	4.3	MR
43	CMH 14-720	3.0	3.0	3.0	3.0	R	6.5	1.0	3.8	MR
44	JH 13346	2.0	2.5	2.5	2.3	R	3.8	1.0	2.4	R
45	SVMH-66	3.0	2.5	3.0	2.8	R	5.0	2.0	3.5	MR
46	Rasi-2432	2.0	3.0	4.0	3.0	R	4.5	1.5	3.0	R
47	IMHBG-17K-20	3.0	2.0	2.5	2.5	R	4.0	1.5	2.8	R
48	REH 2015-7	6.0	4.0	6.0	5.3	MS	6.5	6.0	6.3	MS
49	JH 16040	3.0	3.5	4.0	3.5	MR	6.5	3.0	4.8	MR
50	HT 17169	3.0	3.5	3.0	3.2	MR	4.5	1.0	2.8	R

Contd.

Table 1.

S. No.	Genotype	Turcicum leaf blight (1-9)								
		NHZ					PZ			
		ALMO	BAJA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
51	CMH 15-005	2.0	3.0	3.0	2.7	R	5.5	1.5	3.5	MR
52	Rasi-3499	3.0	3.5	4.5	3.7	MR	4.5	2.5	3.5	MR
53	KNMH-4410	3.0	4.0	4.5	3.8	MR	5.8	1.0	3.4	MR
54	IIMRNH 1705	3.0	3.0	4.0	3.3	MR	5.0	1.0	3.0	R
55	QMH-1353	3.0	3.0	3.5	3.2	MR	6.3	2.5	4.4	MR
56	MAH-2014-3	2.0	3.0	2.5	2.5	R	4.0	1.0	2.5	R
57	Super-1818	3.0	3.0	3.5	3.2	MR	4.5	1.5	3.0	R
58	DKC 9182 (IR8513)	3.0	3.0	2.0	2.7	R	3.8	2.0	2.9	R
59	PM17104L	3.0	2.0	3.0	2.7	R	3.8	1.5	2.6	R
60	GH-1301	2.0	3.5	3.5	3.0	R	7.5	3.0	5.3	MS
61	TMMH 2840	3.0	4.5	4.5	4.0	MR	7.8	2.0	4.9	MR
62	AH-1645	2.0	4.0	4.0	3.3	MR	6.0	1.0	3.5	MR
63	VNR-35379	3.0	3.0	3.0	3.0	R	3.3	1.0	2.1	R
64	IIMRNH 1703	5.0	4.0	5.5	4.8	MR	7.8	5.0	6.4	MS
65	AMH-15119	3.0	2.5	3.0	2.8	R	5.0	1.0	3.0	R
66	ADV 1390164	5.0	3.0	4.0	4.0	MR	3.8	2.5	3.1	R
67	TS 2505	3.0	3.0	4.5	3.5	MR	6.0	1.0	3.5	MR
68	NMH-4530	5.0	3.0	4.0	4.0	MR	4.5	5.0	4.8	MR
69	CMH 14-714	2.0	3.0	5.0	3.3	MR	7.0	2.0	4.5	MR
70	PM17106L	2.0	2.5	3.5	2.7	R	7.0	1.0	4.0	MR
71	JH 16034	3.0	3.5	3.5	3.3	MR	3.5	1.0	2.3	R
72	IMHBG-17K-23	3.0	3.0	3.0	3.0	R	4.5	1.0	2.8	R
73	B-57	3.0	3.0	6.0	4.0	MR	7.0	4.0	5.5	MS
74	MFH 16-21	5.0	3.0	5.0	4.3	MR	3.5	2.5	3.0	R
75	CCH 2829	3.0	4.0	4.5	3.8	MR	5.0	3.0	4.0	MR
76	QMH-1347	3.0	2.5	4.0	3.2	MR	4.0	2.0	3.0	R

Contd.

Table 1.

S. No.	Genotype	Turcicum leaf blight (1-9)								
		NHZ					PZ			
		ALMO	BAJA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
77	JH 13336	3.0	3.0	3.5	3.2	MR	5.0	1.0	3.0	R
78	CMH 14-721	3.0	3.5	4.0	3.5	MR	3.8	1.0	2.4	R
79	20637-009-03-02	3.0	6.5	6.0	5.2	MS	8.0	2.5	5.3	MS
80	PM17101L	3.0	3.5	4.0	3.5	MR	4.0	3.0	3.5	MR
81	IIMRNH 1704	1.0	3.0	4.0	2.7	R	4.0	1.0	2.5	R
82	BIO 9682 (C)	2.0	3.5	4.0	3.2	MR	5.8	1.5	3.6	MR
83	CMH 08-287 (C)	3.0	2.5	3.0	2.8	R	4.3	1.5	2.9	R
84	CMH 08-282 (C)	3.0	2.5	2.5	2.7	R	4.0	1.0	2.5	R
	Res. Check	2.0	-	-	2.0	R	4.0	2.3	3.1	R
	Sus. Check	8.0	8.3	8.0	8.1	S	9.0	7.3	8.1	S
	Local Check	-	-	-	-	-	-	-	-	-

Contd.

Res Check:- TLB:- VB-343 (Almora); CI 4 (Dharwad); NAH 1137 (Mandya)

Sus. Check:- TLB:- Jonsar local (Almora); NB-266 (Bajaura); Local check (Larnoo); CM 202 (Dharwad, Mandya)

Table 1.

S. No.	Genotype	Banded leaf and sheath blight (1-9)						CLS (1-9)		
		NHZ		NWPZ				CWZ		
		DHAU	Reaction	DELH	KARN*	PANT	Av. Score	Reaction	UDAI	Reaction
1	CP 777	3.0	R	3.0	5.0	9.0	6.0	MS	2.5	R
2	OMH16-3	5.0	MR	4.0	5.5	8.5	6.3	MS	2.5	R
3	AH-1608	3.0	R	1.0	5.5	8.0	4.5	MR	2.0	R
4	MFH 16-22	0.5	R	4.0	6.0	8.0	6.0	MS	3.0	R
5	JH 16081	4.0	MR	3.0	4.5	8.0	5.5	MS	3.0	R
6	JH 16118	2.0	R	5.0	4.0	5.0	5.0	MR	3.5	MR
7	JKMH 150375	7.0	MS	5.0	2.5	8.0	6.5	MS	2.5	R
8	CP 858	4.0	MR	6.0	3.5	8.0	7.0	MS	2.5	R
9	14561-010-04-01-03-3-2	0.0	R	-	5.0	8.5	8.5	S	4.0	MR
10	KH-2193	3.0	R	6.0	4.5	6.5	6.3	MS	3.5	MR
11	BH 415017	2.5	R	4.0	4.5	8.0	6.0	MS	2.5	R
12	NS 8282	3.0	R	5.0	6.5	7.0	6.0	MS	4.0	MR
13	GIN-04	6.0	MS	3.0	4.5	8.5	5.8	MS	2.5	R
14	JH 16041	4.0	MR	3.0	4.5	7.5	5.3	MS	2.0	R
15	KNMH-4513	2.0	R	4.0	4.5	9.0	6.5	MS	3.0	R
16	AH-8183	2.5	R	3.0	6.0	6.5	4.8	MR	3.0	R
17	JH 16209	5.5	MS	5.0	4.0	7.0	6.0	MS	3.0	R
18	JH 16054	0.0	R	2.0	4.5	7.0	4.5	MR	2.5	R
19	VEH-17-1	3.5	MR	5.0	5.5	8.0	6.5	MS	3.0	R
20	MAH-2014-19	3.0	R	3.0	2.5	8.0	5.5	MS	2.5	R
21	PM17105L	0.0	R	6.0	3.0	7.0	6.5	MS	4.0	MR
22	IMHBG-17K-25	3.0	R	5.0	4.0	5.5	5.3	MS	4.0	MR
23	GH 160131	4.5	MR	5.0	5.0	9.0	7.0	MS	4.0	MR
24	OMH16-2	1.0	R	3.0	5.5	8.5	5.8	MS	2.0	R

Contd.

Table 1.

S. No.	Genotype	Banded leaf and sheath blight (1-9)							CLS (1-9)	
		NHZ		NWPZ					CWZ	
		DHAU	Reaction	DELH	KARN*	PANT	Av. Score	Reaction	UDAI	Reaction
25	JH 16046	2.0	R	5.0	5.0	8.5	6.8	MS	3.0	R
26	ADV 1390064	4.0	MR	3.0	5.5	7.5	5.3	MS	2.5	R
27	DKC 9185 (IR8449)	2.5	R	5.0	1.5	8.5	6.8	MS	1.0	R
28	DAS-MH-115	1.5	R	6.0	4.0	9.0	7.5	S	2.5	R
29	IMHBG-17K-24	5.5	MS	5.0	2.5	8.5	6.8	MS	2.5	R
30	16402-008-03-03	0.5	R	3.0	3.5	8.5	5.8	MS	2.5	R
31	AYN716443	3.0	R	4.0	5.0	9.0	6.5	MS	3.5	MR
32	DKC9189 (IR8545)	2.0	R	5.0	5.0	7.0	6.0	MS	2.0	R
33	OMH16-1	2.0	R	5.0	3.0	5.5	5.3	MS	3.0	R
34	IIMRNH 1701	3.0	R	3.0	5.0	5.5	4.3	MR	5.0	MR
35	QMH-1420	3.0	R	3.0	2.0	6.5	4.8	MR	2.5	R
36	BIO 218	2.5	R	6.0	3.0	8.0	7.0	MS	1.5	R
37	DAS-MH-114	4.0	MR	3.0	5.5	9.0	6.0	MS	2.0	R
38	TA 5084	3.0	R	3.0	2.5	9.0	6.0	MS	2.0	R
39	JH 16031	5.0	MR	4.0	3.0	7.0	5.5	MS	2.5	R
40	GH 160224	1.5	R	7.0	5.0	8.5	7.8	S	4.5	MR
41	KMH 463	1.5	R	5.0	4.0	5.5	5.3	MS	3.0	R
42	GK 3211	2.0	R	8.0	2.5	8.5	8.3	S	3.5	MR
43	CMH 14-720	4.5	MR	4.0	5.5	7.5	5.8	MS	4.0	MR
44	JH 13346	4.5	MR	4.0	4.0	5.5	4.8	MR	2.5	R
45	SVMH-66	1.5	R	5.0	5.5	7.0	6.0	MS	3.0	R
46	Rasi-2432	0.0	R	7.0	5.5	6.5	6.8	MS	3.5	MR
47	IMHBG-17K-20	2.5	R	8.0	5.5	9.0	8.5	S	2.5	R
48	REH 2015-7	7.0	MS	3.0	3.0	8.5	5.8	MS	3.0	R
49	JH 16040	4.5	MR	3.0	3.5	9.0	6.0	MS	1.5	R
50	HT 17169	2.5	R	3.0	6.0	8.5	5.8	MS	2.5	R

Contd.

Table 1.

S. No.	Genotype	Banded leaf and sheath blight (1-9)							CLS (1-9)	
		NHZ		NWPZ					CWZ	
		DHAU	Reaction	DELH	KARN*	PANT	Av. Score	Reaction	UDAI	Reaction
51	CMH 15-005	1.5	R	3.0	4.5	8.0	5.5	MS	3.0	R
52	Rasi-3499	0.5	R	2.0	4.5	8.5	5.3	MS	1.0	R
53	KNMH-4410	6.5	MS	6.0	4.0	9.0	7.5	S	2.0	R
54	IIMRNH 1705	2.5	R	7.0	5.0	8.0	7.5	S	2.5	R
55	QMH-1353	3.0	R	1.0	5.0	8.5	4.8	MR	2.5	R
56	MAH-2014-3	1.5	R	4.0	3.0	8.5	6.3	MS	2.0	R
57	Super-1818	3.0	R	6.0	4.0	8.0	7.0	MS	4.0	MR
58	DKC 9182 (IR8513)	4.0	MR	5.0	4.0	6.5	5.8	MS	3.0	R
59	PM17104L	3.0	R	8.0	4.0	7.5	7.8	S	2.5	R
60	GH-1301	3.5	MR	4.0	2.5	9.0	6.5	MS	2.5	R
61	TMMH 2840	3.0	R	5.0	3.5	9.0	7.0	MS	3.5	MR
62	AH-1645	4.5	MR	-	4.5	7.5	7.5	S	3.0	R
63	VNR-35379	0.5	R	5.0	3.5	8.5	6.8	MS	2.5	R
64	IIMRNH 1703	3.5	MR	3.0	5.0	8.0	5.5	MS	3.0	R
65	AMH-15119	5.0	MR	5.0	4.0	8.5	6.8	MS	2.5	R
66	ADV 1390164	2.5	R	2.0	4.0	8.0	5.0	MR	3.0	R
67	TS 2505	1.0	R	3.0	3.5	8.5	5.8	MS	1.5	R
68	NMH-4530	5.5	MS	7.0	4.0	9.0	8.0	S	2.0	R
69	CMH 14-714	3.0	R	4.0	5.5	7.5	5.8	MS	4.5	MR
70	PM17106L	3.0	R	2.0	5.0	6.5	4.3	MR	5.5	MS
71	JH 16034	5.0	MR	6.0	5.0	8.0	7.0	MS	3.0	R
72	IMHBG-17K-23	5.5	MS	6.0	5.0	7.5	6.8	MS	3.5	MR
73	B-57	2.5	R	5.0	4.5	6.0	5.5	MS	1.5	R
74	MFH 16-21	8.5	S	2.0	6.0	8.5	5.3	MS	2.5	R
75	CCH 2829	4.0	MR	3.0	6.5	8.5	5.8	MS	3.0	R
76	QMH-1347	1.5	R	3.0	5.5	7.5	5.3	MS	4.0	MR

Contd.

Table 1.

S. No. Genotype	Banded leaf and sheath blight (1-9)							CLS (1-9)	
	NHZ		NWPZ					CWZ	
	DHAU	Reaction	DELH	KARN*	PANT	Av. Score	Reaction	UDAI	Reaction
77 JH 13336	3.0	R	3.0	4.5	5.5	4.3	MR	3.5	MR
78 CMH 14-721	1.5	R	3.0	4.5	8.5	5.8	MS	4.5	MR
79 20637-009-03-02	2.0	R	4.0	4.5	9.0	6.5	MS	2.5	R
80 PM17101L	4.5	MR	5.0	3.5	8.0	6.5	MS	3.0	R
81 IIMRNH 1704	2.5	R	6.0	3.0	6.5	6.3	MS	4.0	MR
82 BIO 9682 (C)	0.5	R	6.0	4.5	8.0	7.0	MS	3.5	MR
83 CMH 08-287 (C)	2.5	R	3.0	3.5	7.0	5.0	MR	4.0	MR
84 CMH 08-282 (C)	7.5	S	3.0	2.5	8.0	5.5	MS	2.5	R
Res. Check	2.0	R	-	-	-	-	-	3.3	MR
Sus. Check	7.5	S	9.0	3.5	8.0	8.5	S	6.3	MS
Local Check	5.5	MS	-	-	9.0	9.0	S	-	-

*Data is not considered due to low disease pressure

Contd.

Res. Check:- BLSB:- DH 1107 (Dhaulakuan); CLS:- DHM 117 (Udaipur)

Sus. Check:- BLSB:- CM 600 (Dhaulakuan, Karnal, Pantnagar); CM 501 (Delhi); CLS:- Surya (Udaipur)

Local Check:- BLSB:- Early Compsite (Dhaulakuan); PSM 3 (Pantnagar)

Table 1.

S. No. Genotype	Charcoal rot (1-9)						C. Rust (1-9)		P. Rust (1-9)*	
	NWPZ		PZ				PZ		PZ	
	LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
1 CP 777	3.3	MR	3.1	4.5	3.8	MR	7.0	S	1.5	-
2 OMH16-3	4.8	MR	4.7	5.0	4.9	MR	6.5	S	1.5	-
3 AH-1608	4.1	MR	3.8	3.1	3.5	MR	8.0	S	2.0	-
4 MFH 16-22	5.2	MS	3.3	4.8	4.0	MR	6.5	S	2.0	-
5 JH 16081	3.8	MR	4.3	4.3	4.3	MR	8.5	S	4.5	-
6 JH 16118	3.6	MR	2.9	4.1	3.5	MR	4.0	MR	1.5	-
7 JKMH 150375	3.6	MR	3.4	3.7	3.6	MR	3.3	MR	1.5	-
8 CP 858	4.2	MR	4.6	5.2	4.9	MR	3.3	MR	1.0	-
9 14561-010-04-01-03-3-2	6.1	MS	5.9	5.3	5.6	MS	6.0	MS	1.5	-
10 KH-2193	3.8	MR	3.3	4.6	3.9	MR	3.5	MR	1.5	-
11 BH 415017	4.9	MR	4.1	5.1	4.6	MR	8.0	S	1.5	-
12 NS 8282	5.9	MS	5.4	4.9	5.1	MR	5.5	MS	2.5	-
13 GIN-04	5.5	MS	4.0	5.2	4.6	MR	4.0	MR	1.5	-
14 JH 16041	4.6	MR	4.4	5.2	4.8	MR	4.0	MR	3.0	-
15 KNMH-4513	6.5	MS	3.9	4.9	4.4	MR	8.5	S	3.0	-
16 AH-8183	4.3	MR	4.2	5.2	4.7	MR	7.5	S	1.5	-
17 JH 16209	2.9	R	3.1	6.3	4.7	MR	4.5	MS	1.5	-
18 JH 16054	4.0	MR	5.0	5.0	5.0	MR	7.5	S	2.0	-
19 VEH-17-1	5.2	MS	6.0	4.4	5.2	MS	5.5	MS	5.5	-
20 MAH-2014-19	5.6	MS	5.0	4.4	4.7	MR	3.5	MR	1.5	-
21 PM17105L	4.5	MR	5.1	4.7	4.9	MR	6.5	S	2.0	-
22 IMHBG-17K-25	4.2	MR	4.2	3.9	4.1	MR	5.5	MS	2.0	-
23 GH 160131	4.5	MR	3.3	6.0	4.6	MR	3.3	MR	1.5	-
24 OMH16-2	3.2	MR	1.5	4.7	3.1	R	3.0	MR	1.5	-

Contd.

Table 1.

S. No.	Genotype	Charcoal rot (1-9)						C. Rust (1-9)		P. Rust (1-9)*	
		NWPZ		PZ				PZ		PZ	
		LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
25	JH 16046	4.7	MR	3.5	6.0	4.8	MR	9.0	S	2.0	-
26	ADV 1390064	3.9	MR	4.8	5.3	5.0	MR	3.5	MR	1.5	-
27	DKC 9185 (IR8449)	3.4	MR	3.1	5.5	4.3	MR	2.0	R	2.0	-
28	DAS-MH-115	3.7	MR	4.7	4.4	4.5	MR	5.0	MS	2.0	-
29	IMHBG-17K-24	3.5	MR	3.3	2.8	3.0	R	3.3	MR	1.5	-
30	16402-008-03-03	6.7	MS	2.4	4.8	3.6	MR	4.0	MR	1.5	-
31	AYN716443	3.8	MR	2.8	4.5	3.6	MR	3.0	MR	2.0	-
32	DKC9189 (IR8545)	2.9	R	4.0	5.1	4.5	MR	2.5	MR	1.5	-
33	OMH16-1	7.1	MS	2.3	5.8	4.0	MR	7.0	S	1.5	-
34	IIMRNH 1701	3.0	R	3.3	4.8	4.1	MR	5.0	MS	2.0	-
35	QMH-1420	4.0	MR	2.5	4.9	3.7	MR	4.3	MS	1.5	-
36	BIO 218	4.1	MR	3.8	5.1	4.4	MR	8.0	S	2.0	-
37	DAS-MH-114	4.3	MR	2.7	5.7	4.2	MR	5.0	MS	2.0	-
38	TA 5084	5.3	MS	5.5	4.8	5.1	MR	2.5	MR	1.5	-
39	JH 16031	2.4	R	2.7	4.0	3.3	MR	3.3	MR	2.0	-
40	GH 160224	5.1	MR	3.4	3.7	3.6	MR	6.3	S	2.5	-
41	KMH 463	4.1	MR	3.6	4.3	3.9	MR	3.3	MR	2.0	-
42	GK 3211	4.8	MR	1.8	5.9	3.8	MR	8.0	S	2.5	-
43	CMH 14-720	5.2	MS	4.5	6.6	5.5	MS	3.5	MR	1.5	-
44	JH 13346	2.9	R	2.1	4.9	3.5	MR	2.0	R	1.5	-
45	SVMH-66	4.0	MR	2.9	5.3	4.1	MR	4.0	MR	1.5	-
46	Rasi-2432	5.0	MR	4.0	4.9	4.5	MR	5.5	MS	2.0	-
47	IMHBG-17K-20	3.1	R	2.7	5.0	3.8	MR	2.5	MR	3.5	-
48	REH 2015-7	4.5	MR	4.4	6.4	5.4	MS	3.0	MR	4.0	-
49	JH 16040	4.6	MR	2.8	4.9	3.8	MR	4.3	MS	2.5	-
50	HT 17169	4.6	MR	2.1	4.5	3.3	MR	7.5	S	1.5	-

Contd.

Table 1.

S. No.	Genotype	Charcoal rot (1-9)						C. Rust (1-9)		P. Rust (1-9)*	
		NWPZ		PZ				PZ		PZ	
		LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
51	CMH 15-005	4.0	MR	3.3	5.6	4.4	MR	9.0	S	1.0	-
52	Rasi-3499	3.9	MR	5.9	3.9	4.9	MR	4.0	MR	2.0	-
53	KNMH-4410	5.7	MS	2.3	3.8	3.0	R	3.5	MR	4.0	-
54	IIMRNH 1705	6.2	MS	3.5	4.0	3.7	MR	4.3	MS	3.0	-
55	QMH-1353	4.0	MR	3.7	4.5	4.1	MR	5.0	MS	1.5	-
56	MAH-2014-3	4.8	MR	3.3	4.4	3.8	MR	2.3	MR	1.0	-
57	Super-1818	3.1	R	3.2	5.0	4.1	MR	3.5	MR	2.0	-
58	DKC 9182 (IR8513)	3.6	MR	4.2	5.5	4.8	MR	5.5	MS	1.5	-
59	PM17104L	4.4	MR	4.1	3.6	3.8	MR	2.3	MR	2.0	-
60	GH-1301	3.6	MR	5.4	4.6	5.0	MR	5.3	MS	2.0	-
61	TMMH 2840	4.0	MR	3.1	4.6	3.8	MR	6.5	S	1.5	-
62	AH-1645	5.2	MS	3.5	6.6	5.0	MR	5.0	MS	1.5	-
63	VNR-35379	4.5	MR	2.9	5.3	4.1	MR	2.0	R	2.5	-
64	IIMRNH 1703	4.8	MR	3.4	4.2	3.8	MR	5.5	MS	1.5	-
65	AMH-15119	3.1	R	3.0	6.0	4.5	MR	3.5	MR	1.5	-
66	ADV 1390164	4.2	MR	4.6	4.5	4.5	MR	2.8	MR	3.0	-
67	TS 2505	4.4	MR	3.3	4.4	3.8	MR	5.0	MS	2.5	-
68	NMH-4530	3.9	MR	4.4	4.6	4.5	MR	4.0	MR	2.0	-
69	CMH 14-714	3.9	MR	2.2	3.9	3.0	R	5.5	MS	1.5	-
70	PM17106L	4.7	MR	4.5	3.8	4.2	MR	6.0	MS	1.5	-
71	JH 16034	3.2	MR	2.7	6.1	4.4	MR	2.3	MR	1.0	-
72	IMHBG-17K-23	3.6	MR	3.5	4.0	3.7	MR	3.0	MR	2.0	-
73	B-57	4.1	MR	4.2	5.5	4.8	MR	4.5	MS	2.0	-
74	MFH 16-21	5.1	MR	4.5	4.2	4.3	MR	5.5	MS	3.0	-
75	CCH 2829	5.1	MR	2.7	3.0	2.9	R	4.5	MS	3.0	-
76	QMH-1347	3.1	R	5.2	5.3	5.2	MS	2.0	R	2.0	-

Contd.

Table 1.

S. No. Genotype	Charcoal rot (1-9)						C. Rust (1-9)		P. Rust (1-9)*	
	NWPZ		PZ				PZ		PZ	
	LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
77 JH 13336	3.7	MR	2.6	6.3	4.5	MR	6.5	S	1.5	-
78 CMH 14-721	3.5	MR	5.6	6.4	6.0	MS	5.0	MS	2.0	-
79 20637-009-03-02	7.0	MS	2.4	3.9	3.1	R	3.5	MR	1.5	-
80 PM17101L	3.8	MR	3.1	5.5	4.3	MR	2.0	R	1.5	-
81 IIMRNH 1704	5.8	MS	3.8	4.0	3.9	MR	4.0	MR	1.5	-
82 BIO 9682 (C)	4.9	MR	1.9	5.9	3.9	MR	5.5	MS	1.5	-
83 CMH 08-287 (C)	4.0	MR	3.5	4.2	3.8	MR	3.3	MR	1.0	-
84 CMH 08-282 (C)	2.8	R	1.9	5.7	3.8	MR	6.5	S	1.5	-
Res. Check	2.8	R	1.0	2.9	2.0	R	4.0	MR	1.3	-
Sus. Check	5.8	MS	7.2	7.2	7.2	S	8.0	S	5.3	-
Local Check	7.7	S	-	6.7	6.7	MS	-	-	-	-

*Data is not considered due to low disease pressure

Contd.

Res. Check:- C.Rot:- LET DR (Ludhiana); CoH6 (Coimbatore); JCY2-7 (Hyderabad); **C.Rust:-** CI 4 (Dharwad); **P.Rust:-** NAH 1137 (Mandya)

Sus. Check:- C.Rot:- CM 501 (Ludhiana, Hyderabad); CM 600 (Coimbatore); **C.Rust:-** CM 202 (Dharwad); **P.Rust:-** CM 202 (Mandya)

Local Check:- C.Rot:- CM 140 (Ludhiana); BML-6 (Hyderabad)

Table 1.

S. No. Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode	
	PZ		CWZ		NHZ		NWPZ		CWZ	
	MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction
Range cyst/ plant N=5										
1 CP 777	100	S	13	MR	37	MS	95	S	22--27	S
2 OMH16-3	100	S	21	MR	19	MR	44	MS	2--6	MR
3 AH-1608	96	S	19	MR	29	MS	61	S	19--30	S
4 MFH 16-22	100	S	10	R	26	MS	46	MS	11--20	S
5 JH 16081	100	S	0	R	10	R	36	MS	21--28	S
6 JH 16118	79	S	5	R	20	MR	50	MS	17--21	S
7 JKMH 150375	57	S	6	R	27	MS	36	MS	3--7	MR
8 CP 858	100	S	17	MR	11	MR	15	MR	12--25	S
9 14561-010-04-01-03-3-2	100	S	55	S	25	MR	32	MS	22--30	S
10 KH-2193	54	S	7	R	15	MR	38	MS	13--17	S
11 BH 415017	60	S	25	MR	7	R	5	R	21--32	S
12 NS 8282	100	S	41	MS	24	MR	70	S	14--22	S
13 GIN-04	100	S	7	R	41	MS	55	S	12--19	S
14 JH 16041	100	S	23	MR	13	MR	31	MS	27--39	S
15 KNMH-4513	100	S	29	MS	18	MR	67	S	19--24	S
16 AH-8183	100	S	8	R	14	MR	26	MS	23--35	S
17 JH 16209	47	MS	7	R	31	MS	50	MS	19--27	S
18 JH 16054	82	S	20	MR	26	MS	41	MS	9--18	S
19 VEH-17-1	100	S	19	MR	25	MR	58	S	33--45	S
20 MAH-2014-19	85	S	23	MR	9	R	29	MS	23--29	S
21 PM17105L	100	S	20	MR	26	MS	73	S	9--16	S
22 IMHBG-17K-25	97	S	13	MR	26	MS	55	S	17--22	S
23 GH 160131	100	S	7	R	26	MS	31	MS	11--23	S
24 OMH16-2	42	MS	13	MR	22	MR	42	MS	27--38	S

Contd.

Table 1.

S. No.	Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode	
		PZ		CWZ		NHZ		NWPZ		CWZ	
		MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction
25	JH 16046	100	S	21	MR	19	MR	76	S	18--27	S
26	ADV 1390064	28	MS	10	R	22	MR	40	MS	19--27	S
27	DKC 9185 (IR8449)	90	S	14	MR	10	R	11	MR	3--7	MR
28	DAS-MH-115	100	S	11	MR	5	R	88	S	21--34	S
29	IMHBG-17K-24	97	S	4	R	31	MS	50	MS	3--7	MR
30	16402-008-03-03	100	S	43	MS	36	MS	64	S	35--47	S
31	AYN716443	45	MS	4	R	11	MR	50	MS	12--18	S
32	DKC9189 (IR8545)	36	MS	6	R	0	R	52	S	14--19	S
33	OMH16-1	100	S	28	MS	2	R	49	MS	18--25	S
34	IIMRNH 1701	89	S	19	MR	20	MR	50	MS	14--20	S
35	QMH-1420	97	S	14	MR	30	MS	42	MS	23--29	S
36	BIO 218	93	S	6	R	2	R	14	MR	23--29	S
37	DAS-MH-114	100	S	7	R	19	MR	17	MR	18--25	S
38	TA 5084	93	S	4	R	32	MS	47	MS	13--19	S
39	JH 16031	75	S	6	R	34	MS	39	MS	14--20	S
40	GH 160224	100	S	37	MS	17	MR	52	S	10--18	S
41	KMH 463	66	S	21	MR	43	MS	17	MR	16--22	S
42	GK 3211	100	S	6	R	2	R	40	MS	18--28	S
43	CMH 14-720	100	S	5	R	18	MR	49	MS	16--27	S
44	JH 13346	66	S	5	R	43	MS	43	MS	20--27	S
45	SVMH-66	100	S	8	R	20	MR	25	MR	15--23	S
46	Rasi-2432	96	S	13	MR	16	MR	28	MS	24--34	S
47	IMHBG-17K-20	100	S	15	MR	15	MR	33	MS	12--20	S
48	REH 2015-7	100	S	11	MR	26	MS	64	S	31--44	S
49	JH 16040	100	S	11	MR	28	MS	29	MS	15--19	S
50	HT 17169	100	S	5	R	7	R	38	MS	21--40	S

Contd.

Table 1.

S. No.	Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode	
		PZ		CWZ		NHZ		NWPZ		CWZ	
		MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction
51	CMH 15-005	100	S	18	MR	9	R	53	S	2--5	MR
52	Rasi-3499	95	S	20	MR	7	R	44	MS	5--8	MR
53	KNMH-4410	100	S	13	MR	27	MS	42	MS	21--30	S
54	IIMRNH 1705	100	S	0	R	6	R	52	S	15--22	S
55	QMH-1353	87	S	14	MR	13	MR	21	MR	13--21	S
56	MAH-2014-3	100	S	15	MR	13	MR	38	MS	16--22	S
57	Super-1818	88	S	7	R	43	MS	46	MS	18--28	S
58	DKC 9182 (IR8513)	100	S	34	MS	6	R	9	R	26--32	S
59	PM17104L	90	S	3	R	15	MR	45	MS	5--8	MR
60	GH-1301	97	S	13	MR	21	MR	60	S	15--21	S
61	TMMH 2840	85	S	10	R	22	MR	57	S	16--26	S
62	AH-1645	89	S	0	R	24	MR	11	MR	20--26	S
63	VNR-35379	80	S	8	R	6	R	11	MR	15--20	S
64	IIMRNH 1703	100	S	6	R	9	R	37	MS	31--42	S
65	AMH-15119	100	S	29	MS	15	MR	43	MS	26--36	S
66	ADV 1390164	73	S	20	MR	11	MR	37	MS	16--23	S
67	TS 2505	94	S	33	MS	9	R	62	S	10--18	S
68	NMH-4530	100	S	12	MR	10	R	66	S	20--29	S
69	CMH 14-714	81	S	26	MS	25	MR	63	S	18--24	S
70	PM17106L	83	S	20	MR	10	R	38	MS	20--29	S
71	JH 16034	58	S	8	R	50	MS	53	S	17--26	S
72	IMHBG-17K-23	91	S	31	MS	32	MS	58	S	20--28	S
73	B-57	100	S	8	R	27	MS	31	MS	21--31	S
74	MFH 16-21	100	S	3	R	29	MS	58	S	12--16	S
75	CCH 2829	100	S	24	MR	16	MR	62	S	19--24	S
76	QMH-1347	67	S	10	R	21	MR	37	MS	10--16	S

Contd.

Table 1.

S. No. Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode	
	PZ		CWZ		NHZ		NWPZ		CWZ	
	MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction
77 JH 13336	100	S	17	MR	16	MR	30	MS	20--25	S
78 CMH 14-721	95	S	21	MR	25	MR	65	S	29--38	S
79 20637-009-03-02	100	S	46	MS	18	MR	75	S	33--42	S
80 PM17101L	93	S	2	R	15	MR	6	R	13--20	S
81 IIMRNH 1704	100	S	33	MS	19	MR	42	MS	19--28	S
82 BIO 9682 (C)	100	S	8	R	5	R	43	MS	22--32	S
83 CMH 08-287 (C)	100	S	6	R	18	MR	55	S	19--30	S
84 CMH 08-282 (C)	56	S	51	S	28	MS	56	S	17--24	S
Res. Check	5	R	14	MR	11	MR	-	-	4--8	MR
Sus. Check	95	S	81	S	64	S	50	MS	32--39	S
Local Check	-	-	-	-	50	MS	73	S	12--18	S

Res. Check:- SDM:- NAH-1137 (Mandya); **RDM:-** DHM-117 (Udaipur); **BSR:-** DH-1107 (Dhaulakuan); **Cyst Nematode:-** Pratap Hybrid Maize-3 (Udaipur)

Sus. Check:- SDM:- CM 500 (Mandya); **RDM:-** Surya (Udaipur); **BSR:-** CM 600 (Dhaulakuan, Pantnagar); **Cyst Nematode:-** Pratap Makka-3 (Udaipur)

Local Check:- BSR:- Early Composite (Dhaulakuan); PSM-3 (Pantnagar); **Cyst Nematode:-** Pratap Makka-9 (Udaipur)

Table 2. Screening of NIVT (medium maturity) maize hybrids

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ				NEPZ				
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
1	IMHBG-17K-7	2.0	4.5	2.0	2.8	R	3.5	7.7	5.6	MS
2	HKH 364	1.0	5.5	3.5	3.3	MR	8.5	8.2	8.4	S
3	KMH 16-2	2.0	5.0	4.5	3.8	MR	8.5	8.2	8.4	S
4	BLH 122	1.0	6.0	4.0	3.7	MR	8.5	7.6	8.1	S
5	AH 6017	2.0	5.5	4.0	3.8	MR	6.5	8.3	7.4	S
6	BLH 121	2.0	4.5	3.5	3.3	MR	6.0	8.1	7.1	MS
7	LMH 1017	1.0	4.0	2.0	2.3	R	3.5	7.3	5.4	MS
8	KMH 16-1	1.0	6.5	2.5	3.3	MR	8.5	7.0	7.8	S
9	IIMRNH 1702	2.0	5.5	3.0	3.5	MR	7.0	6.8	6.9	MS
10	RCRMH3(CAH156)	1.0	4.0	3.0	2.7	R	4.5	7.2	5.9	MS
11	BLH 120	1.0	4.5	2.5	2.7	R	8.5	8.2	8.4	S
12	VaMH 15036	1.0	4.5	2.5	2.7	R	7.0	7.1	7.1	MS
13	ADV 140235	2.0	6.0	4.5	4.2	MR	8.0	8.2	8.1	S
14	SYN716725	2.0	4.0	2.5	2.8	R	8.5	6.8	7.7	S
15	IMHBG-17K-19	2.0	3.5	2.0	2.5	R	6.0	8.0	7.0	MS
16	JH 16029	1.0	4.5	2.0	2.5	R	9.0	8.2	8.6	S
17	AH-7067R	1.0	4.5	2.5	2.7	R	5.5	8.0	6.8	MS
18	IMHBG-17K-18	3.0	5.0	2.5	3.5	MR	4.0	7.8	5.9	MS
19	BH 415158	2.0	4.0	2.0	2.7	R	4.0	8.0	6.0	MS
20	HKH 361	2.0	5.0	2.5	3.2	MR	8.5	7.2	7.9	S
21	UDMH-132	1.0	6.0	3.0	3.3	MR	7.5	7.6	7.6	S
22	KH 103	1.0	4.5	2.5	2.7	R	4.0	7.0	5.5	MS
23	IMHBG-17K-3	2.0	5.5	4.5	4.0	MR	7.0	6.9	7.0	MS
24	LMH 817	1.0	4.0	2.0	2.3	R	7.5	7.4	7.5	S
25	JASL-2033	1.0	4.5	2.0	2.5	R	8.0	6.5	7.3	S

Contd.

Table 2.

S. No.	Genotype	Maydis leaf blight (1-9)									
		NWPZ					NEPZ				
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction	
26	IMHBG-17K-2	1.0	4.5	3.0	2.8	R	6.0	8.0	7.0	MS	
27	LMH 917	1.0	6.0	3.0	3.3	MR	5.5	8.3	6.9	MS	
28	IMHBG-17K-10	1.0	3.5	2.5	2.3	R	4.0	7.3	5.7	MS	
29	IMHBG-17K-12	1.0	6.0	3.5	3.5	MR	7.0	7.8	7.4	S	
30	UDMH-131	1.0	4.0	4.0	3.0	R	8.5	7.9	8.2	S	
31	IMHBG-17K-4	4.0	5.5	3.0	4.2	MR	8.0	7.9	8.0	S	
32	IMHBG-17K-16	1.0	3.5	2.5	2.3	R	3.5	8.1	5.8	MS	
33	JH 16045	1.0	5.5	3.0	3.2	MR	5.5	7.9	6.7	MS	
34	LMH1117	1.0	5.0	4.0	3.3	MR	4.5	7.4	6.0	MS	
35	IMHBG-17K-14	4.0	4.0	3.0	3.7	MR	7.5	6.3	6.9	MS	
36	AH 6008	1.0	5.5	4.0	3.5	MR	7.0	6.5	6.8	MS	
37	KMH 16-40	4.0	8.5	6.0	6.2	MS	8.0	7.6	7.8	S	
38	MMH 16-11	2.0	5.0	3.0	3.3	MR	7.0	7.8	7.4	S	
39	K-27	2.0	6.5	3.0	3.8	MR	7.0	7.6	7.3	S	
40	IMHBG-17K-8	1.0	4.0	2.0	2.3	R	5.0	7.7	6.4	MS	
41	STAR-X-16	1.0	4.5	4.5	3.3	MR	8.0	7.3	7.7	S	
42	EH 2870	2.0	5.0	2.5	3.2	MR	5.0	7.9	6.5	MS	
43	STAR-X-20	1.0	4.0	3.5	2.8	R	8.0	7.3	7.7	S	
44	EH 2898	4.0	4.0	2.0	3.3	MR	6.0	8.2	7.1	MS	
45	DAS-MH-311	1.0	5.0	3.0	3.0	R	8.0	7.9	8.0	S	
46	BRMH-10 (CAH-1566)	1.0	5.0	3.0	3.0	R	8.0	5.8	6.9	MS	
47	AMH-14258	1.0	6.0	4.5	3.8	MR	8.0	7.4	7.7	S	
48	HKH 363	1.0	4.5	2.5	2.7	R	9.0	8.4	8.7	S	
49	WH-1010	1.0	5.0	3.5	3.2	MR	6.0	6.8	6.4	MS	
50	NMH-51+	1.0	6.5	4.5	4.0	MR	8.0	8.3	8.2	S	
51	GK 3215	2.0	6.0	3.5	3.8	MR	8.0	8.3	8.2	S	
52	MMH 16-12	3.0	6.5	5.0	4.8	MR	8.0	8.2	8.1	S	

Contd.

Table 2.

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ					NEPZ			
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
53	KMH 16-42	2.0	6.0	5.0	4.3	MR	8.0	8.2	8.1	S
54	IMHBG-17K-13	4.0	4.0	2.5	3.5	MR	7.5	8.5	8.0	S
55	PM17102M	1.0	7.0	3.5	3.8	MR	6.5	7.5	7.0	MS
56	KMH 16-29	1.0	7.5	4.0	4.2	MR	8.5	7.7	8.1	S
57	BLH 119	3.0	4.5	2.0	3.2	MR	7.0	6.5	6.8	MS
58	DH-314	1.0	5.0	2.5	2.8	R	4.5	8.4	6.5	MS
59	GK 3213	2.0	6.0	4.0	4.0	MR	8.0	7.1	7.6	S
60	IMHBG-17K-21	1.0	5.5	4.5	3.7	MR	7.5	6.7	7.1	MS
61	PM17103M	1.0	5.5	3.0	3.2	MR	7.5	6.9	7.2	S
62	IMHBG-17K-22	1.0	5.5	3.0	3.2	MR	6.5	8.1	7.3	S
63	IMHBG-17K-6	1.0	4.5	2.0	2.5	R	6.5	7.9	7.2	S
64	JKMH 15303	3.0	6.5	3.0	4.2	MR	7.5	7.7	7.6	S
65	NMH-4053	1.0	5.5	3.5	3.3	MR	8.0	8.1	8.1	S
66	CCH 1818	1.0	5.5	2.5	3.0	R	7.5	6.8	7.2	S
67	HKH 362	3.0	5.0	3.0	3.7	MR	7.5	8.5	8.0	S
68	16402-008-01-01-03-5-2	1.0	4.0	2.0	2.3	R	5.5	7.9	6.7	MS
69	BLH 118	1.0	6.0	4.0	3.7	MR	5.5	8.3	6.9	MS
70	BH 415012	1.0	4.5	2.5	2.7	R	7.0	8.4	7.7	S
71	STAR-X-14	1.0	5.5	3.5	3.3	MR	7.0	7.7	7.4	S
72	NMH-4139	2.0	5.0	3.5	3.5	MR	7.0	6.9	7.0	MS
73	WH-1094	2.0	5.0	3.0	3.3	MR	8.0	7.6	7.8	S
74	VaMH 15005	3.0	4.5	2.5	3.3	MR	4.5	7.8	6.2	MS
75	AH 6009	2.0	8.0	3.5	4.5	MR	7.5	7.2	7.4	S
76	IMHBG-17K-11	1.0	7.0	4.0	4.0	MR	9.0	7.9	8.5	S
77	JH 32055	4.0	4.0	3.0	3.7	MR	5.0	8.4	6.7	MS
78	IMHBG-17K-17	2.0	5.0	3.0	3.3	MR	6.5	7.1	6.8	MS
79	IMHBG-17K-1	1.0	4.0	3.0	2.7	R	5.0	8.2	6.6	MS

Contd.

Table 2.

S. No.	Genotype	Maydis leaf blight (1-9)									
		NWPZ					NEPZ				
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction	
80	DKC7181 (IR8003)	1.0	4.5	2.5	2.7	R	7.5	7.4	7.5	S	
81	AH 6007	1.0	6.0	4.0	3.7	MR	7.5	8.3	7.9	S	
82	REH 2013-21	3.0	5.0	2.5	3.5	MR	7.0	8.1	7.6	S	
83	GH 160295	1.0	3.0	2.5	2.2	R	5.0	7.4	6.2	MS	
84	IMHBG-17K-9	1.0	4.5	4.0	3.2	MR	7.0	8.1	7.6	S	
85	RCRMH 4-1	3.0	7.5	5.5	5.3	MS	8.0	7.9	8.0	S	
86	BH 415100	2.0	4.5	2.5	3.0	R	7.0	8.6	7.8	S	
87	GIN-03	3.0	4.0	2.0	3.0	R	8.5	8.3	8.4	S	
88	ADV 140187	1.0	5.5	5.5	4.0	MR	8.5	8.0	8.3	S	
89	KMH 16-25	1.0	6.5	4.0	3.8	MR	8.0	7.8	7.9	S	
90	AH-1606	1.0	4.0	3.5	2.8	R	3.5	8.3	5.9	MS	
91	DKC8181 (IR8004)	2.0	4.0	3.0	3.0	R	6.5	7.8	7.2	S	
92	IMHBG-17K-5	1.0	4.5	3.5	3.0	R	7.5	7.5	7.5	S	
93	IMHBG-17K-15	1.0	4.0	3.5	2.8	R	4.0	8.0	6.0	MS	
94	BLH 117	1.0	5.5	2.5	3.0	R	5.0	8.1	6.6	MS	
95	STAR-X-18	3.0	5.0	3.0	3.7	MR	8.5	7.5	8.0	S	
96	REH 2013-15	3.0	5.0	4.0	4.0	MR	8.5	7.8	8.2	S	
97	OMH16-4	4.0	4.0	3.0	3.7	MR	6.0	8.1	7.1	MS	
98	CMH 08-292 (C)	1.0	3.5	2.0	2.2	R	4.5	6.8	5.7	MS	
99	BIO 9544 (C)	2.0	4.0	2.0	2.7	R	7.5	7.5	7.5	S	
100	DHM 121 (C)	1.0	-	-	1.0	R	8.0	6.7	7.4	S	
	Res. Check	-	-	2.8	2.8	R	-	-	-	-	
	Sus. Check	8.0	7.0	5.2	6.7	MS	8.4	8.4	8.4	S	
	Local Check	-	-	6.4	6.4	MS	-	-	-	-	

Contd.

Res. Check:- MLB:- LET DR (Ludhiana)

Sus. Check:- MLB:- CM 600 (Delhi, Karnal, Kalyani); CM 501 (Ludhiana); CML 186 (Dholi)

Local Check:- MLB:- CM 140 (Ludhiana)

Table 2.

S. No.	Genotype	Turcicum leaf blight (1-9)								
		NHZ				PZ				
		ALMO	BAJA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
1	IMHBG-17K-7	5.0	3.5	4.0	4.2	MR	3.8	1.0	2.4	R
2	HKH 364	5.0	4.5	4.5	4.7	MR	7.5	3.5	5.5	MS
3	KMH 16-2	4.0	3.5	5.0	4.2	MR	9.0	2.5	5.8	MS
4	BLH 122	4.0	3.0	4.5	3.8	MR	6.0	4.5	5.3	MS
5	AH 6017	5.0	3.5	3.0	3.8	MR	5.0	2.5	3.8	MR
6	BLH 121	5.0	3.0	3.5	3.8	MR	6.0	1.5	3.8	MR
7	LMH 1017	3.0	3.0	3.5	3.2	MR	5.0	1.0	3.0	R
8	KMH 16-1	7.0	4.0	6.0	5.7	MS	9.0	5.5	7.3	S
9	IIMRNH 1702	3.0	3.5	3.0	3.2	MR	3.8	1.5	2.6	R
10	RCRMH3(CAH156)	3.0	3.0	4.0	3.3	MR	4.5	1.0	2.8	R
11	BLH 120	5.0	3.0	3.0	3.7	MR	7.8	2.0	4.9	MR
12	VaMH 15036	3.0	3.0	4.5	3.5	MR	5.3	2.5	3.9	MR
13	ADV 140235	2.5	3.0	3.0	2.8	R	4.0	2.0	3.0	R
14	SYN716725	4.0	3.5	3.5	3.7	MR	4.0	2.0	3.0	R
15	IMHBG-17K-19	3.5	3.0	3.0	3.2	MR	4.0	1.0	2.5	R
16	JH 16029	3.0	3.0	4.0	3.3	MR	2.8	1.0	1.9	R
17	AH-7067R	3.0	3.0	3.0	3.0	R	7.0	1.5	4.3	MR
18	IMHBG-17K-18	3.0	2.5	3.5	3.0	R	3.5	1.0	2.3	R
19	BH 415158	2.5	3.0	3.0	2.8	R	4.3	1.0	2.6	R
20	HKH 361	6.0	4.0	5.5	5.2	MS	9.0	6.5	7.8	S
21	UDMH-132	4.0	3.0	3.5	3.5	MR	8.5	2.5	5.5	MS
22	KH 103	5.0	4.5	4.5	4.7	MR	6.5	5.0	5.8	MS
23	IMHBG-17K-3	4.0	3.5	4.5	4.0	MR	6.5	3.0	4.8	MR
24	LMH 817	4.0	2.5	5.5	4.0	MR	5.0	1.5	3.3	MR
25	JASL-2033	3.0	3.5	5.0	3.8	MR	8.0	2.5	5.3	MS

Contd.

Table 2.

S. No.	Genotype	Turcicum leaf blight (1-9)								
		NHZ				PZ				
		ALMO	BAJA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
26	IMHBG-17K-2	4.0	3.0	2.5	3.2	MR	5.0	1.5	3.3	MR
27	LMH 917	4.0	3.5	3.5	3.7	MR	6.5	2.5	4.5	MR
28	IMHBG-17K-10	3.0	2.5	3.0	2.8	R	5.8	1.5	3.6	MR
29	IMHBG-17K-12	5.0	2.5	4.0	3.8	MR	4.0	1.0	2.5	R
30	UDMH-131	4.0	5.0	2.5	3.8	MR	4.5	4.5	4.5	MR
31	IMHBG-17K-4	4.0	3.0	5.0	4.0	MR	4.0	3.0	3.5	MR
32	IMHBG-17K-16	4.0	3.5	3.5	3.7	MR	4.5	1.5	3.0	R
33	JH 16045	4.0	3.5	-	3.8	MR	8.0	4.5	6.3	MS
34	LMH1117	4.0	2.5	4.0	3.5	MR	3.5	2.0	2.8	R
35	IMHBG-17K-14	4.0	3.5	5.0	4.2	MR	4.0	1.5	2.8	R
36	AH 6008	5.0	3.0	4.5	4.2	MR	5.8	5.0	5.4	MS
37	KMH 16-40	6.0	3.0	4.5	4.5	MR	7.5	5.5	6.5	MS
38	MMH 16-11	2.0	2.5	3.0	2.5	R	6.0	2.5	4.3	MR
39	K-27	5.0	3.5	6.0	4.8	MR	7.5	4.5	6.0	MS
40	IMHBG-17K-8	4.0	3.0	4.0	3.7	MR	4.8	1.0	2.9	R
41	STAR-X-16	5.0	3.5	4.0	4.2	MR	8.3	3.0	5.6	MS
42	EH 2870	4.0	2.5	2.0	2.8	R	4.0	2.0	3.0	R
43	STAR-X-20	4.0	4.0	6.0	4.7	MR	6.5	1.5	4.0	MR
44	EH 2898	3.0	2.5	3.0	2.8	R	4.0	1.5	2.8	R
45	DAS-MH-311	4.0	3.5	5.0	4.2	MR	4.0	1.0	2.5	R
46	BRMH-10 (CAH-1566)	4.0	3.0	4.0	3.7	MR	4.5	1.5	3.0	R
47	AMH-14258	4.0	3.0	3.5	3.5	MR	5.0	1.5	3.3	MR
48	HKH 363	5.0	3.5	4.5	4.3	MR	4.5	3.5	4.0	MR
49	WH-1010	3.0	3.0	4.0	3.3	MR	6.0	2.0	4.0	MR
50	NMH-51+	7.0	5.0	5.0	5.7	MS	8.3	4.5	6.4	MS
51	GK 3215	3.5	4.0	4.5	4.0	MR	9.0	6.5	7.8	S
52	MMH 16-12	5.0	2.5	4.5	4.0	MR	6.3	2.0	4.1	MR

Contd.

Table 2.

S. No. Genotype	Turcicum leaf blight (1-9)								
	NHZ					PZ			
	ALMO	BAJA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
53 KMH 16-42	5.0	3.5	5.0	4.5	MR	7.5	6.0	6.8	MS
54 IMHBG-17K-13	5.0	3.5	4.0	4.2	MR	4.8	3.0	3.9	MR
55 PM17102M	5.0	2.5	4.5	4.0	MR	7.5	5.0	6.3	MS
56 KMH 16-29	5.0	4.5	5.5	5.0	MR	9.0	5.5	7.3	S
57 BLH 119	4.0	3.0	4.0	3.7	MR	5.5	1.0	3.3	MR
58 DH-314	3.0	3.0	4.0	3.3	MR	5.0	1.0	3.0	R
59 GK 3213	7.0	5.5	5.0	5.8	MS	8.5	5.0	6.8	MS
60 IMHBG-17K-21	4.0	3.0	4.0	3.7	MR	5.0	1.5	3.3	MR
61 PM17103M	3.0	4.0	4.5	3.8	MR	9.0	7.0	8.0	S
62 IMHBG-17K-22	4.5	3.0	4.0	3.8	MR	4.0	1.5	2.8	R
63 IMHBG-17K-6	3.0	2.5	3.5	3.0	R	3.5	1.0	2.3	R
64 JKMH 15303	5.0	3.5	6.0	4.8	MR	5.0	3.5	4.3	MR
65 NMH-4053	3.0	3.0	4.5	3.5	MR	3.0	3.5	3.3	MR
66 CCH 1818	5.0	4.0	4.5	4.5	MR	5.0	4.0	4.5	MR
67 HKH 362	6.0	4.5	5.5	5.3	MS	8.0	6.5	7.3	S
68 16402-008-01-01-03-5-2	2.5	2.5	2.5	2.5	R	3.8	1.5	2.6	R
69 BLH 118	2.0	3.5	4.0	3.2	MR	5.5	1.0	3.3	MR
70 BH 415012	5.0	2.5	4.5	4.0	MR	6.0	5.0	5.5	MS
71 STAR-X-14	4.0	2.5	3.5	3.3	MR	5.0	1.0	3.0	R
72 NMH-4139	5.0	3.5	5.0	4.5	MR	6.0	6.0	6.0	MS
73 WH-1094	3.0	2.0	3.0	2.7	R	5.3	1.0	3.1	R
74 VaMH 15005	4.0	3.0	4.0	3.7	MR	5.5	2.0	3.8	MR
75 AH 6009	5.0	3.5	3.0	3.8	MR	6.5	3.0	4.8	MR
76 IMHBG-17K-11	4.0	3.0	3.5	3.5	MR	6.5	3.0	4.8	MR
77 JH 32055	4.0	3.0	4.0	3.7	MR	5.0	1.5	3.3	MR
78 IMHBG-17K-17	3.0	3.0	4.5	3.5	MR	3.8	2.0	2.9	R
79 IMHBG-17K-1	4.0	4.0	3.0	3.7	MR	5.8	3.5	4.6	MR

Contd.

P-50

Table 2.

S. No.	Genotype	Turicum leaf blight (1-9)								
		NHZ				PZ				
		ALMO	BAJA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
80	DKC7181 (IR8003)	3.0	2.5	3.5	3.0	R	6.0	1.0	3.5	MR
81	AH 6007	3.0	3.5	5.5	4.0	MR	4.0	3.5	3.8	MR
82	REH 2013-21	3.5	2.5	4.0	3.3	MR	6.8	1.0	3.9	MR
83	GH 160295	3.0	3.0	2.5	2.8	R	3.8	1.5	2.6	R
84	IMHBG-17K-9	5.0	2.5	4.5	4.0	MR	5.0	2.5	3.8	MR
85	RCRMH 4-1	5.0	3.5	3.5	4.0	MR	4.5	2.0	3.3	MR
86	BH 415100	5.0	2.5	4.0	3.8	MR	4.8	2.0	3.4	MR
87	GIN-03	3.5	3.0	3.0	3.2	MR	6.0	1.5	3.8	MR
88	ADV 140187	5.0	3.5	4.5	4.3	MR	5.5	4.0	4.8	MR
89	KMH 16-25	5.0	3.5	5.0	4.5	MR	8.3	7.5	7.9	S
90	AH-1606	2.5	3.0	2.5	2.7	R	5.5	2.0	3.8	MR
91	DKC8181 (IR8004)	3.0	3.0	4.5	3.5	MR	4.5	1.0	2.8	R
92	IMHBG-17K-5	3.0	2.5	2.5	2.7	R	3.5	1.0	2.3	R
93	IMHBG-17K-15	4.0	3.5	4.5	4.0	MR	4.3	3.0	3.6	MR
94	BLH 117	3.0	3.5	3.0	3.2	MR	4.0	2.5	3.3	MR
95	STAR-X-18	5.0	3.0	4.0	4.0	MR	5.0	4.0	4.5	MR
96	REH 2013-15	6.0	4.5	6.0	5.5	MS	8.0	2.0	5.0	MR
97	OMH16-4	5.0	2.5	3.0	3.5	MR	5.0	1.0	3.0	R
98	CMH 08-292 (C)	3.0	2.5	2.5	2.7	R	5.3	1.0	3.1	R
99	BIO 9544 (C)	3.0	2.5	3.0	2.8	R	5.5	1.0	3.3	MR
100	DHM 121 (C)	-	-	5.0	5.0	MR	-	-	-	-
	Res. Check	2.0	-	-	2.0	R	4.0	2.0	3.0	R
	Sus. Check	8.0	8.2	8.0	8.1	S	9.0	7.5	8.3	S
	Local Check	-	-	-	-	-	-	-	-	-

Contd.

Res Check:- TLB:- VB-343 (Almora); CI 4 (Dharwad); NAH 1137 (Mandya)

Sus. Check:- TLB:- Jonsar local (Almora); NB-3 (Bajaura); Local check (Larnoo); CM 202 (Dharwad, Mandya)

Table 2.

S. No.	Genotype	Banded leaf and sheath blight (1-9)							CLS (1-9)	
		NHZ		NWPZ					CWZ	
		DHAU*	Reaction	DELH	KARN*	PANT	Av. Score	Reaction	UDAI	Reaction
1	IMHBG-17K-7	3.5	-	3.0	4.5	9.0	6.0	MS	2.0	R
2	HKH 364	2.5	-	2.0	1.0	8.0	5.0	MR	2.5	R
3	KMH 16-2	3.0	-	6.0	1.0	9.0	7.5	S	3.5	MR
4	BLH 122	3.0	-	2.0	1.5	7.5	4.8	MR	2.0	R
5	AH 6017	1.5	-	3.0	1.0	9.0	6.0	MS	2.0	R
6	BLH 121	3.5	-	4.0	1.0	5.5	4.8	MR	2.0	R
7	LMH 1017	2.5	-	2.0	1.0	7.5	4.8	MR	2.5	R
8	KMH 16-1	2.5	-	3.0	2.0	9.0	6.0	MS	1.5	R
9	IIMRNH 1702	2.5	-	2.0	1.0	8.0	5.0	MR	2.5	R
10	RCRMH3(CAH156)	2.5	-	6.0	1.5	7.0	6.5	MS	2.0	R
11	BLH 120	4.5	-	4.0	1.0	9.0	6.5	MS	3.5	MR
12	VaMH 15036	4.5	-	4.0	1.0	8.5	6.3	MS	4.5	MR
13	ADV 140235	2.0	-	7.0	1.0	8.5	7.8	S	2.0	R
14	SYN716725	2.5	-	5.0	1.0	9.0	7.0	MS	2.0	R
15	IMHBG-17K-19	2.0	-	2.0	1.0	6.5	4.3	MR	2.0	R
16	JH 16029	4.5	-	3.0	2.5	6.5	4.8	MR	2.5	R
17	AH-7067R	6.0	-	2.0	2.0	9.0	5.5	MS	4.5	MR
18	IMHBG-17K-18	3.0	-	2.0	1.0	7.0	4.5	MR	4.0	MR
19	BH 415158	2.5	-	2.0	1.0	9.0	5.5	MS	2.5	R
20	HKH 361	2.0	-	2.0	2.5	8.5	5.3	MS	3.5	MR
21	UDMH-132	2.0	-	2.0	1.0	9.0	5.5	MS	3.5	MR
22	KH 103	2.0	-	3.0	1.0	7.5	5.3	MS	4.0	MR
23	IMHBG-17K-3	4.5	-	2.0	1.0	8.0	5.0	MR	1.5	R
24	LMH 817	2.5	-	3.0	1.0	8.5	5.8	MS	3.0	R
25	JASL-2033	2.5	-	4.0	1.0	8.5	6.3	MS	2.5	R

Contd.

Table 2.

S. No.	Genotype	Banded leaf and sheath blight (1-9)							CLS (1-9)	
		NHZ		NWPZ					CWZ	
		DHAU*	Reaction	DELH	KARN*	PANT	Av. Score	Reaction	UDAI	Reaction
26	IMHBG-17K-2	3.5	-	5.0	2.5	7.5	6.3	MS	2.5	R
27	LMH 917	3.5	-	2.0	1.5	8.0	5.0	MR	2.5	R
28	IMHBG-17K-10	2.5	-	2.0	1.0	8.5	5.3	MS	2.0	R
29	IMHBG-17K-12	4.5	-	2.0	1.0	9.0	5.5	MS	2.5	R
30	UDMH-131	4.5	-	3.0	2.0	9.0	6.0	MS	2.5	R
31	IMHBG-17K-4	2.0	-	6.0	1.0	9.0	7.5	S	1.0	R
32	IMHBG-17K-16	3.5	-	3.0	2.0	9.0	6.0	MS	2.5	R
33	JH 16045	4.0	-	5.0	1.5	6.5	5.8	MS	2.5	R
34	LMH1117	3.5	-	4.0	1.5	8.0	6.0	MS	1.5	R
35	IMHBG-17K-14	3.5	-	3.0	1.0	9.0	6.0	MS	2.0	R
36	AH 6008	3.5	-	2.0	1.0	9.0	5.5	MS	2.5	R
37	KMH 16-40	2.0	-	2.0	1.0	9.0	5.5	MS	2.5	R
38	MMH 16-11	4.5	-	2.0	1.0	8.5	5.3	MS	2.5	R
39	K-27	3.0	-	6.0	5.5	9.0	7.5	S	1.5	R
40	IMHBG-17K-8	4.0	-	3.0	5.0	8.0	5.5	MS	2.0	R
41	STAR-X-16	3.0	-	2.0	1.5	9.0	5.5	MS	4.0	MR
42	EH 2870	3.5	-	1.0	1.5	6.0	3.5	MR	2.0	R
43	STAR-X-20	1.5	-	2.0	6.0	9.0	5.5	MS	6.5	MS
44	EH 2898	3.0	-	2.0	1.0	8.0	5.0	MR	2.0	R
45	DAS-MH-311	2.0	-	2.0	1.0	9.0	5.5	MS	2.0	R
46	BRMH-10 (CAH-1566)	5.0	-	3.0	2.0	8.5	5.8	MS	2.5	R
47	AMH-14258	3.0	-	1.0	1.0	6.5	3.8	MR	2.5	R
48	HKH 363	2.5	-	2.0	1.5	7.5	4.8	MR	3.5	MR
49	WH-1010	5.0	-	3.0	5.0	8.0	5.5	MS	2.0	R
50	NMH-51+	3.5	-	2.0	1.0	9.0	5.5	MS	3.0	R
51	GK 3215	3.0	-	4.0	2.5	7.5	5.8	MS	2.5	R
52	MMH 16-12	2.5	-	2.0	2.0	8.5	5.3	MS	2.5	R

Contd.

Table 2.

S. No. Genotype	Banded leaf and sheath blight (1-9)							CLS (1-9)	
	NHZ		NWPZ					CWZ	
	DHAU*	Reaction	DELH	KARN*	PANT	Av. Score	Reaction	UDAI	Reaction
53 KMH 16-42	2.5	-	2.0	1.5	9.0	5.5	MS	3.0	R
54 IMHBG-17K-13	2.5	-	2.0	1.0	8.5	5.3	MS	3.0	R
55 PM17102M	3.5	-	3.0	2.0	9.0	6.0	MS	3.0	R
56 KMH 16-29	2.5	-	5.0	1.5	9.0	7.0	MS	4.5	MR
57 BLH 119	5.0	-	5.0	2.0	9.0	7.0	MS	2.0	R
58 DH-314	3.5	-	3.0	1.0	9.0	6.0	MS	2.5	R
59 GK 3213	2.5	-	2.0	1.0	9.0	5.5	MS	2.5	R
60 IMHBG-17K-21	3.0	-	8.0	1.0	9.0	8.5	S	5.0	MR
61 PM17103M	3.0	-	2.0	1.0	9.0	5.5	MS	2.0	R
62 IMHBG-17K-22	3.5	-	3.0	1.0	9.0	6.0	MS	3.5	MR
63 IMHBG-17K-6	4.0	-	4.0	1.0	7.5	5.8	MS	2.0	R
64 JKMH 15303	4.0	-	3.0	2.0	9.0	6.0	MS	3.5	MR
65 NMH-4053	1.5	-	4.0	1.0	8.5	6.3	MS	2.5	R
66 CCH 1818	2.5	-	5.0	1.0	6.5	5.8	MS	2.1	R
67 HKH 362	4.0	-	-	1.0	8.5	8.5	S	2.0	R
68 16402-008-01-01-03-5-2	2.0	-	2.0	1.0	8.5	5.3	MS	2.0	R
69 BLH 118	3.5	-	6.0	1.0	7.0	6.5	MS	3.0	R
70 BH 415012	3.0	-	8.0	1.0	9.0	8.5	S	2.5	R
71 STAR-X-14	4.0	-	2.0	5.0	9.0	5.5	MS	2.0	R
72 NMH-4139	3.5	-	2.0	1.5	9.0	5.5	MS	6.0	MS
73 WH-1094	2.5	-	2.0	1.0	5.5	3.8	MR	4.0	MR
74 VaMH 15005	3.0	-	2.0	5.0	9.0	5.5	MS	3.0	R
75 AH 6009	3.0	-	2.0	1.0	8.0	5.0	MR	3.0	R
76 IMHBG-17K-11	2.5	-	2.0	1.0	8.5	5.3	MS	4.5	MR
77 JH 32055	4.0	-	2.0	1.0	8.5	5.3	MS	3.0	R
78 IMHBG-17K-17	5.0	-	7.0	2.0	6.0	6.5	MS	2.0	R
79 IMHBG-17K-1	2.5	-	5.0	1.0	8.0	6.5	MS	2.5	R

Contd.

Table 2.

S. No. Genotype	Banded leaf and sheath blight (1-9)							CLS (1-9)	
	NHZ		NWPZ					CWZ	
	DHAU*	Reaction	DELH	KARN*	PANT	Av. Score	Reaction	UDAI	Reaction
80 DKC7181 (IR8003)	3.5	-	3.0	1.0	9.0	6.0	MS	2.0	R
81 AH 6007	3.5	-	-	1.0	9.0	9.0	S	1.5	R
82 REH 2013-21	3.0	-	2.0	1.0	8.0	5.0	MR	2.0	R
83 GH 160295	1.0	-	2.0	1.0	7.0	4.5	MR	1.5	R
84 IMHBG-17K-9	3.5	-	2.0	4.0	6.5	4.3	MR	2.5	R
85 RCRMH 4-1	2.5	-	2.0	3.0	9.0	5.5	MS	4.0	MR
86 BH 415100	2.5	-	5.0	1.0	8.5	6.8	MS	2.5	R
87 GIN-03	4.0	-	3.0	1.0	9.0	6.0	MS	3.5	MR
88 ADV 140187	3.5	-	5.0	1.0	6.5	5.8	MS	2.0	R
89 KMH 16-25	5.5	-	6.0	3.5	9.0	7.5	S	4.5	MR
90 AH-1606	4.5	-	2.0	1.0	7.5	4.8	MR	1.5	R
91 DKC8181 (IR8004)	2.5	-	3.0	2.0	4.5	3.8	MR	3.0	R
92 IMHBG-17K-5	2.5	-	2.0	1.0	8.5	5.3	MS	3.0	R
93 IMHBG-17K-15	3.5	-	2.0	1.0	8.0	5.0	MR	1.0	R
94 BLH 117	2.5	-	4.0	2.0	6.0	5.0	MR	2.5	R
95 STAR-X-18	2.5	-	1.0	1.5	8.5	4.8	MR	4.0	MR
96 REH 2013-15	1.0	-	3.0	2.5	8.5	5.8	MS	3.0	R
97 OMH16-4	3.5	-	2.0	1.0	5.0	3.5	MR	4.5	MR
98 CMH 08-292 (C)	4.5	-	5.0	1.0	6.5	5.8	MS	2.0	R
99 BIO 9544 (C)	3.0	-	6.0	1.0	8.5	7.3	S	2.5	R
100 DHM 121 (C)	-	-	-	-	-	-	-	2.0	R
Res. Check	0.5	-	-	-	-	-	-	3.3	MR
Sus. Check	6.5	-	9.0	3.5	9.0	9.0	S	6.3	MS
Local Check	6.0	-	-	-	9.0	9.0	S	-	-

*Data is not considered due to low disease pressure

Contd.

Res. Check:- BLSB:- DH 1107 (Dhaulakuan); CLS:- DHM 117 (Udaipur)**Sus. Check:-** BLSB:- CM 600 (Dhaulakuan, Karnal, Pantnagar); CM 501 (Delhi); CLS:- Surya (Udaipur)**Local Check:-** BLSB:- Early Compsite (Dhaulakuan); PSM 3 (Pantnagar)

Table 2.

S. No.	Genotype	Charcoal rot (1-9)					C. Rust (1-9)		P. Rust (1-9)*		
		NWPZ		PZ			PZ		PZ		
		LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
1	IMHBG-17K-7	5.2	MS	1.8	5.7	3.7	MR	2.5	MR	1.5	-
2	HKH 364	3.9	MR	1.6	2.9	2.2	R	7.8	S	5.0	-
3	KMH 16-2	6.1	MS	2.2	3.1	2.6	R	6.3	S	5.0	-
4	BLH 122	4.9	MR	3.1	6.0	4.5	MR	3.8	MR	1.0	-
5	AH 6017	5.5	MS	2.3	4.9	3.6	MR	3.3	MR	1.5	-
6	BLH 121	4.4	MR	3.9	3.4	3.6	MR	5.0	MS	2.0	-
7	LMH 1017	2.6	R	1.5	2.7	2.1	R	2.5	MR	3.0	-
8	KMH 16-1	6.1	MS	4.5	6.0	5.2	MS	4.5	MS	5.5	-
9	IIMRNH 1702	5.5	MS	3.0	4.1	3.5	MR	7.0	S	4.0	-
10	RCRMH3(CAH156)	3.5	MR	2.5	2.8	2.6	R	5.5	MS	1.0	-
11	BLH 120	4.7	MR	3.9	6.4	5.1	MR	5.0	MS	2.5	-
12	VaMH 15036	5.6	MS	5.0	2.9	3.9	MR	4.5	MS	2.0	-
13	ADV 140235	5.2	MS	2.0	3.1	2.6	R	2.5	MR	1.0	-
14	SYN716725	3.4	MR	1.4	3.1	2.2	R	4.0	MR	3.0	-
15	IMHBG-17K-19	3.9	MR	3.4	5.1	4.2	MR	4.0	MR	1.0	-
16	JH 16029	3.0	R	2.7	5.6	4.1	MR	2.3	MR	1.5	-
17	AH-7067R	5.0	MR	2.9	3.6	3.2	MR	4.0	MR	1.0	-
18	IMHBG-17K-18	3.2	MR	2.1	3.5	2.8	R	6.0	MS	1.5	-
19	BH 415158	4.3	MR	1.4	5.7	3.5	MR	3.0	MR	2.5	-
20	HKH 361	4.1	MR	3.9	4.1	4.0	MR	5.0	MS	1.5	-
21	UDMH-132	6.1	MS	3.9	4.2	4.0	MR	6.0	MS	2.0	-
22	KH 103	3.4	MR	2.5	3.5	3.0	R	5.8	MS	1.0	-
23	IMHBG-17K-3	6.5	MS	3.0	4.1	3.5	MR	2.5	MR	1.0	-
24	LMH 817	4.1	MR	1.5	3.0	2.2	R	8.5	S	5.0	-
25	JASL-2033	5.9	MS	1.3	4.3	2.8	R	6.0	MS	3.0	-

Contd.

Table 2.

S. No.	Genotype	Charcoal rot (1-9)					C. Rust (1-9)		P. Rust (1-9)*		
		NWPZ		PZ			PZ		PZ		
		LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
26	IMHBG-17K-2	4.8	MR	5.2	4.3	4.7	MR	4.5	MS	1.5	-
27	LMH 917	6.3	MS	1.8	3.4	2.6	R	6.0	MS	5.0	-
28	IMHBG-17K-10	4.4	MR	3.1	4.0	3.5	MR	3.5	MR	1.5	-
29	IMHBG-17K-12	6.3	MS	3.9	5.9	4.9	MR	3.5	MR	2.5	-
30	UDMH-131	3.7	MR	2.7	2.6	2.7	R	7.0	S	1.0	-
31	IMHBG-17K-4	4.6	MR	4.5	3.8	4.1	MR	3.0	MR	1.0	-
32	IMHBG-17K-16	4.9	MR	1.6	3.1	2.3	R	3.5	MR	2.0	-
33	JH 16045	4.5	MR	3.1	2.9	3.0	R	8.5	S	3.5	-
34	LMH1117	4.9	MR	1.7	5.0	3.3	MR	4.3	MS	1.0	-
35	IMHBG-17K-14	5.0	MR	2.7	5.8	4.2	MR	4.0	MR	1.5	-
36	AH 6008	5.1	MR	3.7	3.4	3.5	MR	6.8	S	3.0	-
37	KMH 16-40	5.8	MS	3.0	6.9	4.9	MR	7.5	S	5.0	-
38	MMH 16-11	4.7	MR	3.2	5.2	4.2	MR	6.5	S	2.5	-
39	K-27	4.3	MR	4.7	4.8	4.7	MR	3.5	MR	1.5	-
40	IMHBG-17K-8	3.1	R	4.2	3.8	4.0	MR	3.0	MR	1.0	-
41	STAR-X-16	5.6	MS	2.0	4.4	3.2	MR	8.0	S	4.0	-
42	EH 2870	4.6	MR	2.8	5.4	4.1	MR	3.5	MR	4.0	-
43	STAR-X-20	4.8	MR	3.7	4.6	4.1	MR	3.5	MR	5.5	-
44	EH 2898	4.6	MR	3.1	5.0	4.1	MR	5.8	MS	1.0	-
45	DAS-MH-311	4.8	MR	2.3	4.0	3.1	R	6.0	MS	2.5	-
46	BRMH-10 (CAH-1566	4.4	MR	3.7	4.0	3.8	MR	4.3	MS	1.0	-
47	AMH-14258	4.9	MR	2.1	4.6	3.4	MR	4.3	MS	2.5	-
48	HKH 363	5.7	MS	4.0	5.2	4.6	MR	3.3	MR	4.0	-
49	WH-1010	3.4	MR	1.8	5.0	3.4	MR	6.5	S	2.0	-
50	NMH-51+	6.2	MS	2.8	5.1	3.9	MR	5.5	MS	4.0	-
51	GK 3215	6.3	MS	4.4	5.1	4.7	MR	3.8	MR	1.0	-
52	MMH 16-12	4.4	MR	2.5	4.8	3.6	MR	7.0	S	2.0	-

Contd.

Table 2.

S. No.	Genotype	Charcoal rot (1-9)						C. Rust (1-9)		P. Rust (1-9)*	
		NWPZ		PZ				PZ		PZ	
		LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
53	KMH 16-42	7.2	S	5.0	3.3	4.1	MR	4.0	MR	3.5	-
54	IMHBG-17K-13	6.7	MS	3.9	4.1	4.0	MR	4.5	MS	1.0	-
55	PM17102M	3.4	MR	2.3	3.2	2.8	R	8.5	S	3.5	-
56	KMH 16-29	6.0	MS	2.6	4.1	3.4	MR	5.0	MS	1.5	-
57	BLH 119	3.9	MR	4.4	4.1	4.2	MR	6.0	MS	2.5	-
58	DH-314	5.5	MS	1.8	4.5	3.1	R	4.5	MS	1.0	-
59	GK 3213	5.7	MS	3.1	5.1	4.1	MR	5.0	MS	1.0	-
60	IMHBG-17K-21	4.1	MR	2.2	4.8	3.5	MR	5.5	MS	2.5	-
61	PM17103M	4.3	MR	3.3	3.1	3.2	MR	5.0	MS	1.5	-
62	IMHBG-17K-22	3.9	MR	1.9	4.6	3.2	MR	2.0	R	1.0	-
63	IMHBG-17K-6	5.1	MR	2.9	3.2	3.0	R	2.0	R	1.5	-
64	JKMH 15303	6.1	MS	2.3	3.0	2.6	R	7.5	S	4.0	-
65	NMH-4053	4.7	MR	2.3	3.9	3.1	R	2.8	MR	1.5	-
66	CCH 1818	4.7	MR	2.6	4.3	3.4	MR	3.8	MR	2.0	-
67	HKH 362	5.7	MS	1.8	3.8	2.8	R	7.0	S	1.0	-
68	16402-008-01-01-03-5-2	4.3	MR	2.1	4.0	3.0	R	2.3	MR	1.0	-
69	BLH 118	3.6	MR	3.4	6.2	4.8	MR	5.0	MS	3.0	-
70	BH 415012	4.9	MR	2.6	5.4	4.0	MR	4.3	MS	2.0	-
71	STAR-X-14	4.1	MR	2.3	5.2	3.8	MR	7.0	S	5.0	-
72	NMH-4139	4.6	MR	3.0	5.5	4.2	MR	7.5	S	1.0	-
73	WH-1094	4.9	MR	1.8	4.7	3.2	MR	4.5	MS	2.0	-
74	VaMH 15005	4.9	MR	2.8	5.1	4.0	MR	8.5	S	5.0	-
75	AH 6009	4.5	MR	4.1	4.4	4.2	MR	7.5	S	2.0	-
76	IMHBG-17K-11	5.4	MS	2.1	3.4	2.8	R	5.5	MS	3.5	-
77	JH 32055	5.7	MS	3.4	5.8	4.6	MR	5.5	MS	3.5	-
78	IMHBG-17K-17	6.4	MS	3.5	4.3	3.9	MR	2.8	MR	5.0	-
79	IMHBG-17K-1	3.7	MR	1.9	3.9	2.9	R	4.3	MS	1.0	-

Contd.

Table 2.

S. No.	Genotype	Charcoal rot (1-9)						C. Rust (1-9)		P. Rust (1-9)*	
		NWPZ		PZ				PZ		PZ	
		LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
80	DKC7181 (IR8003)	3.3	MR	2.4	5.4	3.9	MR	5.0	MS	3.5	-
81	AH 6007	6.3	MS	3.7	3.9	3.8	MR	3.0	MR	4.5	-
82	REH 2013-21	4.7	MR	2.6	4.9	3.8	MR	4.0	MR	2.5	-
83	GH 160295	2.9	R	3.3	3.8	3.5	MR	2.0	R	1.5	-
84	IMHBG-17K-9	3.4	MR	3.2	3.8	3.5	MR	3.0	MR	1.0	-
85	RCRMH 4-1	3.4	MR	3.1	4.3	3.7	MR	5.0	MS	1.0	-
86	BH 415100	6.4	MS	2.1	5.3	3.7	MR	6.5	S	1.5	-
87	GIN-03	4.1	MR	3.3	4.2	3.8	MR	5.8	MS	1.5	-
88	ADV 140187	4.3	MR	2.6	4.3	3.4	MR	5.3	MS	1.0	-
89	KMH 16-25	6.3	MS	5.2	4.2	4.7	MR	5.5	MS	1.0	-
90	AH-1606	5.6	MS	2.4	3.1	2.7	R	6.5	S	4.0	-
91	DKC8181 (IR8004)	3.2	MR	3.7	2.3	3.0	R	4.3	MS	2.0	-
92	IMHBG-17K-5	4.1	MR	2.7	3.0	2.8	R	6.5	S	1.5	-
93	IMHBG-17K-15	6.0	MS	2.5	5.0	3.7	MR	5.0	MS	4.0	-
94	BLH 117	4.2	MR	2.8	5.6	4.2	MR	5.0	MS	1.0	-
95	STAR-X-18	4.8	MR	4.1	5.8	4.9	MR	3.8	MR	3.0	-
96	REH 2013-15	4.2	MR	1.9	4.2	3.0	R	4.0	MR	1.5	-
97	OMH16-4	4.9	MR	2.6	5.7	4.1	MR	6.5	S	2.5	-
98	CMH 08-292 (C)	3.4	MR	3.0	4.5	3.7	MR	5.8	MS	2.5	-
99	BIO 9544 (C)	3.4	MR	2.5	4.7	3.6	MR	5.5	MS	2.5	-
100	DHM 121 (C)	-	-	4.4	5.7	5.0	MR	-	-	-	-
	Res. Check	3.4	MR	1.0	2.9	2.0	R	4.0	MR	2.3	-
	Sus. Check	5.5	MS	6.3	7.2	6.8	MS	8.0	S	5.5	-
	Local Check	7.0	MS	-	6.7	6.7	MS	-	-	-	-

*Data is not considered due to low disease pressure

Contd.

Res. Check:- C.Rot:- LET DR (Ludhiana); CoH6 (Coimbatore); JCY2-7 (Hyderabad); **C.Rust:-** CI 4 (Dharwad); **P.Rust:-** NAH 1137 (Mandya)

Sus. Check:- C.Rot:- CM 501 (Ludhiana, Hyderabad); CM 600 (Coimbatore); **C.Rust:-** CM 202 (Dharwad); **P.Rust:-** CM 202 (Mandya)

Local Check:- C.Rot:- CM 140 (Ludhiana); BML-6 (Hyderabad)

Table 2.

S. No. Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode	
	PZ		CWZ		NHZ		NWPZ		CWZ	
	MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction
	Range cyst/ plant N=5									
1 IMHBG-17K-7	100	S	5	R	34	MS	0	R	13--20	S
2 HKH 364	100	S	4	R	44	MS	10	R	17--27	S
3 KMH 16-2	100	S	27	MS	54	S	29	MS	33--43	S
4 BLH 122	100	S	7	R	38	MS	10	R	31--42	S
5 AH 6017	92	S	27	MS	58	S	6	R	14--23	S
6 BLH 121	36	MS	19	MR	66	S	0	R	32--48	S
7 LMH 1017	67	S	23	MR	30	MS	5	R	32--35	S
8 KMH 16-1	100	S	9	R	45	MS	14	MR	34--46	S
9 IIMRNH 1702	100	S	7	R	42	MS	37	MS	13--25	S
10 RCRMH3(CAH156)	92	S	3	R	35	MS	0	R	4--8	MR
11 BLH 120	34	MS	4	R	43	MS	11	MR	20--32	S
12 VaMH 15036	83	S	50	MS	57	S	13	MR	20--29	S
13 ADV 140235	14	MR	12	MR	48	MS	13	MR	13--19	S
14 SYN716725	90	S	8	R	20	MR	13	MR	15--22	S
15 IMHBG-17K-19	56	S	21	MR	21	MR	0	R	15--29	S
16 JH 16029	58	S	3	R	47	MS	11	MR	23--34	S
17 AH-7067R	85	S	10	R	44	MS	6	R	14--22	S
18 IMHBG-17K-18	83	S	0	R	25	MR	0	R	18--27	S
19 BH 415158	83	S	3	R	26	MS	6	R	11--17	S
20 HKH 361	100	S	12	MR	59	S	4	R	12--19	S
21 UDMH-132	92	S	15	MR	48	MS	43	MS	20--31	S
22 KH 103	62	S	15	MR	36	MS	0	R	3--7	MR
23 IMHBG-17K-3	100	S	13	MR	51	S	25	MR	13--19	S
24 LMH 817	100	S	21	MR	40	MS	17	MR	14--19	S
25 JASL-2033	100	S	6	R	48	MS	6	R	34--43	S

Contd.

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Table 2.

S. No.	Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode	
		PZ		CWZ		NHZ		NWPZ		CWZ	
		MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction
26	IMHBG-17K-2	100	S	11	MR	60	S	48	MS	16--24	S
27	LMH 917	100	S	53	S	46	MS	0	R	23--32	S
28	IMHBG-17K-10	100	S	15	MR	44	MS	0	R	16--21	S
29	IMHBG-17K-12	100	S	14	MR	38	MS	23	MR	15--24	S
30	UDMH-131	89	S	4	R	33	MS	25	MR	35--46	S
31	IMHBG-17K-4	100	S	25	MR	51	S	0	R	13--18	S
32	IMHBG-17K-16	62	S	19	MR	43	MS	13	MR	22--28	S
33	JH 16045	50	MS	4	R	14	MR	0	R	24--31	S
34	LMH1117	50	MS	17	MR	41	MS	0	R	14--19	S
35	IMHBG-17K-14	84	S	0	R	32	MS	5	R	17--25	S
36	AH 6008	95	S	26	MS	63	S	42	MS	13--22	S
37	KMH 16-40	100	S	5	R	47	MS	63	S	30--37	S
38	MMH 16-11	100	S	11	MR	40	MS	0	R	17--25	S
39	K-27	93	S	0	R	51	S	8	R	13--21	S
40	IMHBG-17K-8	100	S	38	MS	30	MS	17	MR	17--27	S
41	STAR-X-16	100	S	35	MS	55	S	45	MS	11--19	S
42	EH 2870	100	S	30	MS	47	MS	0	R	14--22	S
43	STAR-X-20	100	S	21	MR	56	S	36	MS	23--36	S
44	EH 2898	100	S	13	MR	55	S	0	R	10--17	S
45	DAS-MH-311	91	S	33	MS	52	S	0	R	29--39	S
46	BRMH-10 (CAH-1566	100	S	5	R	63	S	0	R	17--24	S
47	AMH-14258	100	S	37	MS	40	MS	6	R	21--33	S
48	HKH 363	100	S	30	MS	39	MS	14	MR	12--25	S
49	WH-1010	100	S	15	MR	33	MS	5	R	4--8	MR
50	NMH-51+	57	S	33	MS	46	MS	68	S	20--32	S
51	GK 3215	100	S	0	R	52	S	5	R	18--27	S
52	MMH 16-12	100	S	5	R	45	MS	52	S	13--20	S

Contd.

Table 2.

S. No. Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode	
	PZ		CWZ		NHZ		NWPZ		CWZ	
	MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction
53 KMH 16-42	100	S	22	MR	60	S	14	MR	29--37	S
54 IMHBG-17K-13	100	S	11	MR	47	MS	7	R	21--30	S
55 PM17102M	67	S	17	MR	44	MS	0	R	13--23	S
56 KMH 16-29	92	S	40	MS	47	MS	77	S	11--15	S
57 BLH 119	56	S	15	MR	33	MS	0	R	31--40	S
58 DH-314	100	S	10	R	32	MS	17	MR	18--28	S
59 GK 3213	100	S	6	R	65	S	13	MR	16--28	S
60 IMHBG-17K-21	94	S	2	R	62	S	12	MR	21--36	S
61 PM17103M	100	S	41	MS	37	MS	27	MS	11--16	S
62 IMHBG-17K-22	50	MS	7	R	53	S	0	R	14--22	S
63 IMHBG-17K-6	47	MS	10	R	25	MR	0	R	14--21	S
64 JKMH 15303	95	S	40	MS	44	MS	16	MR	27--35	S
65 NMH-4053	58	S	10	R	15	MR	4	R	3--7	MR
66 CCH 1818	79	S	14	MR	44	MS	25	MR	20--27	S
67 HKH 362	100	S	2	R	53	S	9	R	17--26	S
68 16402-008-01-01-03-5-2	43	MS	6	R	61	S	0	R	11--18	S
69 BLH 118	100	S	11	MR	34	MS	8	R	17--23	S
70 BH 415012	100	S	8	R	47	MS	44	MS	9--17	S
71 STAR-X-14	100	S	19	MR	44	MS	9	R	17--23	S
72 NMH-4139	100	S	14	MR	38	MS	24	MR	14--24	S
73 WH-1094	100	S	18	MR	37	MS	0	R	9--14	S
74 VaMH 15005	60	S	16	MR	39	MS	0	R	11--17	S
75 AH 6009	100	S	40	MS	63	S	27	MS	12--21	S
76 IMHBG-17K-11	100	S	8	R	49	MS	29	MS	13--21	S
77 JH 32055	100	S	0	R	58	S	7	R	15--20	S
78 IMHBG-17K-17	100	S	12	MR	67	S	0	R	10--18	S
79 IMHBG-17K-1	100	S	22	MR	54	S	20	MR	17--23	S

Contd.

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Table 2.

S. No. Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode	
	PZ		CWZ		NHZ		NWPZ		CWZ	
	MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction
80 DKC7181 (IR8003)	96	S	32	MS	34	MS	0	R	13--24	S
81 AH 6007	100	S	20	MR	63	S	33	MS	15--26	S
82 REH 2013-21	86	S	21	MR	46	MS	6	R	10--17	S
83 GH 160295	100	S	15	MR	43	MS	0	R	15--20	S
84 IMHBG-17K-9	100	S	42	MS	34	MS	10	R	23--34	S
85 RCRMH 4-1	100	S	45	MS	33	MS	5	R	24--36	S
86 BH 415100	100	S	14	MR	35	MS	0	R	20--25	S
87 GIN-03	100	S	5	R	29	MS	5	R	4--7	MR
88 ADV 140187	40	MS	0	R	58	S	21	MR	14--23	S
89 KMH 16-25	100	S	11	MR	63	S	48	MS	28--39	S
90 AH-1606	15	MR	13	MR	42	MS	0	R	23--30	S
91 DKC8181 (IR8004)	37	MS	20	MR	17	MR	0	R	18--23	S
92 IMHBG-17K-5	100	S	20	MR	38	MS	6	R	12--18	S
93 IMHBG-17K-15	92	S	8	R	39	MS	6	R	21--28	S
94 BLH 117	29	MS	14	MR	44	MS	0	R	16--23	S
95 STAR-X-18	77	S	4	R	52	S	16	MR	25--35	S
96 REH 2013-15	93	S	14	MR	33	MS	8	R	19--28	S
97 OMH16-4	93	S	29	MS	57	S	25	MR	11--22	S
98 CMH 08-292 (C)	66	S	15	MR	51	S	0	R	24--31	S
99 BIO 9544 (C)	64	S	12	MR	44	MS	0	R	24--33	S
100 DHM 121 (C)	-	-	0	R	48	MS	-	-	NG	
Res. Check	0	R	14	MR	9	R	-	-	4-9	MR
Sus. Check	91	S	81	S	66	S	43	MS	33-41	S
Local Check	-	-	-	-	62	S	60	S	18--27	S

Res. Check:- SDM:- NAH-1137 (Mandya); RDM:- DHM-117 (Udaipur); BSR:- DH-1107 (Dhaulakuan); Cyst Nematode:- Pratap Hybrid Maize-3 (Udaipur)

Sus. Check:- SDM:- CM 500 (Mandya); RDM:- Surya (Udaipur); BSR:- CM 600 (Dhaulakuan, Pantnagar); Cyst Nematode:- Pratap Makka-3 (Udaipur)

Local Check:- BSR:- Early Composite (Dhaulakuan); PSM-3 (Pantnagar); Cyst Nematode:- Pratap Makka-9 (Udaipur)

Table 3. Screening of NIVT (early & extra early maturity) maize hybrids

S. No.	Genotype	Maydis leaf blight (1-9)									
		NWPZ					NEPZ				
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction	
1	DH-312	1.0	7.5	4.0	4.2	MR	8.0	6.6	7.3	S	
2	JH 32010	1.0	5.0	2.5	2.8	R	6.0	6.8	6.4	MS	
3	JH 31968	1.0	4.0	2.5	2.5	R	5.0	6.4	5.7	MS	
4	KMH 16-21	2.0	6.5	4.0	4.2	MR	6.0	6.7	6.4	MS	
5	FH 3816	1.0	6.5	3.0	3.5	MR	6.0	5.9	6.0	MS	
6	Filler	4.0	5.5	3.0	4.2	MR	6.0	6.6	6.3	MS	
7	LMH 717	1.0	7.0	3.0	3.7	MR	9.0	6.4	7.7	S	
8	Syngenta EXIM	1.0	5.0	4.0	3.3	MR	6.5	7.0	6.8	MS	
9	IH-1002	2.0	6.0	4.0	4.0	MR	8.0	7.9	8.0	S	
10	IH-1404	2.0	7.0	4.0	4.3	MR	4.5	6.6	5.6	MS	
11	AH-7188	2.0	5.0	2.5	3.2	MR	7.0	6.5	6.8	MS	
12	KMH 16-9	1.0	6.5	3.5	3.7	MR	8.0	5.3	6.7	MS	
13	MEH 16-1	1.0	6.0	4.0	3.7	MR	6.0	6.4	6.2	MS	
14	DH-313	2.0	4.5	3.0	3.2	MR	7.5	6.1	6.8	MS	
15	WH-2212	2.0	7.5	5.5	5.0	MR	2.5	5.9	4.2	MR	
16	IH-1201	1.0	6.5	4.5	4.0	MR	4.5	6.8	5.7	MS	
17	EH 2878	3.0	6.0	2.5	3.8	MR	8.0	6.8	7.4	S	
18	Azad Kanti	1.0	7.0	5.0	4.3	MR	5.0	6.4	5.7	MS	
19	DH-311	1.0	5.5	4.0	3.5	MR	6.0	5.4	5.7	MS	
20	JH 31947	1.0	4.5	2.5	2.7	R	4.5	4.9	4.7	MR	
21	KMH 16-19	1.0	8.0	4.0	4.3	MR	6.5	6.2	6.4	MS	
22	FH 3823	1.0	6.5	2.5	3.3	MR	4.5	6.6	5.6	MS	
23	MEH 16-2	2.0	8.0	5.0	5.0	MR	8.0	6.4	7.2	S	
24	KMH 16-23	1.0	3.5	4.5	3.0	R	3.5	5.9	4.7	MR	

Contd.

Table 3.

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ					NEPZ			
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
25	LMH 1115	4.0	5.0	4.0	4.3	MR	7.0	5.5	6.3	MS
26	AH-7080	1.0	5.0	2.5	2.8	R	6.0	6.5	6.3	MS
27	REH 2013-19	2.0	6.5	5.0	4.5	MR	5.5	7.1	6.3	MS
28	VNR-32943	4.0	5.0	4.0	4.3	MR	3.5	6.3	4.9	MR
29	AH 9003	1.0	4.5	3.0	2.8	R	5.5	6.3	5.9	MS
30	REH 2013-17	2.0	4.5	3.0	3.2	MR	6.5	7.2	6.9	MS
31	IH-0652	3.0	6.0	3.5	4.2	MR	6.5	7.8	7.2	S
32	FH 3837	1.0	6.0	4.0	3.7	MR	6.5	7.2	6.9	MS
33	EH 2891	1.0	5.0	2.5	2.8	R	5.5	6.0	5.8	MS
34	JH 31983	1.0	4.5	3.0	2.8	R	7.0	5.3	6.2	MS
35	JH 32013	2.0	4.5	2.0	2.8	R	6.5	7.2	6.9	MS
36	PMH5 (C)	1.0	6.0	3.0	3.3	MR	5.5	5.9	5.7	MS
37	BIO605 (C)	1.0	5.0	3.0	3.0	R	3.5	6.0	4.8	MR
38	DKC 7074 (C)	1.0	5.0	3.0	3.0	R	5.5	4.8	5.2	MS
39	Vivek Hybrid 51 (C)	1.0	7.5	3.5	4.0	MR	6.0	7.0	6.5	MS
40	Vivek Hybrid 45 (C)	3.0	6.5	3.0	4.2	MR	4.5	6.0	5.3	MS
	Res. Check	-	3.5	2.0	2.8	R	-	-	-	-
	Sus. Check	8.0	7.5	4.7	6.7	MS	8.5	8.2	8.4	S
	Local Check	-	-	6.7	6.7	MS	-	-	-	-

Contd.

Res. Check:- MLB:- LET DR (Ludhiana); HQPM-1 (Karnal)

Sus. Check:- MLB:- CM 600 (Delhi, Kalyani); CM 501 (Karnal, Ludhiana); CML 186 (Dholi)

Local Check:- MLB:- CM 140 (Ludhiana)

Table 3.

S. No.	Genotype	Turcicum leaf blight (1-9)								
		NHZ					PZ			
		ALMO	BAJA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
1	DH-312	7.5	7.0	6.0	6.8	MS	8.5	6.5	7.5	S
2	JH 32010	3.0	3.0	3.0	3.0	R	6.0	3.0	4.5	MR
3	JH 31968	6.0	5.5	4.5	5.3	MS	6.8	7.5	7.1	MS
4	KMH 16-21	6.0	7.0	6.0	6.3	MS	9.0	7.0	8.0	S
5	FH 3816	2.5	2.5	3.0	2.7	R	5.0	2.0	3.5	MR
6	Filler	3.5	3.0	3.0	3.2	MR	3.8	1.0	2.4	R
7	LMH 717	8.0	6.0	5.5	6.5	MS	7.0	7.0	7.0	MS
8	Syngenta EXIM	6.0	6.5	4.5	5.7	MS	8.0	9.0	8.5	S
9	IH-1002	4.0	3.5	4.0	3.8	MR	7.3	3.0	5.1	MR
10	IH-1404	5.0	5.5	5.0	5.2	MS	8.5	5.0	6.8	MS
11	AH-7188	5.0	2.5	4.0	3.8	MR	4.8	5.0	4.9	MR
12	KMH 16-9	7.0	7.5	4.5	6.3	MS	8.5	7.0	7.8	S
13	MEH 16-1	5.0	3.0	4.5	4.2	MR	5.0	5.0	5.0	MR
14	DH-313	6.0	4.5	4.5	5.0	MR	6.0	5.0	5.5	MS
15	WH-2212	7.0	5.5	5.5	6.0	MS	5.5	7.0	6.3	MS
16	IH-1201	7.0	5.0	5.0	5.7	MS	7.0	6.5	6.8	MS
17	EH 2878	5.0	3.5	3.0	3.8	MR	5.0	3.5	4.3	MR
18	Azad Kanti	6.5	4.0	5.5	5.3	MS	8.0	7.0	7.5	S
19	DH-311	7.0	6.0	4.5	5.8	MS	7.0	4.5	5.8	MS
20	JH 31947	4.0	4.5	3.0	3.8	MR	4.0	1.0	2.5	R
21	KMH 16-19	7.0	4.5	5.5	5.7	MS	9.0	7.5	8.3	S
22	FH 3823	5.0	2.5	3.5	3.7	MR	3.5	4.5	4.0	MR
23	MEH 16-2	5.0	5.0	5.0	5.0	MR	6.8	5.0	5.9	MS
24	KMH 16-23	8.0	6.5	5.5	6.7	MS	8.0	5.0	6.5	MS

Contd.

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Table 3.

S. No.	Genotype	Turcicum leaf blight (1-9)								
		NHZ					PZ			
		ALMO	BAJA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
25	LMH 1115	5.0	5.0	3.0	4.3	MR	4.8	1.5	3.1	R
26	AH-7080	4.0	3.5	2.5	3.3	MR	5.3	1.0	3.1	R
27	REH 2013-19	6.5	6.0	5.0	5.8	MS	6.0	5.0	5.5	MS
28	VNR-32943	6.0	5.5	4.0	5.2	MS	6.3	5.5	5.9	MS
29	AH 9003	5.0	4.0	3.0	4.0	MR	4.0	2.5	3.3	MR
30	REH 2013-17	4.0	4.5	3.5	4.0	MR	5.5	4.0	4.8	MR
31	IH-0652	6.0	4.5	4.5	5.0	MR	8.5	5.5	7.0	MS
32	FH 3837	5.0	3.0	4.5	4.2	MR	4.5	4.0	4.3	MR
33	EH 2891	6.0	4.0	4.5	4.8	MR	5.5	3.5	4.5	MR
34	JH 31983	6.0	5.0	5.0	5.3	MS	6.0	6.0	6.0	MS
35	JH 32013	5.0	5.5	4.0	4.8	MR	4.3	3.5	3.9	MR
36	PMH5 (C)	8.0	8.5	6.0	7.5	S	9.0	9.0	9.0	S
37	BIO605 (C)	3.0	3.0	4.0	3.3	MR	3.8	1.5	2.6	R
38	DKC 7074 (C)	3.0	2.5	2.5	2.7	R	2.8	1.5	2.1	R
39	Vivek Hybrid 51 (C)	6.0	5.0	4.0	5.0	MR	6.5	5.0	5.8	MS
40	Vivek Hybrid 45 (C)	4.0	3.5	3.5	3.7	MR	4.3	2.5	3.4	MR
	Res. Check	2.0	-	-	2.0	R	4.0	2.0	3.0	R
	Sus. Check	8.0	8.4	8.0	8.1	S	9.0	7.5	8.3	S
	Local Check	-	-	-	-	-	-	-	-	-

Contd.

Res Check:- TLB:- VB-343 (Almora); CI 4 (Dharwad); NAH 1137 (Mandya)

Sus. Check:- TLB:- Jonsar local (Almora); NB-3 (Bajaura); Local check (Larnoo); CM 202 (Dharwad, Mandya)

Table 3.

S. No.	Genotype	Banded leaf and sheath blight (1-9)						CLS (1-9)		
		NHZ		NWPZ				CWZ		
		DHAU*	Reaction	DELH	KARN*	PANT	Av. Score	Reaction	UDAI	Reaction
1	DH-312	3.5	-	3.0	2.0	9.0	6.0	MS	4.0	MR
2	JH 32010	3.0	-	3.0	1.0	7.5	5.3	MS	2.0	R
3	JH 31968	4.0	-	4.0	1.0	9.0	6.5	MS	3.0	R
4	KMH 16-21	5.0	-	2.0	1.0	9.0	5.5	MS	2.5	R
5	FH 3816	3.0	-	6.0	1.0	8.0	7.0	MS	2.5	R
6	Filler	4.0	-	3.0	1.0	7.5	5.3	MS	2.0	R
7	LMH 717	3.0	-	5.0	1.0	9.0	7.0	MS	2.5	R
8	Syngenta EXIM	4.5	-	2.0	1.0	9.0	5.5	MS	2.0	R
9	IH-1002	4.0	-	2.0	1.0	8.0	5.0	MR	5.5	MS
10	IH-1404	4.5	-	6.0	1.0	7.5	6.8	MS	3.0	R
11	AH-7188	3.5	-	2.0	1.0	8.5	5.3	MS	2.0	R
12	KMH 16-9	4.0	-	2.0	1.0	9.0	5.5	MS	3.0	R
13	MEH 16-1	4.5	-	6.0	1.0	8.0	7.0	MS	2.0	R
14	DH-313	5.5	-	3.0	3.0	8.0	5.5	MS	2.5	R
15	WH-2212	2.5	-	2.0	1.0	9.0	5.5	MS	1.5	R
16	IH-1201	2.0	-	2.0	1.0	9.0	5.5	MS	3.0	R
17	EH 2878	4.0	-	3.0	1.0	8.0	5.5	MS	1.5	R
18	Azad Kanti	3.5	-	3.0	1.0	9.0	6.0	MS	4.5	MR
19	DH-311	3.5	-	5.0	1.0	9.0	7.0	MS	2.5	R
20	JH 31947	6.0	-	4.0	1.0	8.0	6.0	MS	3.0	R
21	KMH 16-19	4.5	-	3.0	1.0	8.5	5.8	MS	5.0	MR
22	FH 3823	5.5	-	3.0	1.0	8.5	5.8	MS	1.5	R
23	MEH 16-2	4.0	-	3.0	1.0	8.5	5.8	MS	3.0	R
24	KMH 16-23	3.5	-	5.0	1.0	8.5	6.8	MS	2.5	R

Contd.

Table 3.

S. No.	Genotype	Banded leaf and sheath blight (1-9)						CLS (1-9)		
		NHZ		NWPZ				CWZ		
		DHAU*	Reaction	DELH	KARN*	PANT	Av. Score	Reaction	UDAI	Reaction
25	LMH 1115	2.5	-	3.0	1.0	9.0	6.0	MS	3.0	R
26	AH-7080	4.0	-	2.0	2.0	9.0	5.5	MS	1.5	R
27	REH 2013-19	3.0	-	2.0	1.0	8.5	5.3	MS	3.0	R
28	VNR-32943	4.0	-	2.0	2.5	9.0	5.5	MS	3.0	R
29	AH 9003	6.0	-	7.0	1.0	8.0	7.5	S	3.0	R
30	REH 2013-17	3.5	-	4.0	1.0	7.5	5.8	MS	3.0	R
31	IH-0652	3.5	-	7.0	1.0	9.0	8.0	S	5.0	MR
32	FH 3837	4.5	-	5.0	1.0	9.0	7.0	MS	2.0	R
33	EH 2891	3.5	-	3.0	1.0	7.0	5.0	MR	1.5	R
34	JH 31983	3.5	-	4.0	3.0	8.5	6.3	MS	2.0	R
35	JH 32013	3.0	-	3.0	1.0	7.5	5.3	MS	2.0	R
36	PMH5 (C)	3.0	-	2.0	1.0	9.0	5.5	MS	3.0	R
37	BIO605 (C)	2.5	-	2.0	1.0	6.0	4.0	MR	3.0	R
38	DKC 7074 (C)	4.5	-	6.0	1.0	8.0	7.0	MS	5.5	MS
39	Vivek Hybrid 51 (C)	3.0	-	5.0	2.5	7.5	6.3	MS	2.5	R
40	Vivek Hybrid 45 (C)	6.0	-	4.0	1.0	9.0	6.5	MS	1.0	R
	Res. Check	1.5	-	-	4.0	-	-	-	3.3	MR
	Sus. Check	6.0	-	9.0	5.5	9.0	9.0	S	6.3	MS
	Local Check	6.0	-	-	-	9.0	9.0	S	-	-

*Data is not considered due to low disease pressure

Contd.

Res. Check:- BLSB:- DH 1107 (Dhaulakuan); HQPM-1 (Karnal); CLS:- DHM 117 (Udaipur)

Sus. Check:- BLSB:- CM 600 (Dhaulakuan, Pantnagar); CM 501 (Delhi, Karnal); CLS:- Surya (Udaipur)

Local Check:- BLSB:- Early Compsite (Dhaulakuan); PSM 3 (Pantnagar)

Table 3.

S. No.	Genotype	Charcoal rot (1-9)						C. Rust (1-9)		P. Rust (1-9)*	
		NWPZ		PZ				PZ		PZ	
		LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
1	DH-312	5.8	MS	2.3	4.6	3.5	MR	3.3	MR	3.5	-
2	JH 32010	4.8	MR	3.3	4.8	4.0	MR	3.5	MR	4.5	-
3	JH 31968	4.4	MR	2.4	4.5	3.5	MR	2.5	MR	1.5	-
4	KMH 16-21	5.4	MS	4.0	5.7	4.8	MR	3.5	MR	2.0	-
5	FH 3816	5.5	MS	2.1	5.2	3.6	MR	2.5	MR	3.0	-
6	Filler	5.4	MS	1.7	7.4	4.5	MR	2.5	MR	1.5	-
7	LMH 717	5.9	MS	3.3	5.1	4.2	MR	2.8	MR	2.5	-
8	Syngenta EXIM	4.7	MR	3.2	5.1	4.1	MR	3.8	MR	1.5	-
9	IH-1002	4.4	MR	2.3	4.9	3.6	MR	3.3	MR	1.5	-
10	IH-1404	5.3	MS	2.7	7.0	4.9	MR	3.3	MR	4.0	-
11	AH-7188	5.7	MS	4.4	4.4	4.4	MR	2.3	MR	2.0	-
12	KMH 16-9	6.1	MS	4.4	5.7	5.0	MR	3.0	MR	1.5	-
13	MEH 16-1	5.3	MS	4.0	4.2	4.1	MR	2.0	R	2.0	-
14	DH-313	3.2	MR	2.7	3.9	3.3	MR	2.3	MR	2.0	-
15	WH-2212	6.8	MS	2.9	4.0	3.4	MR	2.3	MR	1.0	-
16	IH-1201	4.5	MR	3.4	5.9	4.6	MR	2.3	MR	4.0	-
17	EH 2878	4.4	MR	4.0	5.9	4.9	MR	3.5	MR	5.0	-
18	Azad Kanti	5.1	MR	2.3	5.6	3.9	MR	2.5	MR	2.5	-
19	DH-311	4.1	MR	5.0	6.3	5.6	MS	2.3	MR	4.0	-
20	JH 31947	5.1	MR	4.5	5.2	4.9	MR	1.3	R	3.5	-
21	KMH 16-19	6.6	MS	4.3	4.9	4.6	MR	3.3	MR	1.5	-
22	FH 3823	4.7	MR	2.0	5.6	3.8	MR	2.0	R	2.0	-
23	MEH 16-2	7.0	MS	2.1	4.9	3.5	MR	3.5	MR	2.5	-
24	KMH 16-23	6.1	MS	3.7	5.1	4.4	MR	4.0	MR	1.0	-

Contd.

Table 3.

S. No.	Genotype	Charcoal rot (1-9)						C. Rust (1-9)		P. Rust (1-9)*	
		NWPZ		PZ				PZ		PZ	
		LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
25	LMH 1115	7.5	S	3.3	5.6	4.5	MR	3.3	MR	6.0	-
26	AH-7080	4.9	MR	3.1	6.0	4.5	MR	2.5	MR	1.5	-
27	REH 2013-19	5.0	MR	2.7	7.1	4.9	MR	4.3	MS	5.0	-
28	VNR-32943	4.4	MR	2.3	5.3	3.8	MR	3.0	MR	2.0	-
29	AH 9003	4.2	MR	2.8	3.6	3.2	MR	3.3	MR	1.5	-
30	REH 2013-17	4.2	MR	5.1	4.5	4.8	MR	2.5	MR	2.0	-
31	IH-0652	4.6	MR	1.7	6.4	4.1	MR	3.3	MR	3.5	-
32	FH 3837	5.7	MS	1.8	6.2	4.0	MR	2.0	R	2.0	-
33	EH 2891	4.7	MR	2.4	5.7	4.1	MR	3.0	MR	5.0	-
34	JH 31983	5.2	MS	3.7	5.7	4.7	MR	2.5	MR	3.0	-
35	JH 32013	4.3	MR	2.9	5.6	4.2	MR	1.5	R	4.5	-
36	PMH5 (C)	6.8	MS	3.2	6.1	4.6	MR	3.8	MR	1.0	-
37	BIO605 (C)	4.2	MR	3.7	5.6	4.7	MR	1.8	R	5.0	-
38	DKC 7074 (C)	4.5	MR	3.0	4.1	3.6	MR	1.0	HR	3.0	-
39	Vivek Hybrid 51 (C)	4.6	MR	3.6	6.3	5.0	MR	3.8	MR	1.5	-
40	Vivek Hybrid 45 (C)	5.0	MR	3.7	5.4	4.6	MR	1.8	R	1.5	-
	Res. Check	2.9	R	1.1	-	1.1	R	4.0	MR	2.5	-
	Sus. Check	5.4	MS	7.3	6.1	6.7	MS	8.0	S	5.0	-
	Local Check	8.0	S	-	-	-	-	-	-	-	-

*Data is not considered due to low disease pressure

Contd.

Res. Check:- C.Rot:- LET DR (Ludhiana); CoH6 (Coimbatore); C.Rust:- CI 4 (Dharwad); P.Rust:- NAH 1137 (Mandya)

Sus. Check:- C.Rot:- CM 501 (Ludhiana); CM 600 (Coimbatore, Hyderabad); C.Rust:- CM 202 (Dharwad); P.Rust:- CM 202 (Mandya)

Local Check:- C.Rot:- CM 140 (Ludhiana)

Table 3.

S. No. Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode		
	PZ		CWZ		NHZ		NWPZ		CWZ		
	MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction	
Range cyst/ plant N=5											
1	DH-312	88	S	11	MR	5	R	60	S	28--39	S
2	JH 32010	63	S	10	R	23	MR	11	MR	13--23	S
3	JH 31968	65	S	13	MR	17	MR	5	R	22--32	S
4	KMH 16-21	94	S	8	R	22	MR	64	S	15--22	S
5	FH 3816	100	S	14	MR	33	MS	60	S	13--25	S
6	Filler	40	MS	16	MR	18	MR	27	MS	20--25	S
7	LMH 717	100	S	10	R	19	MR	58	S	35--47	S
8	Syngenta EXIM	10	R	28	MS	39	MS	57	S	20--27	S
9	IH-1002	100	S	4	R	20	MR	8	R	21--28	S
10	IH-1404	100	S	0	R	37	MS	13	MR	12--22	S
11	AH-7188	100	S	0	R	14	MR	21	MR	18--27	S
12	KMH 16-9	92	S	2	R	19	MR	16	MR	12--18	S
13	MEH 16-1	96	S	19	MR	15	MR	33	MS	31--43	S
14	DH-313	76	S	15	MR	43	MS	0	R	16--28	S
15	WH-2212	96	S	18	MR	19	MR	69	S	29--34	S
16	IH-1201	61	S	8	R	12	MR	56	S	13--24	S
17	EH 2878	81	S	11	MR	30	MS	25	MR	16--23	S
18	Azad Kanti	100	S	6	R	46	MS	38	MS	36--42	S
19	DH-311	100	S	5	R	39	MS	42	MS	31--39	S
20	JH 31947	97	S	16	MR	29	MS	42	MS	12--19	S
21	KMH 16-19	91	S	9	R	14	MR	52	S	12--19	S
22	FH 3823	45	MS	4	R	9	R	27	MS	32--48	S
23	MEH 16-2	100	S	20	MR	26	MS	33	MS	12--17	S
24	KMH 16-23	30	MS	10	R	29	MS	48	MS	25--30	S

Contd.

Table 3.

S. No. Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode	
	PZ		CWZ		NHZ		NWPZ		CWZ	
	MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction
25 LMH 1115	94	S	28	MS	52	S	47	MS	14--21	S
26 AH-7080	79	S	17	MR	25	MR	29	MS	21--30	S
27 REH 2013-19	53	S	15	MR	28	MS	40	MS	11--18	S
28 VNR-32943	44	MS	23	MR	12	MR	71	S	16--21	S
29 AH 9003	53	S	8	R	5	R	30	MS	32--38	S
30 REH 2013-17	69	S	3	R	21	MR	0	R	3--8	MR
31 IH-0652	100	S	7	R	25	MR	14	MR	27--38	S
32 FH 3837	77	S	4	R	30	MS	40	MS	18--22	S
33 EH 2891	92	S	25	MR	37	MS	33	MS	11--18	S
34 JH 31983	100	S	9	R	12	MR	0	R	28--38	S
35 JH 32013	100	S	11	MR	10	R	6	R	17--26	S
36 PMH5 (C)	95	S	14	MR	6	R	41	MS	19--30	S
37 BIO605 (C)	33	MS	7	R	34	MS	43	MS	17--28	S
38 DKC 7074 (C)	12	MR	5	R	13	MR	9	R	18--25	S
39 Vivek Hybrid 51 (C)	100	S	2	R	16	MR	0	R	16--29	S
40 Vivek Hybrid 45 (C)	67	S	17	MR	31	MS	6	R	15--20	S
Res. Check	0	R	14	MR	10	R	-	-	3--6	MR
Sus. Check	100	S	81	S	56	S	50	MS	35--45	S
Local Check	-	-	-	-	44	MS	75	S	21--30	S

Res. Check:- SDM:- NAH-1137 (Mandya); **RDM:-** DHM-117 (Udaipur); **BSR:-** DH-1107 (Dhaulakuan); **Cyst Nematode:-** Pratap Hybrid Maize-3 (Udaipur)

Sus. Check:- SDM:- CM 500 (Mandya); **RDM:-** Surya (Udaipur); **BSR:-** CM 600 (Dhaulakuan, Pantnagar); **Cyst Nematode:-** Pratap Makka-3 (Udaipur)

Local Check:- BSR:- Early Composite (Dhaulakuan); **PSM-3 (Pantnagar); Cyst Nematode:-** Pratap Makka-9 (Udaipur)

Table 4. Screening of AVT-I-II (late maturity) maize hybrids

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ				NEPZ				
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
AVT-I-L										
1	GK 3204	5.0	5.5	3.0	4.5	MR	7.0	5.6	6.3	MS
2	DH-300	5.0	5.5	3.5	4.7	MR	7.0	6.0	6.5	MS
3	MM 2626	1.0	5.5	3.5	3.3	MR	7.0	6.0	6.5	MS
4	HT 16607	1.0	5.0	3.0	3.0	R	6.0	5.9	6.0	MS
5	DKC 9178 (IQ8623)	1.0	5.0	2.5	2.8	R	6.0	5.8	5.9	MS
6	GK 3202	1.0	5.0	3.0	3.0	R	7.5	6.4	7.0	MS
7	BIO 274	3.0	5.0	2.5	3.5	MR	3.0	6.3	4.7	MR
8	STAR-X-6	3.0	6.0	4.0	4.3	MR	6.5	5.7	6.1	MS
9	NS 8001	1.0	5.5	2.0	2.8	R	4.5	5.4	5.0	MR
10	JH 13023	3.0	4.5	2.0	3.2	MR	5.5	7.1	6.3	MS
11	PM16103L	3.0	4.0	3.0	3.3	MR	5.0	4.9	5.0	MR
12	JH 15080	5.0	5.0	3.5	4.5	MR	6.0	5.7	5.9	MS
13	CMH11-583	5.0	5.0	3.0	4.3	MR	6.0	5.7	5.9	MS
14	OMH 14-16 (CAH1424)	1.0	5.0	3.0	3.0	R	7.0	6.0	6.5	MS
15	IMH 1527	1.0	6.0	3.5	3.5	MR	6.0	6.0	6.0	MS
16	VaMH 13024	1.0	5.0	3.0	3.0	R	7.0	5.8	6.4	MS
17	BIO 716	1.0	6.0	4.0	3.7	MR	7.0	5.9	6.5	MS
18	OMH 1462 (CAH 142)	1.0	6.5	3.0	3.5	MR	7.5	5.7	6.6	MS
19	JKMH 4152	3.0	4.5	3.0	3.5	MR	3.0	6.5	4.8	MR
AVT-II-L										
20	DKC(9164)IP9002	1.0	4.5	2.5	2.7	R	5.0	6.4	5.7	MS
21	ADV 7022	1.0	6.0	5.0	4.0	MR	5.5	5.5	5.5	MS
22	BIO 9682 (C)	5.0	5.0	2.0	4.0	MR	7.5	5.5	6.5	MS
23	CMH 08-287 (C)	5.0	5.5	3.0	4.5	MR	8.0	6.3	7.2	S
24	CMH 08-282 (C)	3.0	4.0	2.0	3.0	R	6.5	5.9	6.2	MS
	Res. Check	-	4.0	2.0	3.0	R	-	-	-	-
	Sus. Check	9.0	9.0	7.0	8.3	S	8.5	5.4	7.0	MS
	Local Check	-	-	7.0	7.0	MS	-	-	-	-

Contd.

Res. Check:- MLB:- LET DR (Ludhiana); HQPM-1 (Karnal)

Sus. Check:- MLB:- CM 600 (Delhi, Karnal, Kalyani); CM 501 (Ludhiana); CML 186 (Dholi)

Local Check:- MLB:- CM 140 (Ludhiana)

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Table 4.

S. No.	Genotype	Turcicum leaf blight (1-9)								
		NHZ				PZ				
		ALMO	BARA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
AVT-I-L										
1	GK 3204	3.0	3.8	2.0	2.9	R	3.8	1.5	2.6	R
2	DH-300	4.0	5.2	3.0	4.1	MR	6.0	2.0	4.0	MR
3	MM 2626	2.5	6.2	-	4.4	MR	5.5	3.5	4.5	MR
4	HT 16607	3.0	5.6	1.0	3.2	MR	5.0	1.0	3.0	R
5	DKC 9178 (IQ8623)	2.5	4.0	2.0	2.8	R	5.8	1.0	3.4	MR
6	GK 3202	3.0	3.8	2.0	2.9	R	3.8	1.0	2.4	R
7	BIO 274	4.0	6.3	2.0	4.1	MR	6.3	2.0	4.1	MR
8	STAR-X-6	5.0	6.9	2.0	4.6	MR	9.0	7.0	8.0	S
9	NS 8001	4.0	6.0	2.0	4.0	MR	6.5	2.5	4.5	MR
10	JH 13023	2.5	3.2	2.0	2.6	R	7.5	2.0	4.8	MR
11	PM16103L	5.0	7.6	2.0	4.9	MR	7.5	5.5	6.5	MS
12	JH 15080	2.0	2.3	3.0	2.4	R	6.0	1.0	3.5	MR
13	CMH11-583	3.0	4.5	2.0	3.2	MR	5.5	2.5	4.0	MR
14	OMH 14-16 (CAH1424)	3.0	5.2	2.0	3.4	MR	3.5	2.0	2.8	R
15	IMH 1527	3.0	3.7	2.0	2.9	R	4.5	1.0	2.8	R
16	VaMH 13024	2.0	3.2	-	2.6	R	5.8	1.0	3.4	MR
17	BIO 716	2.5	5.1	-	3.8	MR	5.3	4.5	4.9	MR
18	OMH 1462 (CAH 142)	2.5	4.9	2.0	3.1	R	4.5	1.0	2.8	R
19	JKMH 4152	3.0	6.7	-	4.9	MR	6.8	4.0	5.4	MS
AVT-II-L										
20	DKC(9164)IP9002	3.0	6.3	2.0	3.8	MR	6.0	3.0	4.5	MR
21	ADV 7022	3.0	-	3.0	3.0	R	3.8	3.0	3.4	MR
22	BIO 9682 (C)	3.0	5.0	2.0	3.3	MR	5.0	2.0	3.5	MR
23	CMH 08-287 (C)	2.0	3.3	-	2.7	R	4.3	1.0	2.6	R
24	CMH 08-282 (C)	2.5	3.1	3.0	2.9	R	3.5	1.0	2.3	R
Res. Check		2.0	-	-	2.0	R	4.0	2.3	3.1	R
Sus. Check		8.0	6.3	8.0	7.4	S	9.0	7.3	8.1	S
Local Check		-	-	-	-	-	-	-	-	-

Contd.

Res Check:- TLB:- VB-343 (Almora); CI 4 (Dharwad); NAH 1137 (Mandya)

Sus. Check:- TLB:- Jonsar local (Almora); Local check (Barapani, Larnoo); CM 202 (Dharwad, Mandya)

Table 4.

S. No. Genotype	Banded leaf and sheath blight (1-9)							CLS (1-9)		
	NHZ		NWPZ					CWZ		
	DHAU	Reaction	DELH	KARN	PANT	Av. Score	Reaction	UDAI	Reaction	
AVT-I-L										
1	GK 3204	1.0	R	2.0	6.5	8.0	5.5	MS	4.0	MR
2	DH-300	2.0	R	7.0	6.5	9.0	7.5	S	2.0	R
3	MM 2626	0.5	R	6.0	5.5	8.5	6.7	MS	2.0	R
4	HT 16607	2.5	R	2.0	4.0	8.0	4.7	MR	4.0	MR
5	DKC 9178 (IQ8623)	1.5	R	3.0	5.5	7.5	5.3	MS	1.0	R
6	GK 3202	2.5	R	3.0	5.5	8.5	5.7	MS	2.0	R
7	BIO 274	0.5	R	3.0	4.5	8.5	5.3	MS	1.5	R
8	STAR-X-6	0.5	R	6.0	5.0	9.0	6.7	MS	1.5	R
9	NS 8001	3.5	MR	2.0	6.0	9.0	5.7	MS	2.5	R
10	JH 13023	2.0	R	2.0	4.5	8.0	4.8	MR	1.5	R
11	PM16103L	0.5	R	2.0	6.0	8.0	5.3	MS	2.0	R
12	JH 15080	0.0	R	5.0	3.5	8.5	5.7	MS	2.5	R
13	CMH11-583	1.5	R	3.0	4.5	8.0	5.2	MS	2.0	R
14	OMH 14-16 (CAH1424)	1.5	R	2.0	6.5	9.0	5.8	MS	2.0	R
15	IMH 1527	0.0	R	4.0	6.0	8.5	6.2	MS	3.5	MR
16	VaMH 13024	2.0	R	4.0	6.5	7.5	6.0	MS	2.0	R
17	BIO 716	1.5	R	4.0	6.0	9.0	6.3	MS	3.5	MR
18	OMH 1462 (CAH 142)	2.0	R	2.0	5.0	8.5	5.2	MS	2.0	R
19	JKMH 4152	1.5	R	2.0	6.0	8.0	5.3	MS	2.5	R
AVT-II-L										
20	DKC(9164)IP9002	0.0	R	5.0	6.5	8.5	6.7	MS	2.5	R
21	ADV 7022	2.0	R	4.0	4.5	8.0	5.5	MS	2.5	R
22	BIO 9682 (C)	0.0	R	5.0	5.0	8.5	6.2	MS	2.0	R
23	CMH 08-287 (C)	2.0	R	3.0	5.0	8.5	5.5	MS	3.0	R
24	CMH 08-282 (C)	2.0	R	6.0	4.0	7.5	5.8	MS	1.5	R
	Res. Check	1.5	R	-	3.5	-	3.5	MR	3.3	MR
	Sus. Check	5.5	MS	9.0	6.5	9.0	8.2	S	6.3	MS
	Local Check	6.0	MS	-	-	9.0	9.0	S	-	-

Contd.

Res. Check:- BLSB:- DH 1107 (Dhaulakuan); HQPM-1 (Karnal); CLS:- DHM 117 (Udaipur)

Sus. Check:- BLSB:- CM 600 (Dhaulakuan, Karnal, Pantnagar); CM 501 (Delhi); CLS:- Surya (Udaipur)

Local Check:- BLSB:- Early Composite (Dhaulakuan); PSM 3 (Pantnagar)

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Table 4.

S. No.	Genotype	Charcoal rot (1-9)						C. Rust (1-9)		P. Rust (1-9)*	
		NWPZ		PZ				PZ		PZ	
		LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
AVT-I-L											
1	GK 3204	5.8	MS	2.8	5.1	3.9	MR	3.3	MR	2.0	-
2	DH-300	5.1	MR	3.4	4.9	4.2	MR	5.0	MS	1.0	-
3	MM 2626	4.1	MR	3.4	5.1	4.2	MR	5.0	MS	1.5	-
4	HT 16607	3.4	MR	2.1	5.0	3.5	MR	4.0	MR	1.5	-
5	DKC 9178 (IQ8623)	4.2	MR	1.9	4.2	3.1	R	4.3	MS	4.0	-
6	GK 3202	3.6	MR	2.1	4.3	3.2	MR	2.0	R	3.0	-
7	BIO 274	3.5	MR	2.5	3.6	3.0	R	5.0	MS	1.5	-
8	STAR-X-6	4.5	MR	3.4	3.6	3.5	MR	6.0	MS	2.0	-
9	NS 8001	4.9	MR	2.5	4.0	3.3	MR	4.0	MR	2.5	-
10	JH 13023	2.9	R	2.4	3.7	3.0	R	5.5	MS	2.0	-
11	PM16103L	3.7	MR	3.0	3.5	3.2	MR	4.0	MR	2.0	-
12	JH 15080	4.9	MR	2.1	5.0	3.6	MR	3.3	MR	1.5	-
13	CMH11-583	6.5	MS	2.6	2.9	2.7	R	6.5	S	2.5	-
14	OMH 14-16 (CAH1424)	5.8	MS	2.5	5.3	3.9	MR	2.3	MR	1.0	-
15	IMH 1527	6.1	MS	2.1	5.5	3.8	MR	6.0	MS	2.0	-
16	VaMH 13024	5.7	MS	3.4	4.1	3.8	MR	4.0	MR	1.5	-
17	BIO 716	4.7	MR	2.2	3.4	2.8	R	6.3	S	1.5	-
18	OMH 1462 (CAH 142)	3.4	MR	2.7	5.5	4.1	MR	4.8	MS	1.0	-
19	JKMH 4152	4.6	MR	2.4	4.7	3.6	MR	6.5	S	1.5	-
AVT-II-L											
20	DKC(9164)IP9002	5.0	MR	2.0	4.1	3.1	R	3.0	MR	1.5	-
21	ADV 7022	5.1	MR	2.4	4.1	3.2	MR	2.3	MR	2.0	-
22	BIO 9682 (C)	4.6	MR	3.2	1.6	2.4	R	6.0	MS	1.5	-
23	CMH 08-287 (C)	5.5	MS	2.1	5.3	3.7	MR	5.3	MS	2.5	-
24	CMH 08-282 (C)	3.3	MR	3.6	3.5	3.5	MR	5.5	MS	2.0	-
Res. Check		3.7	MR	1.0	2.9	2.0	R	4.0	MR	1.8	-
Sus. Check		7.4	S	8.0	7.2	7.6	S	8.0	S	5.8	-
Local Check		8.4	S	-	6.7	6.7	MS	-	-	-	-

*Data is not considered due to low disease pressure

Contd.

Res. Check:- C.Rot:- LET DR (Ludhiana); CoH6 (Coimbatore); JCY2-7 (Hyderabad); **C.Rust:-** CI 4 (Dharwad); **P.Rust:-** NAH 1137 (Mandya)

Sus. Check:- C.Rot:- CM 501 (Ludhiana, Hyderabad); CM 600 (Coimbatore); **C.Rust:-** CM 202 (Dharwad); **P.Rust:-** CM 202 (Mandya)

Local Check:- C.Rot:- CM 140 (Ludhiana); BML-6 (Hyderabad)

Table 4.

S. No. Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode		
	PZ		CWZ		NHZ		NWPZ		CWZ		
	MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction	
AVT-I-L										Range cyst/ plant N=5	
1	GK 3204	100	S	13	MR	9	R	55	S	12--19	S
2	DH-300	88	S	9	R	38	MS	65	S	22--34	S
3	MM 2626	100	S	15	MR	50	MS	69	S	37--48	S
4	HT 16607	100	S	19	MR	39	MS	72	S	4--8	MR
5	DKC 9178 (IQ8623)	93	S	16	MR	40	MS	26	MS	3--6	MR
6	GK 3202	79	S	22	MR	28	MS	36	MS	19--24	S
7	BIO 274	30	MS	13	MR	22	MR	41	MS	13--22	S
8	STAR-X-6	100	S	30	MS	13	MR	53	S	17--22	S
9	NS 8001	97	S	22	MR	14	MR	49	MS	18--21	S
10	JH 13023	9	R	24	MR	0	R	23	MR	15--23	S
11	PM16103L	100	S	40	MS	2	R	19	MR	16--27	S
12	JH 15080	37	MS	18	MR	2	R	50	MS	15--23	S
13	CMH11-583	87	S	16	MR	41	MS	37	MS	23--30	S
14	OMH 14-16 (CAH1424)	55	S	11	MR	7	R	32	MS	18--27	S
15	IMH 1527	97	S	23	MR	15	MR	31	MS	17--28	S
16	VaMH 13024	83	S	15	MR	13	MR	35	MS	17--24	S
17	BIO 716	100	S	26	MS	12	MR	58	S	32--44	S
18	OMH 1462 (CAH 142)	72	S	16	MR	18	MR	48	MS	12--21	S
19	JKMH 4152	31	MS	22	MR	53	S	58	S	21--30	S
AVT-II-L											
20	DKC(9164)IP9002	97	S	29	MS	0	R	48	MS	11--18	S
21	ADV 7022	55	S	9	R	2	R	42	MS	16--22	S
22	BIO 9682 (C)	25	MR	3	R	24	MR	39	MS	19--23	S
23	CMH 08-287 (C)	100	S	28	MS	44	MS	94	S	18--24	S
24	CMH 08-282 (C)	35	MS	14	MR	35	MS	43	MS	22--36	S
Res. Check		5	R	14	MR	7	R	-	-	5--9	MR
Sus. Check		95	S	81	S	73	S	57	S	33--41	S
Local Check		-	-	-	-	49	MS	70	S	18--23	S

Res. Check:- SDM:- NAH-1137 (Mandya); **RDM:-** DHM-117 (Udaipur); **BSR:-** DH-1107 (Dhaulakuan); **Cyst Nematode:-** Pratap Hybrid Maize-3 (Udaipur)

Sus. Check:- SDM:- CM 500 (Mandya); **RDM:-** Surya (Udaipur); **BSR:-** CM 600 (Dhaulakuan, Pantnagar); **Cyst Nematode:-** Pratap Makka-3 (Udaipur)

Local Check:- BSR:- Early Composite (Dhaulakuan); **PSM-3 (Pantnagar); Cyst Nematode:-** Pratap Makka-9 (Udaipur)

Table 5. Screening of AVT-I-II (medium maturity) maize hybrids

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ				NEPZ				
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
AVT-I-M										
1	JKMH 4157	3.0	6.0	3.0	4.0	MR	5.5	7.2	6.4	MS
2	LMH 1216	2.0	4.5	2.0	2.8	R	7.0	7.2	7.1	MS
3	KH-2001 GOLD	2.0	6.5	4.0	4.2	MR	4.5	7.6	6.1	MS
4	JKMH 1414	2.0	5.0	2.0	3.0	R	8.5	6.9	7.7	S
5	IMHBG-2016-6	1.0	3.5	2.0	2.2	R	7.0	6.2	6.6	MS
6	DKC(7173)IQ 7802	2.0	5.0	2.5	3.2	MR	7.5	7.2	7.4	S
7	DMRH1419	7.0	5.0	2.0	4.7	MR	6.5	6.4	6.5	MS
8	BH 414176	4.0	4.0	3.0	3.7	MR	7.0	7.1	7.1	MS
9	DKC 9179 (IQ8627)	1.0	5.5	2.0	2.8	R	8.0	7.4	7.7	S
10	LMH 616	4.0	5.0	2.5	3.8	MR	7.5	6.6	7.1	MS
11	OMH 14-18(CAH 1519)	4.0	4.5	2.0	3.5	MR	5.5	6.4	6.0	MS
12	LMH 1116	2.0	4.0	2.0	2.7	R	8.0	7.6	7.8	S
13	BLH 111	1.0	6.5	4.5	4.0	MR	6.5	6.9	6.7	MS
14	CCH 9999	1.0	5.5	2.5	3.0	R	6.0	7.4	6.7	MS
15	DMRH 1410	1.0	5.0	2.0	2.7	R	6.0	7.6	6.8	MS
16	IMHBG-2016-4	1.0	5.0	2.5	2.8	R	6.5	6.9	6.7	MS
17	IMH 1603	1.0	5.0	3.0	3.0	R	8.5	6.6	7.6	S
18	RCRMH 2	1.0	4.5	3.0	2.8	R	8.0	6.8	7.4	S
19	IMH 1527	1.0	5.5	3.0	3.2	MR	5.0	6.5	5.8	MS
20	DKC 8174 (IQ8319)	1.0	4.0	2.5	2.5	R	4.0	5.9	5.0	MR
AVT-II-M										
21	VaMH 12014	1.0	5.0	3.0	3.0	R	9.0	7.6	8.3	S
22	JKMH 4103	7.0	6.0	2.0	5.0	MR	7.0	7.2	7.1	MS
23	JH 13347	2.0	4.0	2.0	2.7	R	8.0	6.9	7.5	S

Contd.

Table 5.

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ				NEPZ				
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
24	BIO 9544 (C)	3.0	4.5	2.0	3.2	MR	8.5	6.9	7.7	S
25	CMH 08-292 (C)	1.0	4.0	2.0	2.3	R	7.5	7.0	7.3	S
26	DHM 121 (C)	-	1.0	-	1.0	R	5.5	7.2	6.4	MS
	Res. Check	-	3.5	2.0	2.8	R	-	-	-	-
	Sus. Check	9.0	9.0	7.0	8.3	S	9.0	8.4	8.7	S
	Local Check	-	-	7.5	7.5	S	-	-	-	-

Contd.

Res. Check:- MLB:- LET DR (Ludhiana); HQPM-1 (Karnal)

Sus. Check:- MLB:- CM 600 (Delhi, Karnal, Kalyani); CM 501 (Ludhiana); CML 186 (Dholi)

Local Check:- MLB:- CM 140 (Ludhiana)

Table 5.

S. No.	Genotype	Turicum leaf blight (1-9)								
		NHZ					PZ			
		ALMO	BARA	LARN	Av. Score	Reaction	DHAR	MAND*	Av. Score	Reaction
AVT-I-M										
1	JKMH 4157	4.0	4.8	3.0	3.9	MR	5.8	4.5	5.8	MS
2	LMH 1216	3.0	3.4	2.5	3.0	R	4.3	1.0	4.3	MR
3	KH-2001 GOLD	7.0	5.5	2.0	4.8	MR	8.5	5.0	8.5	S
4	JKMH 1414	5.0	6.2	3.0	4.7	MR	7.5	3.0	7.5	S
5	IMHBG-2016-6	2.5	3.2	2.0	2.6	R	4.0	1.0	4.0	MR
6	DKC(7173)IQ 7802	3.0	3.9	3.0	3.3	MR	6.5	2.0	6.5	MS
7	DMRH1419	3.0	4.0	2.5	3.2	MR	7.0	2.0	7.0	MS
8	BH 414176	5.0	4.5	2.5	4.0	MR	5.8	3.0	5.8	MS
9	DKC 9179 (IQ8627)	3.0	4.5	2.0	3.2	MR	4.3	2.5	4.3	MR
10	LMH 616	4.0	2.7	3.5	3.4	MR	5.0	2.5	5.0	MR
11	OMH 14-18(CAH 1519)	3.0	3.6	3.0	3.2	MR	5.0	1.0	5.0	MR
12	LMH 1116	2.0	2.6	3.0	2.5	R	5.3	1.0	5.3	MS
13	BLH 111	5.0	4.5	2.5	4.0	MR	8.0	3.0	8.0	S
14	CCH 9999	5.0	6.2	2.0	4.4	MR	8.5	6.0	8.5	S
15	DMRH 1410	5.0	5.2	3.5	4.6	MR	7.0	6.0	7.0	MS
16	IMHBG-2016-4	3.0	3.1	2.0	2.7	R	5.0	1.0	5.0	MR
17	IMH 1603	3.0	4.4	3.0	3.5	MR	5.3	1.5	5.3	MS
18	RCRMH 2	4.0	3.4	3.0	3.5	MR	4.0	2.0	4.0	MR
19	IMH 1527	4.5	2.1	3.0	3.2	MR	4.8	1.0	4.8	MR
20	DKC 8174 (IQ8319)	3.0	5.4	2.0	3.5	MR	7.0	2.5	7.0	MS
AVT-II-M										
21	VaMH 12014	3.0	3.4	3.0	3.1	R	4.0	1.5	4.0	MR
22	JKMH 4103	7.0	5.4	4.0	5.5	MS	8.0	4.0	8.0	S
23	JH 13347	5.0	4.1	3.0	4.0	MR	7.0	3.0	7.0	MS

Contd.

Table 5.

S. No.	Genotype	Turcicum leaf blight (1-9)								
		NHZ					PZ			
		ALMO	BARA	LARN	Av. Score	Reaction	DHAR	MAND*	Av. Score	Reaction
24	BIO 9544 (C)	3.0	1.9	3.0	2.6	R	7.0	1.5	7.0	MS
25	CMH 08-292 (C)	2.5	2.3	3.0	2.6	R	4.5	1.0	4.5	MR
26	DHM 121 (C)	-	-	2.0	2.0	R	-	-	-	-
	Res. Check	2.0	-	-	2.0	R	4.0	1.5	4.0	MR
	Sus. Check	8.0	6.4	8.0	7.5	S	9.0	4.5	9.0	S
	Local Check	-	-	-	-	-	-	-	-	-

*Data is not considered due to low disease pressure

Contd.

Res Check:- TLB:- VB-343 (Almora); CI 4 (Dharwad); NAH 1137 (Mandya)

Sus. Check:- TLB:- Jonsar local (Almora); Local check (Barapani, Larnoo); CM 202 (Dharwad, Mandya)

Table 5.

S. No.	Genotype	Banded leaf and sheath blight (1-9)						CLS (1-9)		
		NHZ		NWPZ				CWZ		
		DHAU	Reaction	DELH	KARN	PANT	Av. Score	Reaction	UDAI	Reaction
AVT-I-M										
1	JKMH 4157	3.0	R	3.0	6.0	8.5	5.8	MS	1.5	R
2	LMH 1216	0.5	R	2.0	4.5	8.5	5.0	MR	3.0	R
3	KH-2001 GOLD	2.0	R	3.0	6.0	9.0	6.0	MS	2.5	R
4	JKMH 1414	3.0	R	6.0	6.5	8.5	7.0	MS	4.0	MR
5	IMHBG-2016-6	3.5	MR	2.0	5.5	8.5	5.3	MS	3.0	R
6	DKC(7173)IQ 7802	0.0	R	5.0	5.0	7.5	5.8	MS	3.0	R
7	DMRH1419	0.5	R	4.0	5.5	7.5	5.7	MS	2.0	R
8	BH 414176	2.0	R	6.0	5.0	9.0	6.7	MS	2.5	R
9	DKC 9179 (IQ8627)	3.0	R	2.0	6.0	8.0	5.3	MS	2.5	R
10	LMH 616	2.0	R	2.0	5.0	7.5	4.8	MR	2.0	R
11	OMH 14-18(CAH 1519)	2.5	R	-	6.5	8.5	7.5	S	2.0	R
12	LMH 1116	0.0	R	7.0	5.0	8.5	6.8	MS	2.0	R
13	BLH 111	3.0	R	5.0	7.0	8.0	6.7	MS	2.5	R
14	CCH 9999	2.0	R	2.0	6.0	8.5	5.5	MS	2.5	R
15	DMRH 1410	2.0	R	2.0	6.0	9.0	5.7	MS	1.5	R
16	IMHBG-2016-4	3.0	R	4.0	5.0	8.0	5.7	MS	4.0	MR
17	IMH 1603	2.0	R	5.0	6.5	9.0	6.8	MS	2.0	R
18	RCRMH 2	2.0	R	3.0	5.0	9.0	5.7	MS	2.0	R
19	IMH 1527	1.0	R	3.0	6.5	8.5	6.0	MS	2.5	R
20	DKC 8174 (IQ8319)	2.0	R	3.0	6.0	8.5	5.8	MS	4.5	MR
AVT-II-M										
21	VaMH 12014	1.5	R	2.0	5.5	8.5	5.3	MS	2.0	R
22	JKMH 4103	2.0	R	4.0	5.5	8.0	5.8	MS	2.5	R
23	JH 13347	1.5	R	7.0	5.5	8.5	7.0	MS	2.5	R

Contd.

Table 5.

S. No. Genotype	Banded leaf and sheath blight (1-9)							CLS (1-9)	
	NHZ		NWPZ					CWZ	
	DHAU	Reaction	DELH	KARN	PANT	Av. Score	Reaction	UDAI	Reaction
24 BIO 9544 (C)	2.5	R	-	5.5	8.5	7.0	MS	2.5	R
25 CMH 08-292 (C)	1.0	R	2.0	5.5	7.5	5.0	MR	2.5	R
26 DHM 121 (C)	0.0	R	-	1.0	7.0	4.0	MR	3.5	MR
Res. Check	1.0	R	-	4.0	-	4.0	MR	3.3	MR
Sus. Check	6.5	MS	9.0	6.5	9.0	8.2	S	6.3	MS
Local Check	5.5	MS	-	-	9.0	9.0	S	-	-

Contd.

Res. Check:- BLSB:- DH 1107 (Dhaulakuan); HQPM-1 (Karnal); CLS:- DHM 117 (Udaipur)

Sus. Check:- BLSB:- CM 600 (Dhaulakuan, Karnal, Pantnagar); CM 501 (Delhi); CLS:- Surya (Udaipur)

Local Check:- BLSB:- Early Compsite (Dhaulakuan); PSM 3 (Pantnagar)

Table 5.

S. No.	Genotype	Charcoal rot (1-9)						C. Rust (1-9)		P. Rust (1-9)*	
		NWPZ		PZ				PZ		PZ	
		LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
AVT-I-M											
1	JKMH 4157	4.8	MR	4.1	4.4	4.2	MR	7.5	S	1.5	-
2	LMH 1216	4.0	MR	3.6	4.3	4.0	MR	5.3	MS	2.0	-
3	KH-2001 GOLD	5.0	MR	3.9	3.5	3.7	MR	5.5	MS	1.5	-
4	JKMH 1414	3.5	MR	3.9	3.9	3.9	MR	6.0	MS	2.0	-
5	IMHBG-2016-6	4.1	MR	3.6	3.3	3.4	MR	6.0	MS	1.5	-
6	DKC(7173)IQ 7802	4.6	MR	3.6	3.8	3.7	MR	5.0	MS	1.5	-
7	DMRH1419	3.7	MR	4.1	3.8	3.9	MR	6.5	S	3.5	-
8	BH 414176	4.6	MR	4.5	3.0	3.8	MR	5.8	MS	3.5	-
9	DKC 9179 (IQ8627)	3.7	MR	5.0	3.9	4.4	MR	2.0	R	2.0	-
10	LMH 616	2.7	R	2.9	5.2	4.0	MR	9.0	S	3.0	-
11	OMH 14-18(CAH 1519)	4.3	MR	3.0	3.1	3.0	R	4.3	MS	2.0	-
12	LMH 1116	3.4	MR	4.5	3.2	3.9	MR	6.0	MS	1.0	-
13	BLH 111	4.3	MR	2.2	3.1	2.6	R	5.0	MS	6.0	-
14	CCH 9999	4.8	MR	6.1	4.4	5.2	MS	6.3	S	1.5	-
15	DMRH 1410	4.3	MR	1.7	4.4	3.0	R	6.0	MS	2.0	-
16	IMHBG-2016-4	3.5	MR	2.4	4.1	3.2	MR	6.8	S	1.5	-
17	IMH 1603	3.2	MR	2.0	5.0	3.5	MR	7.5	S	3.0	-
18	RCRMH 2	3.8	MR	3.8	3.3	3.6	MR	4.0	MR	1.5	-
19	IMH 1527	4.4	MR	1.8	3.6	2.7	R	7.5	S	2.5	-
20	DKC 8174 (IQ8319)	4.1	MR	2.1	3.9	3.0	R	5.5	MS	2.0	-
AVT-II-M											
21	VaMH 12014	3.8	MR	2.2	4.8	3.5	MR	6.0	MS	3.0	-
22	JKMH 4103	4.1	MR	3.4	4.1	3.8	MR	5.0	MS	1.5	-
23	JH 13347	3.9	MR	2.3	5.2	3.8	MR	9.0	S	1.5	-

Contd.

Table 5.

S. No.	Genotype	Charcoal rot (1-9)						C. Rust (1-9)		P. Rust (1-9)*	
		NWPZ		PZ				PZ		PZ	
		LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
24	BIO 9544 (C)	3.9	MR	3.8	3.0	3.4	MR	7.0	S	1.5	-
25	CMH 08-292 (C)	3.6	MR	4.7	4.5	4.6	MR	2.5	MR	2.0	-
26	DHM 121 (C)	-	-	4.9	3.9	4.4	MR	-	-	-	-
	Res. Check	2.6	R	1.0	2.9	2.0	R	4.0	MR	2.0	-
	Sus. Check	6.0	MS	6.6	7.2	6.9	MS	8.0	S	5.8	-
	Local Check	6.9	MS	-	6.7	6.7	MS	-	-	-	-

*Data is not considered due to low disease pressure

Contd.

Res. Check:- C.Rot:- LET DR (Ludhiana); CoH6 (Coimbatore); JCY2-7 (Hyderabad); C.Rust:- CI 4 (Dharwad); P.Rust:- NAH 1137 (Mandya)

Sus. Check:- C.Rot:- CM 501 (Ludhiana, Hyderabad); CM 600 (Coimbatore); C.Rust:- CM 202 (Dharwad); P.Rust:- CM 202 (Mandya)

Local Check:- C.Rot:- CM 140 (Ludhiana); BML-6 (Hyderabad)

Table 5.

S. No.	Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode	
		PZ		CWZ		NHZ		NWPZ		CWZ	
		MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction
AVT-I-M		Range cyst/ plant N=5									
1	JKMH 4157	100	S	8	R	21	MR	33	MS	14--23	S
2	LMH 1216	37	MS	0	R	19	MR	26	MS	3--7	MR
3	KH-2001 GOLD	91	S	8	R	34	MS	45	MS	18--24	S
4	JKMH 1414	47	MS	7	R	38	MS	33	MS	30--38	S
5	IMHBG-2016-6	42	MS	25	MR	12	MR	18	MR	30--40	S
6	DKC(7173)IQ 7802	100	S	14	MR	6	R	31	MS	32--44	S
7	DMRH1419	95	S	17	MR	23	MR	18	MR	15--21	S
8	BH 414176	100	S	8	R	18	MR	32	MS	31--39	S
9	DKC 9179 (IQ8627)	72	S	17	MR	9	R	23	MR	12--23	S
10	LMH 616	94	S	5	R	0	R	17	MR	21--27	S
11	OMH 14-18(CAH 1519)	93	S	15	MR	29	MS	30	MS	15--25	S
12	LMH 1116	88	S	12	MR	9	R	34	MS	15--19	S
13	BLH 111	100	S	15	MR	10	R	33	MS	36--43	S
14	CCH 9999	100	S	13	MR	14	MR	42	MS	15--21	S
15	DMRH 1410	100	S	24	MR	10	R	21	MR	10--17	S
16	IMHBG-2016-4	48	MS	3	R	8	R	39	MS	11--19	S
17	IMH 1603	100	S	4	R	22	MR	9	R	28--39	S
18	RCRMH 2	81	S	6	R	23	MR	57	S	15--21	S
19	IMH 1527	100	S	14	MR	5	R	33	MS	10--15	S
20	DKC 8174 (IQ8319)	28	MS	16	MR	12	MR	36	MS	16--29	S
AVT-II-M											
21	VaMH 12014	100	S	6	R	24	MR	38	MS	19--27	S
22	JKMH 4103	93	S	21	MR	26	MS	45	MS	10--16	S
23	JH 13347	100	S	17	MR	12	MR	25	MR	13--19	S

Contd.

Table 5.

S. No.	Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode	
		PZ		CWZ		NHZ		NWPZ		CWZ	
		MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction
24	BIO 9544 (C)	34	MS	15	MR	3	R	45	MS	20--28	S
25	CMH 08-292 (C)	31	MS	7	R	33	MS	32	MS	18--27	S
26	DHM 121 (C)	100	S	25	MR	-	-	18	MR	NG	
	Res. Check	0	R	14	MR	8	R	-	-	4--8	MR
	Sus. Check	91	S	81	S	43	MS	45	MS	33--40	S
	Local Check	-	-	-	-	44	MS	60	S	14--20	S

Res. Check:- SDM:- NAH-1137 (Mandya); RDM:- DHM-117 (Udaipur); BSR:- DH-1107 (Dhaulakuan); Cyst Nematode:- Pratap Hybrid Maize-3 (Udaipur)

Sus. Check:- SDM:- CM 500 (Mandya); RDM:- Surya (Udaipur); BSR:- CM 600 (Dhaulakuan, Pantnagar); Cyst Nematode:- Pratap Makka-3 (Udaipur)

Local Check:- BSR:- Early Composite (Dhaulakuan); PSM-3 (Pantnagar); Cyst Nematode:- Pratap Makka-9 (Udaipur)

Table 6. Screening of AVT-I-II (early maturity) maize hybrids

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ				NEPZ				
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
AVT-I-E										
1	JH 31816	1.0	6.5	4.0	3.8	MR	5.0	7.4	6.2	MS
2	KH-102	6.0	7.0	4.5	5.8	MS	6.0	6.7	6.4	MS
3	FH 3768	5.0	6.0	3.5	4.8	MR	4.0	6.6	5.3	MS
4	KDMH-103* (NIVT-STATE)	8.0	7.0	4.5	6.5	MS	7.0	7.2	7.1	MS
5	H-64* (NIVT-STATE)	4.0	5.0	4.0	4.3	MR	4.5	6.4	5.5	MS
6	FH 3765	4.0	5.5	3.5	4.3	MR	6.0	6.6	6.3	MS
7	H-100* (NIVT-STATE)	5.0	7.0	4.0	5.3	MS	5.5	6.6	6.1	MS
8	FH 3771	1.0	5.5	3.5	3.3	MR	3.0	7.0	5.0	MR
AVT-II-E										
9	DMRH 1305	4.0	9.0	4.0	5.7	MS	7.5	6.8	7.2	S
10	JKMH 4222	2.0	5.5	3.5	3.7	MR	4.5	6.9	5.7	MS
11	FH 3754	1.0	6.0	2.5	3.2	MR	7.5	7.2	7.4	S
12	PMH5 (C)	6.0	5.5	3.5	5.0	MR	8.0	6.7	7.4	S
13	BIO605 (C)	2.0	6.0	2.5	3.5	MR	6.5	6.6	6.6	MS
14	DKC 7074 (C)	1.0	5.0	3.0	3.0	R	5.5	6.6	6.1	MS
15	Prakash (C)	3.0	6.5	4.5	4.7	MR	4.0	6.9	5.5	MS
Res. Check		-	3.5	2.5	3.0	R	-	-	-	-
Sus. Check		9.0	8.0	5.0	7.3	S	8.5	8.4	8.5	S
Local Check		-	-	7.0	7.0	MS	-	-	-	-

Contd.

Res. Check:- MLB:- LET DR (Ludhiana); HQPM-1 (Karnal)

Sus. Check:- MLB:- CM 600 (Delhi, Karnal, Kalyani); CM 501 (Ludhiana); CML 186 (Dholi)

Local Check:- MLB:- CM 140 (Ludhiana)

Table 6.

S. No.	Genotype	Turcicum leaf blight (1-9)								
		NHZ					PZ			
		ALMO	BARA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
AVT-I-E										
1	JH 31816	7.0	7.4	3.0	5.8	MS	7.5	8.0	7.8	S
2	KH-102	6.0	7.3	4.0	5.8	MS	9.0	7.5	8.3	S
3	FH 3768	5.0	5.7	3.0	4.6	MR	6.0	3.5	4.8	MR
4	KDMH-103* (NIVT-STATE)	7.5	7.8	4.0	6.4	MS	9.0	8.0	8.5	S
5	H-64* (NIVT-STATE)	4.0	4.0	2.0	3.3	MR	4.0	3.5	3.8	MR
6	FH 3765	5.5	4.1	3.0	4.2	MR	4.5	2.5	3.5	MR
7	H-100* (NIVT-STATE)	8.0	6.8	6.0	6.9	MS	5.5	7.0	6.3	MS
8	FH 3771	4.0	4.9	3.0	4.0	MR	5.5	3.5	4.5	MR
AVT-II-E										
9	DMRH 1305	4.0	5.1	2.0	3.7	MR	6.8	1.0	3.9	MR
10	JKMH 4222	6.0	13.0	3.5	7.5	S	7.5	5.0	6.3	MS
11	FH 3754	6.0	5.5	2.5	4.7	MR	6.8	5.0	5.9	MS
12	PMH5 (C)	8.0	8.5	6.0	7.5	S	9.0	9.0	9.0	S
13	BIO605 (C)	3.0	5.7	2.0	3.6	MR	4.0	1.0	2.5	R
14	DKC 7074 (C)	3.0	4.9	2.0	3.3	MR	3.0	2.0	2.5	R
15	Prakash (C)	8.0	7.5	4.5	6.7	MS	7.5	8.5	8.0	S
Res. Check		2.0	-	-	2.0	R	4.0	2.0	3.0	R
Sus. Check		8.0	6.2	8.0	7.4	S	9.0	8.3	8.6	S
Local Check		-	-	-	-	-	-	-	-	-

Contd.

Res Check:- TLB:- VB-343 (Almora); CI 4 (Dharwad); NAH 1137 (Mandya)

Sus. Check:- TLB:- Jonsar local (Almora); Local check (Barapani, Larnoo); CM 202 (Dharwad, Mandya)

Table 6.

S. No.	Genotype	Banded leaf and sheath blight (1-9)						CLS (1-9)		
		NHZ		NWPZ				CWZ		
		DHAU	Reaction	DELH	KARN	PANT	Av. Score	Reaction	UDAI	Reaction
AVT-I-E										
1	JH 31816	3.0	R	3.0	7.0	9.0	6.3	MS	2.0	R
2	KH-102	3.5	MR	7.0	4.5	8.5	6.7	MS	2.0	R
3	FH 3768	5.5	MS	8.0	8.0	9.0	8.3	S	1.5	R
4	KDMH-103* (NIVT-STATE)	6.0	MS	6.0	8.5	9.0	7.8	S	3.0	R
5	H-64* (NIVT-STATE)	4.0	MR	3.0	2.5	9.0	4.8	MR	2.0	R
6	FH 3765	3.0	R	2.0	5.0	9.0	5.3	MS	2.5	R
7	H-100* (NIVT-STATE)	3.5	MR	6.0	7.0	9.0	7.3	S	3.5	MR
8	FH 3771	5.0	MR	3.0	3.0	9.0	5.0	MR	2.0	R
AVT-II-E										
9	DMRH 1305	5.0	MR	2.0	3.5	9.0	4.8	MR	1.5	R
10	JKMH 4222	3.5	MR	8.0	2.0	8.5	6.2	MS	2.0	R
11	FH 3754	4.0	MR	5.0	3.0	8.5	5.5	MS	4.0	MR
12	PMH5 (C)	4.5	MR	6.0	2.0	9.0	5.7	MS	3.0	R
13	BIO605 (C)	2.0	R	5.0	1.0	7.5	4.5	MR	3.0	R
14	DKC 7074 (C)	3.5	MR	5.0	3.5	9.0	5.8	MS	2.5	R
15	Prakash (C)	4.5	MR	5.0	1.0	7.5	4.5	MR	3.0	R
Res. Check		1.5	R	-	3.5	-	3.5	MR	1.8	R
Sus. Check		6.5	MS	9.0	7.5	9.0	8.5	S	5.3	MS
Local Check		5.5	MS	-	-	9.0	9.0	S	-	-

Contd.

Res. Check:- BLSB:- DH 1107 (Dhaulakuan); HQPM-1 (Karnal); CLS:- DHM 117 (Udaipur)

Sus. Check:- BLSB:- CM 600 (Dhaulakuan, Karnal, Pantnagar); CM 501 (Delhi); CLS:- Surya (Udaipur)

Local Check:- BLSB:- Early Composite (Dhaulakuan); PSM 3 (Pantnagar)

Table 6.

S. No.	Genotype	Charcoal rot (1-9)						C. Rust (1-9)		P. Rust (1-9)	
		NWPZ		PZ				PZ		PZ	
		LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
AVT-I-E											
1	JH 31816	6.0	MS	3.8	5.3	4.5	MR	7.0	S	2.0	R
2	KH-102	4.6	MR	2.2	4.8	3.5	MR	8.5	S	2.0	R
3	FH 3768	7.7	S	2.4	4.7	3.6	MR	6.0	MS	1.5	R
4	KDMH-103* (NIVT-STATE)	7.8	S	4.1	6.3	5.2	MS	8.0	S	3.5	MR
5	H-64* (NIVT-STATE)	7.5	S	2.6	4.3	3.5	MR	2.5	MR	1.5	R
6	FH 3765	7.0	MS	1.6	6.0	3.8	MR	4.5	MS	1.0	HR
7	H-100* (NIVT-STATE)	7.0	MS	4.9	6.2	5.5	MS	4.5	MS	2.0	R
8	FH 3771	6.9	MS	3.0	4.8	3.9	MR	6.5	S	1.5	R
AVT-II-E											
9	DMRH 1305	8.6	S	1.9	4.8	3.3	MR	8.5	S	3.5	MR
10	JKMH 4222	7.0	MS	1.3	4.4	2.8	R	6.0	MS	5.0	MS
11	FH 3754	5.3	MS	2.9	5.0	3.9	MR	6.0	MS	2.0	R
12	PMH5 (C)	8.5	S	2.0	4.8	3.4	MR	5.0	MS	2.0	R
13	BIO605 (C)	4.8	MR	3.3	4.3	3.8	MR	2.5	MR	1.0	HR
14	DKC 7074 (C)	4.6	MR	3.3	4.4	3.8	MR	2.3	MR	2.0	R
15	Prakash (C)	6.8	MS	2.5	5.8	4.2	MR	8.0	S	2.0	R
Res. Check		3.2	MR	1.0	2.9	2.0	R	4.0	MR	2.5	MR
Sus. Check		7.3	S	7.1	7.2	7.2	S	8.0	S	6.3	S
Local Check		6.9	MS	-	6.7	6.7	MS	-	-	-	-

Contd.

Res. Check:- C.Rot:- LET DR (Ludhiana); CoH6 (Coimbatore); JCY2-7 (Hyderabad); **C.Rust:-** CI 4 (Dharwad); **P.Rust:-** NAH 1137 (Mandya)

Sus. Check:- C.Rot:- CM 501 (Ludhiana, Hyderabad); CM 600 (Coimbatore); **C.Rust:-** CM 202 (Dharwad); **P.Rust:-** CM 202 (Mandya)

Local Check:- C.Rot:- CM 140 (Ludhiana); BML-6 (Hyderabad)

Table 6.

S. No.	Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode		
		PZ		CWZ		NHZ		NWPZ		CWZ		
		MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction	
AVT-I-E											Range cyst/ plant N=5	
1	JH 31816	100	S	6	R	19	MR	39	MS	16--24	S	
2	KH-102	95	S	7	R	27	MS	31	MS	37--41	S	
3	FH 3768	100	S	13	MR	20	MR	59	S	21--35	S	
4	KDMH-103* (NIVT-STATE)	100	S	35	MS	31	MS	53	S	26--35	S	
5	H-64* (NIVT-STATE)	100	S	18	MR	12	MR	45	MS	31--40	S	
6	FH 3765	100	S	33	MS	36	MS	18	MR	28--41	S	
7	H-100* (NIVT-STATE)	100	S	35	MS	29	MS	40	MS	32--36	S	
8	FH 3771	96	S	14	MR	43	MS	47	MS	28--38	S	
AVT-II-E												
9	DMRH 1305	90	S	26	MS	21	MR	39	MS	27--42	S	
10	JKMH 4222	100	S	6	R	22	MR	33	MS	29--43	S	
11	FH 3754	100	S	5	R	33	MS	43	MS	11--18	S	
12	PMH5 (C)	100	S	32	MS	48	MS	42	MS	13--19	S	
13	BIO605 (C)	77	S	32	MS	37	MS	35	MS	13--20	S	
14	DKC 7074 (C)	19	MR	22	MR	16	MR	19	MR	26--29	S	
15	Prakash (C)	100	S	14	MR	42	MS	39	MS	28--39	S	
Res. Check		0	R	14	MR	11	MR	-	-	4--8	MR	
Sus. Check		100	S	81	S	61	S	50	MS	32--40	S	
Local Check		-	-	-	-	52	S	70	S	12--20	S	

Res. Check:- SDM:- NAH-1137 (Mandya); RDM:- DHM-117 (Udaipur); BSR:- DH-1107 (Dhaulakuan); Cyst Nematode:- Pratap Hybrid Maize-3 (Udaipur)

Sus. Check:- SDM:- CM 500 (Mandya); RDM:- Surya (Udaipur); BSR:- CM 600 (Dhaulakuan, Pantnagar); Cyst Nematode:- Pratap Makka-3 (Udaipur)

Local Check:- BSR:- Early Composite (Dhaulakuan); PSM-3 (Pantnagar); Cyst Nematode:- Pratap Makka-9 (Udaipur)

Table 7. Screening of specialty (Sweet corn-I-II-III) maize hybrids

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ				NEPZ				
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
1	ASKH-4	8.0	7.0	4.5	6.5	MS	6.0	7.6	6.8	MS
2	Nuzi 260	2.0	5.5	3.0	3.5	MR	5.0	6.0	5.5	MS
3	BSCH 6	8.0	8.0	4.0	6.7	MS	5.0	4.6	4.8	MR
4	MITHAS	3.0	5.0	3.5	3.8	MR	5.0	7.1	6.1	MS
5	ASKH-1	7.0	7.0	3.5	5.8	MS	4.0	6.4	5.2	MS
6	ASKH-61	7.0	7.5	4.0	6.2	MS	3.0	6.0	4.5	MR
7	FSCH 75	7.0	9.0	6.5	7.5	S	6.5	5.3	5.9	MS
8	FSCH 98	7.0	9.0	6.0	7.3	S	7.5	7.5	7.5	S
9	NSCH-130	3.0	7.0	5.0	5.0	MR	6.0	6.7	6.4	MS
10	Madhula	7.0	8.5	5.5	7.0	MS	5.0	6.0	5.5	MS
11	BIO 4043	2.0	7.5	4.5	4.7	MR	5.5	7.0	6.3	MS
12	Misthi (C)	4.0	7.5	5.0	5.5	MS	5.5	6.5	6.0	MS
13	Madhuri Sweet Corn (C)	8.0	8.5	6.0	7.5	S	4.5	5.9	5.2	MS
14	Priya Sweet Corn (C)	8.0	8.5	6.5	7.7	S	8.0	6.7	7.4	S
15	WOSC (C)	6.0	9.0	5.5	6.8	MS	4.0	5.5	4.8	MR
	Res. Check	-	3.5	3.0	3.3	MR	-	-	-	-
	Sus. Check	8.0	7.5	5.0	6.8	MS	8.5	8.1	8.3	S
	Local Check	-	-	5.5	5.5	MS	-	-	-	-

Contd.

Res. Check:- MLB:- LET DR (Ludhiana); HQPM-1 (Karnal)

Sus. Check:- MLB:- CM 600 (Delhi, Karnal, Kalyani); CM 501 (Ludhiana); CML 186 (Dholi)

Local Check:- MLB:- CM 140 (Ludhiana)

Table 7.

S. No. Genotype	Turcicum leaf blight (1-9)									
	NHZ					PZ				
	ALMO	BARA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction	
1 ASKH-4	4.0	6.7	6.0	5.6	MS	7.5	5.0	6.3	MS	
2 Nuzi 260	5.0	6.8	3.0	4.9	MR	6.8	7.0	6.9	MS	
3 BSCH 6	3.0	6.3	4.0	4.4	MR	6.8	3.0	4.9	MR	
4 MITHAS	2.0	6.2	4.5	4.2	MR	8.0	2.5	5.3	MS	
5 ASKH-1	5.0	6.5	5.0	5.5	MS	8.3	5.0	6.6	MS	
6 ASKH-61	6.0	7.7	6.0	6.6	MS	9.0	8.0	8.5	S	
7 FSCH 75	3.0	5.6	3.0	3.9	MR	8.0	1.5	4.8	MR	
8 FSCH 98	4.0	5.1	3.5	4.2	MR	8.5	3.0	5.8	MS	
9 NSCH-130	6.0	7.0	5.0	6.0	MS	8.0	7.0	7.5	S	
10 Madhula	2.5	6.6	5.5	4.9	MR	5.8	3.5	4.6	MR	
11 BIO 4043	4.0	6.4	5.0	5.1	MR	8.0	6.5	7.3	S	
12 Misthi (C)	3.0	4.0	3.5	3.5	MR	6.0	5.0	5.5	MS	
13 Madhuri Sweet Corn (C)	2.0	4.4	5.0	3.8	MR	8.0	2.5	5.3	MS	
14 Priya Sweet Corn (C)	3.0	5.9	3.0	4.0	MR	9.0	4.0	6.5	MS	
15 WOSC (C)	4.0	6.4	4.5	5.0	MR	7.5	5.5	6.5	MS	
Res. Check	2.0	-	-	2.0	R	4.0	1.5	2.8	R	
Sus. Check	8.0	8.8	9.0	8.6	S	9.0	8.3	8.6	S	
Local Check	-	-	-	-	-	-	-	-	-	

Contd.

Res Check:- TLB:- VB-343 (Almora); CI 4 (Dharwad); NAH 1137 (Mandya)

Sus. Check:- TLB:- Jonsar local (Almora); Local check (Barapani, Larnoo); CM 202 (Dharwad, Mandya)

Table 7.

S. No. Genotype	Banded leaf and sheath blight (1-9)							CLS (1-9)	
	NHZ		NWPZ				CWZ		
	DHAU*	Reaction	DELH	KARN	PANT	Av. Score	Reaction	UDAI	Reaction
1 ASKH-4	4.0	-	2.0	3.5	8.5	4.7	MR	7.0	MS
2 Nuzi 260	1.5	-	2.0	2.5	8.0	4.2	MR	3.0	R
3 BSCH 6	2.5	-	2.0	5.5	8.5	5.3	MS	3.0	R
4 MITHAS	2.0	-	5.0	5.0	9.0	6.3	MS	3.5	MR
5 ASKH-1	2.5	-	2.0	3.0	9.0	4.7	MR	2.5	R
6 ASKH-61	2.0	-	5.0	5.5	6.0	5.5	MS	2.5	R
7 FSCH 75	1.5	-	5.0	1.0	9.0	5.0	MR	2.0	R
8 FSCH 98	2.0	-	4.0	3.5	9.0	5.5	MS	3.0	R
9 NSCH-130	3.0	-	5.0	1.0	8.5	4.8	MR	3.5	MR
10 Madhula	2.0	-	2.0	1.0	8.5	3.8	MR	2.0	R
11 BIO 4043	3.5	-	2.0	3.0	8.5	4.5	MR	3.0	R
12 Misthi (C)	2.0	-	3.0	1.0	8.0	4.0	MR	5.5	MS
13 Madhuri Sweet Corn (C)	2.0	-	6.0	5.5	8.5	6.7	MS	4.5	MR
14 Priya Sweet Corn (C)	2.0	-	6.0	3.0	8.5	5.8	MS	4.0	MR
15 WOSC (C)	3.5	-	7.0	2.5	9.0	6.2	MS	3.5	MR
Res. Check	0.5	-	-	4.0	-	4.0	MR	3.0	R
Sus. Check	4.5	-	9.0	8.0	9.0	8.7	S	6.8	MS
Local Check	4.5	-	-	-	9.0	9.0	S	-	-

*Data is not considered due to low disease pressure

Contd.

Res. Check:- BLSB:- DH 1107 (Dhaulakuan); HQPM-1 (Karnal); CLS:- DHM 117 (Udaipur)

Sus. Check:- BLSB:- CM 600 (Dhaulakuan, Karnal, Pantnagar); CM 501 (Delhi); CLS:- Surya (Udaipur)

Local Check:- BLSB:- Early Composite (Dhaulakuan); PSM 3 (Pantnagar)

Table 7.

S. No.	Genotype	Charcoal rot (1-9)						C. Rust (1-9)		P. Rust (1-9)	
		NWPZ		PZ				PZ		PZ	
		LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
1	ASKH-4	8.0	S	4.2	6.9	5.5	MS	5.8	MS	6.0	MS
2	Nuzi 260	5.7	MS	3.2	7.2	5.2	MS	6.5	S	3.0	MR
3	BSCH 6	6.2	MS	2.8	7.5	5.2	MS	7.5	S	1.0	HR
4	MITHAS	5.2	MS	3.9	7.2	5.5	MS	8.0	S	4.0	MR
5	ASKH-1	5.2	MS	3.8	7.8	5.8	MS	6.5	S	2.0	R
6	ASKH-61	6.3	MS	3.5	7.3	5.4	MS	9.0	S	2.0	R
7	FSCH 75	8.2	S	3.0	6.9	5.0	MR	7.5	S	3.0	MR
8	FSCH 98	7.4	S	5.3	6.4	5.8	MS	7.0	S	2.5	MR
9	NSCH-130	8.0	S	5.8	6.6	6.2	MS	7.0	S	2.0	R
10	Madhula	6.5	MS	2.6	6.1	4.3	MR	7.8	S	3.0	MR
11	BIO 4043	5.3	MS	3.8	7.6	5.7	MS	7.5	S	2.0	R
12	Misthi (C)	4.6	MR	3.0	7.3	5.1	MR	7.3	S	1.5	R
13	Madhuri Sweet Corn (C)	7.5	S	3.5	7.7	5.6	MS	8.5	S	3.0	MR
14	Priya Sweet Corn (C)	7.3	S	4.2	6.3	5.3	MS	7.5	S	1.5	R
15	WOSC (C)	7.4	S	5.4	7.3	6.3	MS	7.0	S	2.0	R
	Res. Check	3.3	MR	1.1	2.9	2.0	R	4.0	MR	2.0	R
	Sus. Check	6.1	MS	6.2	7.2	6.7	MS	8.0	S	7.0	S
	Local Check	6.5	MS	-	6.7	6.7	MS	-	-	-	-

Contd.

Res. Check:- C.Rot:- LET DR (Ludhiana); CoH6 (Coimbatore); JCY2-7 (Hyderabad); **C.Rust:-** CI 4 (Dharwad); **P.Rust:-** NAH 1137 (Mandya)

Sus. Check:- C.Rot:- CM 501 (Ludhiana, Hyderabad); CM 600 (Coimbatore); **C.Rust:-** CM 202 (Dharwad); **P.Rust:-** CM 202 (Mandya)

Local Check:- C.Rot:- CM 140 (Ludhiana); BML-6 (Hyderabad)

Table 7.

S. No. Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode		
	PZ		CWZ		NHZ		NWPZ		CWZ		
	MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction	
Range cyst/ plant N=5											
1	ASKH-4	100	S	20	MR	26	MS	48	MS	17--28	S
2	Nuzi 260	100	S	36	MS	23	MR	50	MS	4--8	MR
3	BSCH 6	85	S	11	MR	13	MR	58	S	30--40	S
4	MITHAS	100	S	35	MS	22	MR	25	MR	14--23	S
5	ASKH-1	59	S	5	R	13	MR	32	MS	11--15	S
6	ASKH-61	100	S	35	MS	7	R	33	MS	3--7	MR
7	FSCH 75	43	MS	9	R	38	MS	33	MS	29--38	S
8	FSCH 98	61	S	9	R	20	MR	86	S	32--40	S
9	NSCH-130	100	S	20	MR	45	MS	71	S	29--33	S
10	Madhula	100	S	10	R	15	MR	29	MS	16--24	S
11	BIO 4043	100	S	0	R	14	MR	29	MS	11--15	S
12	Misthi (C)	100	S	13	MR	9	R	50	MS	15--23	S
13	Madhuri Sweet Corn (C)	100	S	42	MS	25	MR	67	S	22--27	S
14	Priya Sweet Corn (C)	100	S	18	MR	45	MS	65	S	28--36	S
15	WOSC (C)	100	S	13	MR	32	MS	48	MS	21--29	S
Res. Check		0	R	14	MR	9	R	-	-	3--6	MR
Sus. Check		85	S	81	S	44	MS	40	MS	31--36	S
Local Check		-	-	-	-	54	S	60	S	12--20	S

Res. Check:- SDM:- NAH-1137 (Mandya); RDM:- DHM-117 (Udaipur); BSR:- DH-1107 (Dhaulakuan); Cyst Nematode:- Pratap Hybrid Maize-3 (Udaipur)

Sus. Check:- SDM:- CM 500 (Mandya); RDM:- Surya (Udaipur); BSR:- CM 600 (Dhaulakuan, Pantnagar); Cyst Nematode:- Pratap Makka-3 (Udaipur)

Local Check:- BSR:- Early Composite (Dhaulakuan); PSM-3 (Pantnagar); Cyst Nematode:- Pratap Makka-9 (Udaipur)

Table 8. Screening of specialty (Baby corn-I-II-III) maize hybrids

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ					NEPZ			
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
1	AH-7043	1.0	4.0	2.0	2.3	R	4.0	1.3	2.7	R
2	MBC 11-15	7.0	6.5	4.0	5.8	MS	7.5	2.9	5.2	MS
3	IMHB 1538	8.0	5.5	3.5	5.7	MS	7.0	2.3	4.7	MR
4	GAYMH-1	3.0	6.5	4.0	4.5	MR	7.0	2.2	4.6	MR
5	IMHB 1529	5.0	5.0	3.0	4.3	MR	7.5	1.5	4.5	MR
6	PAC 321	3.0	5.0	2.0	3.3	MR	7.0	1.6	4.3	MR
7	IMHB 1532	3.0	5.5	2.5	3.7	MR	8.5	2.5	5.5	MS
8	IMHB 1539	6.0	6.5	4.0	5.5	MS	8.5	2.5	5.5	MS
9	DMRHB 1305	7.0	5.5	4.0	5.5	MS	6.5	2.5	4.5	MR
10	AHB 6005	3.0	8.0	3.0	4.7	MR	7.0	2.5	4.8	MR
11	HM 4 (C)	1.0	5.0	3.5	3.2	MR	4.5	2.2	3.4	MR
	Res. Check	-	4.0	2.5	3.3	MR	-	-	-	-
	Sus. Check	8.0	8.0	7.0	7.7	S	9.0	6.7	7.9	S
	Local Check	-	-	7.0	7.0	MS	-	-	-	-

Contd.

Res. Check:- MLB:- LET DR (Ludhiana); HQPM-1 (Karnal)

Sus. Check:- MLB:- CM 600 (Delhi, Karnal, Kalyani); CM 501 (Ludhiana); CML 186 (Dholi)

Local Check:- MLB:- CM 140 (Ludhiana)

Table 8.

S. No.	Genotype	Turcicum leaf blight (1-9)								
		NHZ					PZ			
		ALMO	BARA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
1	AH-7043	3.0	6.9	2.0	4.0	MR	8.0	3.5	5.8	MS
2	MBC 11-15	3.5	5.5	3.5	4.2	MR	5.0	3.5	4.3	MR
3	IMHB 1538	5.0	5.0	2.0	4.0	MR	6.5	5.0	5.8	MS
4	GAYMH-1	3.5	6.7	3.0	4.4	MR	8.0	4.0	6.0	MS
5	IMHB 1529	2.5	4.8	3.5	3.6	MR	5.0	4.5	4.8	MR
6	PAC 321	2.0	-	2.5	2.3	R	3.0	2.0	2.5	R
7	IMHB 1532	1.0	4.2	5.0	3.4	MR	4.0	1.0	2.5	R
8	IMHB 1539	2.5	5.7	3.0	3.7	MR	4.5	2.0	3.3	MR
9	DMRHB 1305	2.0	5.0	2.0	3.0	R	6.0	1.5	3.8	MR
10	AHB 6005	4.0	4.4	3.0	3.8	MR	8.5	4.5	6.5	MS
11	HM 4 (C)	3.0	6.0	3.0	4.0	MR	5.3	3.0	4.1	MR
	Res. Check	2.0	-	-	2.0	R	4.0	1.5	2.8	R
	Sus. Check	8.0	6.2	6.0	6.7	MS	9.0	7.8	8.4	S
	Local Check	-	-	-	-	-	-	-	-	-

Contd.

Res Check:- TLB:- VB-343 (Almora); CI 4 (Dharwad); NAH 1137 (Mandya)

Sus. Check:- TLB:- Jonsar local (Almora); Local check (Barapani, Larnoo); CM 202 (Dharwad, Mandya)

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Table 8.

S. No. Genotype	Banded leaf and sheath blight (1-9)							CLS (1-9)	
	NHZ		NWPZ				CWZ		
	DHAU	Reaction	DELH	KARN	PANT	Av. Score	Reaction	UDAI	Reaction
1 AH-7043	3.0	R	3.0	6.0	9.0	6.0	MS	4.0	MR
2 MBC 11-15	3.0	R	5.0	7.0	9.0	7.0	MS	3.0	R
3 IMHB 1538	0.5	R	5.0	5.5	9.0	6.5	MS	2.5	R
4 GAYMH-1	1.0	R	2.0	6.0	8.5	5.5	MS	2.0	R
5 IMHB 1529	3.0	R	6.0	6.5	9.0	7.2	S	2.5	R
6 PAC 321	4.5	MR	2.0	5.5	9.0	5.5	MS	3.0	R
7 IMHB 1532	1.5	R	3.0	6.5	8.5	6.0	MS	3.0	R
8 IMHB 1539	2.0	R	2.0	6.5	9.0	5.8	MS	5.0	MR
9 DMRHB 1305	0.0	R	2.0	6.5	9.0	5.8	MS	2.5	R
10 AHB 6005	3.5	MR	7.0	9.0	9.0	8.3	S	3.0	R
11 HM 4 (C)	3.0	R	2.0	5.0	9.0	5.3	MS	2.0	R
Res. Check	1.0	R	-	3.5	-	3.5	MR	2.5	R
Sus. Check	6.5	MS	9.0	7.5	9.0	8.5	S	5.3	MS
Local Check	6.0	MS	-	-	9.0	9.0	S	-	-

Contd.

Res. Check:- BLSB:- DH 1107 (Dhaulakuan); HQPM-1 (Karnal); **CLS:-** DHM 117 (Udaipur)

Sus. Check:- BLSB:- CM 600 (Dhaulakuan, Karnal, Pantnagar); CM 501 (Delhi); **CLS:-** Surya (Udaipur)

Local Check:- BLSB:- Early Compsite (Dhaulakuan); PSM 3 (Pantnagar)

Table 8.

S. No. Genotype	Charcoal rot (1-9)						C. Rust (1-9)	
	NWPZ		PZ				PZ	
	LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction
1 AH-7043	4.3	MR	1.5	7.1	4.3	MR	7.0	S
2 MBC 11-15	4.9	MR	1.9	7.0	4.4	MR	6.0	MS
3 IMHB 1538	5.7	MS	3.2	6.9	5.0	MR	5.5	MS
4 GAYMH-1	5.0	MR	1.7	8.1	4.9	MR	5.0	MS
5 IMHB 1529	5.0	MR	2.6	5.1	3.8	MR	5.8	MS
6 PAC 321	5.9	MS	3.3	5.4	4.3	MR	2.5	MR
7 IMHB 1532	4.4	MR	2.2	7.7	4.9	MR	6.8	S
8 IMHB 1539	6.8	MS	1.4	7.3	4.4	MR	5.8	MS
9 DMRHB 1305	7.2	S	2.6	4.4	3.5	MR	5.5	MS
10 AHB 6005	6.0	MS	3.7	7.1	5.4	MS	6.0	MS
11 HM 4 (C)	4.9	MR	2.8	7.3	5.0	MR	4.3	MS
Res. Check	3.5	MR	1.1	2.9	2.0	R	4.0	MR
Sus. Check	7.1	MS	6.6	7.2	6.9	MS	8.0	S
Local Check	7.5	S	-	6.7	6.7	MS	-	-

Contd.

Res. Check:- C.Rot:- LET DR (Ludhiana); CoH6 (Coimbatore); JCY2-7 (Hyderabad); **C.Rust:-** CI 4 (Dharwad)

Sus. Check:- C.Rot:- CM 501 (Ludhiana, Hyderabad); CM 600 (Coimbatore); **C.Rust:-** CM 202 (Dharwad)

Local Check:- C.Rot:- CM 140 (Ludhiana); BML-6 (Hyderabad)

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Table 8.

S. No. Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode		
	PZ		CWZ		NHZ		NWPZ		CWZ		
	MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction	
Range cyst/ plant N=5											
1	AH-7043	100	S	24	MR	0	R	36	MS	17--25	S
2	MBC 11-15	100	S	17	MR	47	MS	50	MS	31--40	S
3	IMHB 1538	100	S	23	MR	29	MS	51	S	14--19	S
4	GAYMH-1	100	S	20	MR	25	MR	57	S	17--26	S
5	IMHB 1529	96	S	17	MR	49	MS	57	S	11--23	S
6	PAC 321	59	S	10	R	15	MR	55	S	12--18	S
7	IMHB 1532	100	S	6	R	22	MR	35	MS	10--14	S
8	IMHB 1539	100	S	11	MR	27	MS	44	MS	12--22	S
9	DMRHB 1305	100	S	23	MR	33	MS	73	S	23--31	S
10	AHB 6005	96	S	30	MS	18	MR	38	MS	20--30	S
11	HM 4 (C)	100	S	5	R	25	MR	42	MS	11--16	S
	Res. Check	13	MR	14	MR	9	R	-	-	5--9	MR
	Sus. Check	90	S	66	S	58	S	45	MS	31--37	S
	Local Check	-	-	-	-	38	MS	60	S	13--17	S

Res. Check:- SDM:- NAH-1137 (Mandya); RDM:- DHM-117 (Udaipur); BSR:- DH-1107 (Dhaulakuan); Cyst Nematode:- Pratap Hybrid Maize-3 (Udaipur)

Sus. Check:- SDM:- CM 500 (Mandya); RDM:- Surya (Udaipur); BSR:- CM 600 (Dhaulakuan, Pantnagar); Cyst Nematode:- Pratap Makka-3 (Udaipur)

Local Check:- BSR:- Early Composite (Dhaulakuan); PSM-3 (Pantnagar); Cyst Nematode:- Pratap Makka-9 (Udaipur)

Table 9. Screening of specialty (Pop corn-I-II-III) maize hybrids

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ				NEPZ				
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
1	IMHP-1535	8.0	8.0	4.0	6.7	MS	9.0	6.8	7.9	S
2	APCH-1	8.0	6.0	3.0	5.7	MS	7.0	5.0	6.0	MS
3	IHPC-1203	5.0	7.5	3.0	5.2	MS	7.0	6.6	6.8	MS
4	DPCH-306	8.0	8.5	3.0	6.5	MS	8.5	6.1	7.3	S
5	IHPC-1201	8.0	8.0	3.5	6.5	MS	8.0	6.5	7.3	S
6	BPCH 415042	6.0	7.0	3.0	5.3	MS	5.0	5.6	5.3	MS
7	REPCH 2015-1	7.0	6.5	3.5	5.7	MS	6.0	6.4	6.2	MS
8	Zea Maize DZ 50	2.0	8.5	3.0	4.5	MR	8.5	6.9	7.7	S
9	SJPCI	8.0	7.0	3.0	6.0	MS	7.0	6.2	6.6	MS
10	IMHP-1540	8.0	7.0	3.5	6.2	MS	7.5	6.2	6.9	MS
11	REPCH 2015-2	6.0	6.5	3.5	5.3	MS	8.0	6.1	7.1	MS
12	MPC 1-15	7.0	8.0	3.0	6.0	MS	5.5	4.8	5.2	MS
13	Shalimar Popcorn -1	6.0	6.5	3.5	5.3	MS	7.0	6.6	6.8	MS
14	VL Amber Popcorn (C)	7.0	7.5	3.0	5.8	MS	8.0	7.2	7.6	S
	Res. Check	-	3.5	2.0	2.8	R	-	-	-	-
	Sus. Check	8.0	9.0	6.5	7.8	S	9.0	8.6	8.8	S
	Local Check	-	-	6.5	6.5	MS	-	-	-	-

Contd.

Res. Check:- MLB:- LET DR (Ludhiana); HQPM-1 (Karnal)

Sus. Check:- MLB:- CM 600 (Delhi, Karnal, Kalyani); CM 501 (Ludhiana); CML 186 (Dholi)

Local Check:- MLB:- CM 140 (Ludhiana)

Table 9.

S. No. Genotype	Turcicum leaf blight (1-9)									
	NHZ					PZ				
	ALMO	BARA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction	
1 IMHP-1535	6.5	6.8	4.0	5.8	MS	7.3	6.0	6.6	MS	
2 APCH-1	4.0	6.2	2.0	4.1	MR	8.0	3.0	5.5	MS	
3 IHPC-1203	7.0	4.6	3.0	4.9	MR	8.5	6.5	7.5	S	
4 DPCH-306	4.0	6.8	4.0	4.9	MR	4.5	5.5	5.0	MR	
5 IHPC-1201	6.0	6.0	4.0	5.3	MS	5.8	5.0	5.4	MS	
6 BPCH 415042	5.0	7.5	2.0	4.8	MR	9.0	6.5	7.8	S	
7 REPCH 2015-1	6.0	5.8	4.0	5.3	MS	7.5	7.0	7.3	S	
8 Zea Maize DZ 50	6.5	8.3	3.0	5.9	MS	5.0	5.0	5.0	MR	
9 SJPCI	4.0	6.8	4.0	4.9	MR	5.8	5.0	5.4	MS	
10 IMHP-1540	5.5	6.1	2.0	4.5	MR	5.0	5.0	5.0	MR	
11 REPCH 2015-2	5.0	6.8	3.0	4.9	MR	8.5	5.5	7.0	MS	
12 MPC 1-15	6.0	6.2	2.0	4.7	MR	8.0	4.5	6.3	MS	
13 Shalimar Popcorn -1	7.0	7.8	4.0	6.3	MS	8.3	4.0	6.1	MS	
14 VL Amber Popcorn (C)	5.0	8.0	3.0	5.3	MS	7.5	6.5	7.0	MS	
Res. Check	2.0	-	-	2.0	R	4.0	1.5	2.8	R	
Sus. Check	8.0	7.8	6.0	7.3	S	9.0	8.5	8.8	S	
Local Check	-	-	-	-	-	-	-	-	-	

Contd.

Res Check:- TLB:- VB-343 (Almora); CI 4 (Dharwad); NAH 1137 (Mandya)

Sus. Check:- TLB:- Jonsar local (Almora); Local check (Barapani, Larnoo); CM 202 (Dharwad, Mandya)

Table 9.

S. No. Genotype	Banded leaf and sheath blight (1-9)							CLS (1-9)	
	NHZ		NWPZ				CWZ		
	DHAU*	Reaction	DELH	KARN	PANT	Av. Score	Reaction	UDAI	Reaction
1 IMHP-1535	1.0	-	3.0	5.0	9.0	5.7	MS	3.0	R
2 APCH-1	1.0	-	7.0	5.5	8.5	7.0	MS	2.5	R
3 IHPC-1203	1.5	-	4.0	5.5	9.0	6.2	MS	3.0	R
4 DPCH-306	4.0	-	7.0	5.0	8.5	6.8	MS	2.0	R
5 IHPC-1201	1.5	-	6.0	5.5	8.5	6.7	MS	3.0	R
6 BPCH 415042	0.0	-	3.0	5.0	8.0	5.3	MS	1.5	R
7 REPCH 2015-1	1.5	-	2.0	5.5	9.0	5.5	MS	2.5	R
8 Zea Maize DZ 50	5.0	-	5.0	7.5	9.0	7.2	S	2.0	R
9 SJPCI	2.0	-	4.0	3.5	9.0	5.5	MS	2.0	R
10 IMHP-1540	1.0	-	3.0	4.0	8.5	5.2	MS	2.0	R
11 REPCH 2015-2	4.5	-	2.0	5.5	7.5	5.0	MR	3.5	MR
12 MPC 1-15	1.5	-	5.0	4.5	9.0	6.2	MS	2.5	R
13 Shalimar Popcorn -1	4.5	-	2.0	5.5	9.0	5.5	MS	2.5	R
14 VL Amber Popcorn (C)	1.5	-	5.0	5.0	8.5	6.2	MS	3.0	R
Res. Check	1.0	-	-	4.0	-	4.0	MR	2.3	R
Sus. Check	3.5	-	9.0	8.0	9.0	8.7	S	5.8	MS
Local Check	4.5	-	-	-	8.0	8.0	S	-	-

*Data is not considered due to low disease pressure

Contd.

Res. Check:- BLSB:- DH 1107 (Dhaulakuan); HQPM-1 (Karnal); CLS:- DHM 117 (Udaipur)

Sus. Check:- BLSB:- CM 600 (Dhaulakuan, Karnal, Pantnagar); CM 501 (Delhi); CLS:- Surya (Udaipur)

Local Check:- BLSB:- Early CompSITE (Dhaulakuan); PSM 3 (Pantnagar)

Table 9.

S. No. Genotype	Charcoal rot (1-9)						C. Rust (1-9)		P. Rust (1-9)		
	NWPZ		PZ				PZ		PZ		
	LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction	
1	IMHP-1535	4.4	MR	3.3	6.9	5.1	MR	6.5	S	2.0	R
2	APCH-1	3.2	MR	1.9	6.2	4.1	MR	6.5	S	1.5	R
3	IHPC-1203	4.0	MR	2.4	7.0	4.7	MR	6.0	MS	2.0	R
4	DPCH-306	4.8	MR	2.7	6.8	4.7	MR	4.5	MS	2.0	R
5	IHPC-1201	5.8	MS	6.1	7.5	6.8	MS	6.3	S	2.0	R
6	BPCH 415042	5.2	MS	1.5	6.7	4.1	MR	4.0	MR	2.0	R
7	REPCH 2015-1	6.4	MS	1.9	7.5	4.7	MR	6.0	MS	3.5	MR
8	Zea Maize DZ 50	7.2	S	1.8	6.1	3.9	MR	3.5	MR	2.0	R
9	SJPCI	3.9	MR	3.2	6.4	4.8	MR	4.0	MR	1.5	R
10	IMHP-1540	4.4	MR	4.8	7.1	5.9	MS	5.8	MS	4.5	MS
11	REPCH 2015-2	3.7	MR	2.1	6.3	4.2	MR	8.0	S	4.0	MR
12	MPC 1-15	3.8	MR	2.4	7.2	4.8	MR	6.3	S	2.0	R
13	Shalimar Popcorn -1	4.4	MR	4.6	7.2	5.9	MS	8.0	S	1.5	R
14	VL Amber Popcorn (C)	6.7	MS	1.6	6.7	4.1	MR	5.8	MS	2.0	R
	Res. Check	3.3	MR	1.2	2.9	2.1	R	4.0	MR	2.8	MR
	Sus. Check	5.7	MS	5.8	7.2	6.5	MS	8.0	S	7.5	S
	Local Check	7.2	S	-	6.7	6.7	MS	-	-	-	-

Contd.

Res. Check:- C.Rot:- LET DR (Ludhiana); CoH6 (Coimbatore); JCY2-7 (Hyderabad); C.Rust:- CI 4 (Dharwad); P.Rust:- NAH 1137 (Mandya)

Sus. Check:- C.Rot:- CM 501 (Ludhiana, Hyderabad); CM 600 (Coimbatore); C.Rust:- CM 202 (Dharwad); P.Rust:- CM 202 (Mandya)

Local Check:- C.Rot:- CM 140 (Ludhiana); BML-6 (Hyderabad)

Table 9.

S. No. Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode		
	PZ		CWZ		NHZ		NWPZ		CWZ		
	MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction	
Range cyst/ plant N=5											
1	IMHP-1535	100	S	33	MS	34	MS	68	S	23--35	S
2	APCH-1	100	S	15	MR	34	MS	76	S	31--40	S
3	IHPC-1203	100	S	26	MS	14	MR	80	S	23--31	S
4	DPCH-306	100	S	30	MS	41	MS	63	S	20--25	S
5	IHPC-1201	100	S	28	MS	44	MS	82	S	25--33	S
6	BPCH 415042	100	S	32	MS	38	MS	50	MS	29--34	S
7	REPCH 2015-1	100	S	30	MS	27	MS	57	S	22--27	S
8	Zea Maize DZ 50	100	S	33	MS	54	S	71	S	15--22	S
9	SJPCI	100	S	30	MS	37	MS	77	S	27--33	S
10	IMHP-1540	100	S	41	MS	59	S	55	S	32--39	S
11	REPCH 2015-2	100	S	14	MR	41	MS	57	S	9--17	S
12	MPC 1-15	100	S	10	R	39	MS	69	S	24--30	S
13	Shalimar Popcorn -1	100	S	34	MS	34	MS	53	S	13--20	S
14	VL Amber Popcorn (C)	100	S	35	MS	35	MS	80	S	18--24	S
	Res. Check	14	MR	14	MR	8	R	-	-	-	MR
	Sus. Check	100	S	66	S	58	S	29	MS	32--37	S
	Local Check	-	-	-	-	51	S	67	S	12--18	S

Res. Check:- SDM:- NAH-1137 (Mandya); RDM:- DHM-117 (Udaipur); BSR:- DH-1107 (Dhaulakuan); Cyst Nematode:- Pratap Hybrid Maize-3 (Udaipur)

Sus. Check:- SDM:- CM 500 (Mandya); RDM:- Surya (Udaipur); BSR:- CM 600 (Dhaulakuan, Pantnagar); Cyst Nematode:- Pratap Makka-3 (Udaipur)

Local Check:- BSR:- Early Composite (Dhaulakuan); PSM-3 (Pantnagar); Cyst Nematode:- Pratap Makka-9 (Udaipur)

Table 10. Screening of specialty (QPM-I-II-III) maize hybrids

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ					NEPZ			
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
1	IIMRQPMH 1711	1.0	7.5	3.5	4.0	MR	4.5	8.3	6.4	MS
2	DQH 111	1.0	9.0	3.0	4.3	MR	7.0	8.5	7.8	S
3	BQPMH 16	1.0	6.0	3.0	3.3	MR	4.0	8.3	6.2	MS
4	IIMRQPMH 1704	1.0	6.0	3.5	3.5	MR	6.5	8.1	7.3	S
5	IIMRQPMH 1609	1.0	8.0	3.5	4.2	MR	8.0	8.3	8.2	S
6	APQH-5	3.0	6.5	3.5	4.3	MR	7.0	8.8	7.9	S
7	LQPMH 415	2.0	5.5	3.0	3.5	MR	5.5	8.6	7.1	MS
8	IIMRQPMH 1508	2.0	7.5	3.5	4.3	MR	6.0	8.1	7.1	MS
9	IIMRQPMH 1708	1.0	9.0	3.0	4.3	MR	5.0	8.2	6.6	MS
10	IIMRQPMH 1701	1.0	8.0	3.5	4.2	MR	6.0	8.2	7.1	MS
11	VEQH-16-1	2.0	7.0	3.5	4.2	MR	5.5	8.2	6.9	MS
12	IIMRQPMH 1712	1.0	9.0	3.0	4.3	MR	6.5	7.8	7.2	S
13	APH-1	1.0	9.0	3.0	4.3	MR	7.5	8.4	8.0	S
14	APQH-7	1.0	9.0	2.5	4.2	MR	5.5	8.0	6.8	MS
15	EHQ 64	4.0	8.0	2.0	4.7	MR	6.0	8.0	7.0	MS
16	IIMRQPMH 1710	2.0	5.5	3.5	3.7	MR	7.5	8.5	8.0	S
17	QPM MH 27	1.0	7.5	2.0	3.5	MR	7.5	8.6	8.1	S
18	IIMRQPMH 1602	4.0	8.0	3.0	5.0	MR	7.0	8.0	7.5	S
19	IIMRQPMH 1603	1.0	9.0	4.0	4.7	MR	7.0	8.1	7.6	S
20	IIMRQPMH 1705	4.0	7.5	3.0	4.8	MR	4.5	8.1	6.3	MS
21	DQH 112	2.0	7.5	3.0	4.2	MR	6.5	8.3	7.4	S
22	OQPMH-14191	2.0	7.0	3.5	4.2	MR	7.5	8.4	8.0	S
23	IIMRQPMH 1702	3.0	8.0	4.0	5.0	MR	8.0	8.4	8.2	S
24	QPM MH 30	1.0	5.5	3.0	3.2	MR	5.0	8.4	6.7	MS

Contd.

Table 10.

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ					NEPZ			
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
25	IIMRQPMH 1608	1.0	9.0	2.5	4.2	MR	4.5	8.5	6.5	MS
26	IIMRQPMH 1610	1.0	6.5	3.5	3.7	MR	7.0	8.3	7.7	S
27	IIMRQPMH 1706	1.0	7.0	4.5	4.2	MR	6.5	8.7	7.6	S
28	FQH 106	2.0	8.0	3.5	4.5	MR	5.5	8.3	6.9	MS
29	IIMRQPMH 1703	2.0	7.5	4.5	4.7	MR	7.5	8.3	7.9	S
30	IIMRQPMH 1605	2.0	8.5	4.5	5.0	MR	6.5	7.9	7.2	S
31	IIMRQPMH 1713	1.0	8.0	4.0	4.3	MR	7.5	8.4	8.0	S
32	OPQMH 15-1	1.0	9.0	3.0	4.3	MR	7.5	8.0	7.8	S
33	IIMRQPMH 1601	2.0	6.5	3.0	3.8	MR	5.5	8.1	6.8	MS
34	IIMRQPMH 1709	1.0	8.5	4.0	4.5	MR	5.5	8.1	6.8	MS
35	IMHQPM 1530	1.0	7.0	3.5	3.8	MR	5.5	8.4	7.0	MS
36	IIMRQPMH 1707	1.0	8.5	3.0	4.2	MR	7.0	8.3	7.7	S
37	IIMRQPMH 1606	2.0	7.5	3.5	4.3	MR	6.5	8.3	7.4	S
38	APH 27	1.0	8.5	3.0	4.2	MR	7.0	8.2	7.6	S
39	Vivek QPM 9 (C)	2.0	9.0	3.0	4.7	MR	7.5	7.8	7.7	S
40	HQPM 1 (C)	1.0	7.0	4.0	4.0	MR	5.5	8.2	6.9	MS
41	HQPM 4 (C)	2.0	6.5	4.0	4.2	MR	6.5	8.0	7.3	S
42	HQPM 5 (C)	1.0	7.0	3.5	3.8	MR	6.0	8.2	7.1	MS
43	HQPM 7 (C)	2.0	7.0	3.5	4.2	MR	4.5	8.5	6.5	MS
44	Vivek Hybrid 27-(C)	3.0	9.0	3.5	5.2	MS	5.0	8.3	6.7	MS
45	APQH-9-C	1.0	7.5	3.0	3.8	MR	5.0	8.2	6.6	MS
	Res. Check	-	-	2.0	2.0	R	-	-	-	-
	Sus. Check	8.0	8.5	4.0	6.8	MS	8.4	9.0	8.7	S
	Local Check	-	-	5.7	5.7	MS	-	-	-	-

Contd.

Res. Check:- MLB:- LET DR (Ludhiana)

Sus. Check:- MLB:- CM 600 (Delhi, Karnal, Kalyani); CM 501 (Ludhiana); CML 186 (Dholi)

Local Check:- MLB:- CM 140 (Ludhiana)

Table 10.

S. No.	Genotype	Turcicum leaf blight (1-9)								
		NHZ					PZ			
		ALMO	BAJA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
1	IIMRQPMH 1711	5.0	3.0	3.5	3.8	MR	4.5	2.0	3.3	MR
2	DQH 111	6.0	3.0	4.5	4.5	MR	5.8	3.0	4.4	MR
3	BQPMH 16	5.5	4.5	4.5	4.8	MR	4.5	3.5	4.0	MR
4	IIMRQPMH 1704	2.5	3.0	2.5	2.7	R	4.3	1.0	2.6	R
5	IIMRQPMH 1609	4.0	3.0	2.5	3.2	MR	4.3	1.5	2.9	R
6	APQH-5	4.0	3.0	3.0	3.3	MR	6.0	1.5	3.8	MR
7	LQPMH 415	6.0	3.0	6.0	5.0	MR	4.8	5.0	4.9	MR
8	IIMRQPMH 1508	3.5	3.0	3.0	3.2	MR	6.0	1.5	3.8	MR
9	IIMRQPMH 1708	5.0	3.0	2.5	3.5	MR	5.3	1.0	3.1	R
10	IIMRQPMH 1701	4.0	2.5	2.0	2.8	R	7.3	1.5	4.4	MR
11	VEQH-16-1	5.5	3.5	4.0	4.3	MR	6.5	3.5	5.0	MR
12	IIMRQPMH 1712	5.0	3.0	3.0	3.7	MR	4.0	2.0	3.0	R
13	APH-1	4.0	2.5	2.5	3.0	R	3.0	1.5	2.3	R
14	APQH-7	4.0	2.5	1.5	2.7	R	3.0	1.5	2.3	R
15	EHQ 64	4.5	2.0	3.5	3.3	MR	4.8	1.0	2.9	R
16	IIMRQPMH 1710	4.5	2.5	3.5	3.5	MR	3.5	1.5	2.5	R
17	QPM MH 27	3.0	3.0	2.5	2.8	R	6.5	1.0	3.8	MR
18	IIMRQPMH 1602	3.0	2.5	2.5	2.7	R	2.8	1.5	2.1	R
19	IIMRQPMH 1603	5.0	3.5	3.5	4.0	MR	3.5	1.0	2.3	R
20	IIMRQPMH 1705	3.0	4.5	3.5	3.7	MR	5.8	2.0	3.9	MR
21	DQH 112	4.0	3.0	3.0	3.3	MR	5.3	2.0	3.6	MR
22	OQPMH-14191	4.0	3.0	4.0	3.7	MR	4.5	2.5	3.5	MR
23	IIMRQPMH 1702	2.5	3.5	4.5	3.5	MR	6.0	4.5	5.3	MS
24	QPM MH 30	3.0	3.0	2.0	2.7	R	5.3	1.0	3.1	R

Contd.

Table 10.

S. No.	Genotype	Turcicum leaf blight (1-9)								
		NHZ					PZ			
		ALMO	BAJA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
25	IIMRQPMH 1608	5.0	3.5	4.0	4.2	MR	4.8	1.0	2.9	R
26	IIMRQPMH 1610	6.0	5.0	5.5	5.5	MS	5.0	4.0	4.5	MR
27	IIMRQPMH 1706	4.0	2.5	2.0	2.8	R	4.0	1.0	2.5	R
28	FQH 106	3.0	2.0	3.5	2.8	R	9.0	1.0	5.0	MR
29	IIMRQPMH 1703	6.0	3.0	5.5	4.8	MR	5.0	5.5	5.3	MS
30	IIMRQPMH 1605	3.0	3.0	3.0	3.0	R	4.5	1.0	2.8	R
31	IIMRQPMH 1713	5.0	3.5	3.5	4.0	MR	6.0	2.5	4.3	MR
32	OPQMH 15-1	3.0	2.5	3.0	2.8	R	3.8	1.0	2.4	R
33	IIMRQPMH 1601	4.0	3.5	2.5	3.3	MR	5.3	1.5	3.4	MR
34	IIMRQPMH 1709	4.0	2.0	2.5	2.8	R	4.8	1.5	3.1	R
35	IMHQPM 1530	4.0	3.0	5.0	4.0	MR	6.5	1.5	4.0	MR
36	IIMRQPMH 1707	5.0	3.0	2.5	3.5	MR	3.5	1.0	2.3	R
37	IIMRQPMH 1606	5.0	3.0	1.0	3.0	R	4.5	1.0	2.8	R
38	APH 27	3.0	2.5	2.5	2.7	R	5.0	1.5	3.3	MR
39	Vivek QPM 9 (C)	4.0	4.0	4.0	4.0	MR	6.3	3.0	4.6	MR
40	HQPM 1 (C)	3.0	3.0	4.0	3.3	MR	3.8	1.0	2.4	R
41	HQPM 4 (C)	3.0	2.5	2.0	2.5	R	4.3	1.0	2.6	R
42	HQPM 5 (C)	5.0	2.5	3.5	3.7	MR	6.3	1.0	3.6	MR
43	HQPM 7 (C)	5.0	2.5	2.0	3.2	MR	4.5	2.0	3.3	MR
44	Vivek Hybrid 27-(C)	6.0	3.0	4.0	4.3	MR	5.5	3.0	4.3	MR
45	APQH-9-C	3.0	2.5	3.0	2.8	R	3.8	1.5	2.6	R
	Res. Check	2.0	-	-	2.0	R	4.0	1.5	2.8	R
	Sus. Check	8.0	7.9	7	7.6	S	9.0	7.5	8.3	S
	Local Check	-	-	-	-	-	-	-	-	-

Contd.

Res Check:- TLB:- VB-343 (Almora); CI 4 (Dharwad); NAH 1137 (Mandya)

Sus. Check:- TLB:- Jonsar local (Almora); NB-266 (Bajaura); Local check (Larnoo); CM 202 (Dharwad, Mandya)

Table 10.

S. No. Genotype	Banded leaf and sheath blight (1-9)							CLS (1-9)	
	NHZ		NWPZ					CWZ	
	DHAU	Reaction	DELH	KARN	PANT	Av. Score	Reaction	UDAI	Reaction
1 IIMRQPMH 1711	3.5	MR	3.0	8.0	6.0	5.7	MS	2.5	R
2 DQH 111	4.5	MR	4.0	7.0	9.0	6.7	MS	4.0	MR
3 BQPMH 16	4.5	MR	3.0	6.5	9.0	6.2	MS	3.5	MR
4 IIMRQPMH 1704	4.5	MR	5.0	7.5	6.0	6.2	MS	1.5	R
5 IIMRQPMH 1609	4.5	MR	3.0	5.5	8.5	5.7	MS	2.0	R
6 APQH-5	5.0	MR	3.0	7.5	9.0	6.5	MS	4.0	MR
7 LQPMH 415	4.0	MR	2.0	8.0	8.5	6.2	MS	3.0	R
8 IIMRQPMH 1508	3.0	R	3.0	5.5	8.5	5.7	MS	3.5	MR
9 IIMRQPMH 1708	3.0	R	7.0	5.5	6.5	6.3	MS	3.5	MR
10 IIMRQPMH 1701	4.5	MR	5.0	6.5	8.5	6.7	MS	3.0	R
11 VEQH-16-1	3.5	MR	6.0	7.0	9.0	7.3	S	2.0	R
12 IIMRQPMH 1712	5.0	MR	6.0	6.5	8.5	7.0	MS	3.0	R
13 APH-1	4.0	MR	4.0	9.0	8.5	7.2	S	2.5	R
14 APQH-7	2.5	R	6.0	6.5	9.0	7.2	S	3.0	R
15 EHQ 64	4.5	MR	2.0	9.0	8.5	6.5	MS	4.0	MR
16 IIMRQPMH 1710	2.5	R	4.0	6.0	8.0	6.0	MS	2.5	R
17 QPM MH 27	4.0	MR	6.0	5.5	8.5	6.7	MS	2.5	R
18 IIMRQPMH 1602	4.0	MR	4.0	6.0	8.5	6.2	MS	2.5	R
19 IIMRQPMH 1603	3.5	MR	1.0	6.5	6.0	4.5	MR	1.5	R
20 IIMRQPMH 1705	4.5	MR	7.0	9.0	8.5	8.2	S	3.5	MR
21 DQH 112	4.5	MR	2.0	6.0	8.5	5.5	MS	5.0	MR
22 OQPMH-14191	4.5	MR	2.0	8.0	8.5	6.2	MS	4.0	MR
23 IIMRQPMH 1702	4.5	MR	2.0	6.5	8.5	5.7	MS	3.0	R
24 QPM MH 30	4.5	MR	4.0	6.5	9.0	6.5	MS	2.5	R

Contd.

Table 10.

S. No. Genotype	Banded leaf and sheath blight (1-9)							CLS (1-9)	
	NHZ		NWPZ					CWZ	
	DHAU	Reaction	DELH	KARN	PANT	Av. Score	Reaction	UDAI	Reaction
25 IIMRQPMH 1608	5.0	MR	4.0	9.0	8.5	7.2	S	1.5	R
26 IIMRQPMH 1610	3.5	MR	2.0	7.0	9.0	6.0	MS	2.0	R
27 IIMRQPMH 1706	3.5	MR	2.0	7.0	8.0	5.7	MS	2.5	R
28 FQH 106	4.5	MR	2.0	9.0	9.0	6.7	MS	3.5	MR
29 IIMRQPMH 1703	3.0	R	3.0	7.0	9.0	6.3	MS	1.5	R
30 IIMRQPMH 1605	3.5	MR	4.0	7.0	9.0	6.7	MS	3.5	MR
31 IIMRQPMH 1713	4.0	MR	2.0	5.0	8.5	5.2	MS	5.5	MS
32 OPQMH 15-1	6.0	MS	2.0	9.0	8.5	6.5	MS	4.5	MR
33 IIMRQPMH 1601	4.0	MR	3.0	7.5	8.5	6.3	MS	4.0	MR
34 IIMRQPMH 1709	4.0	MR	4.0	8.0	8.5	6.8	MS	2.0	R
35 IMHQPM 1530	4.0	MR	7.0	7.0	6.5	6.8	MS	3.0	R
36 IIMRQPMH 1707	3.5	MR	5.0	7.0	8.0	6.7	MS	2.0	R
37 IIMRQPMH 1606	2.5	R	2.0	8.5	8.5	6.3	MS	2.0	R
38 APH 27	3.5	MR	4.0	5.5	8.5	6.0	MS	2.0	R
39 Vivek QPM 9 (C)	2.0	R	8.0	8.0	9.0	8.3	S	2.5	R
40 HQPM 1 (C)	3.5	MR	4.0	8.5	9.0	7.2	S	3.0	R
41 HQPM 4 (C)	5.0	MR	2.0	4.5	6.0	4.2	MR	2.0	R
42 HQPM 5 (C)	3.0	R	3.0	6.0	8.5	5.8	MS	2.5	R
43 HQPM 7 (C)	2.0	R	2.0	4.5	8.5	5.0	MR	2.0	R
44 Vivek Hybrid 27-(C)	3.0	R	3.0	7.5	8.0	6.2	MS	3.0	R
45 APQH-9-C	3.0	R	2.0	8.0	8.0	6.0	MS	2.5	R
Res. Check	2.0	R	-	-	-	-	-	1.8	R
Sus. Check	6.5	MS	9.0	7.5	9.0	8.5	S	6.8	MS
Local Check	5.0	MR	-	-	9.0	9.0	S	-	-

Contd.

Res. Check:- BLSB:- DH 1107 (Dhaulakuan); CLS:- DHM 117 (Udaipur)

Sus. Check:- BLSB:- CM 600 (Dhaulakuan, Karnal, Pantnagar); CM 501 (Delhi); CLS:- Surya (Udaipur)

Local Check:- BLSB:- Early Composite (Dhaulakuan); PSM 3 (Pantnagar)

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Table 10.

S. No.	Genotype	Charcoal rot (1-9)					C. Rust (1-9)		P. Rust (1-9)		
		NWPZ		PZ			PZ		PZ		
		LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
1	IIMRQPMH 1711	4.1	MR	2.4	3.2	2.8	R	3.8	MR	2.0	R
2	DQH 111	5.6	MS	2.4	4.8	3.6	MR	5.3	MS	2.0	R
3	BQPMH 16	5.9	MS	3.5	5.8	4.6	MR	6.3	S	2.0	R
4	IIMRQPMH 1704	4.8	MR	2.8	3.2	3.0	R	4.8	MS	2.5	MR
5	IIMRQPMH 1609	4.4	MR	1.6	5.3	3.4	MR	3.8	MR	2.0	R
6	APQH-5	5.8	MS	3.7	3.6	3.6	MR	4.0	MR	2.5	MR
7	LQPMH 415	5.3	MS	2.3	5.5	3.9	MR	4.8	MS	1.5	R
8	IIMRQPMH 1508	5.0	MR	3.0	2.6	2.8	R	3.8	MR	2.0	R
9	IIMRQPMH 1708	4.9	MR	2.7	4.4	3.6	MR	6.0	MS	2.5	MR
10	IIMRQPMH 1701	5.6	MS	1.9	5.6	3.8	MR	6.5	S	2.5	MR
11	VEQH-16-1	7.3	S	3.0	5.3	4.1	MR	4.5	MS	1.5	R
12	IIMRQPMH 1712	5.8	MS	2.4	2.8	2.6	R	3.0	MR	2.0	R
13	APH-1	4.3	MR	3.2	5.6	4.4	MR	5.0	MS	2.0	R
14	APQH-7	5.8	MS	2.1	4.3	3.2	MR	2.8	MR	1.5	R
15	EHQ 64	3.7	MR	5.0	5.0	5.0	MR	6.0	MS	4.5	MS
16	IIMRQPMH 1710	3.9	MR	1.7	3.7	2.7	R	5.3	MS	2.0	R
17	QPM MH 27	4.5	MR	3.0	3.7	3.3	MR	4.5	MS	3.5	MR
18	IIMRQPMH 1602	5.2	MS	2.5	4.3	3.4	MR	4.5	MS	2.0	R
19	IIMRQPMH 1603	3.3	MR	1.6	4.2	2.9	R	8.5	S	3.5	MR
20	IIMRQPMH 1705	5.5	MS	2.9	3.4	3.1	R	4.5	MS	2.5	MR
21	DQH 112	6.0	MS	2.8	4.5	3.6	MR	6.5	S	1.5	R
22	OQPMH-14191	4.6	MR	3.3	2.3	2.8	R	3.8	MR	1.5	R
23	IIMRQPMH 1702	4.8	MR	2.9	6.4	4.7	MR	5.5	MS	1.0	HR
24	QPM MH 30	5.2	MS	2.5	4.9	3.7	MR	5.3	MS	1.5	R

Contd.

Table 10.

S. No.	Genotype	Charcoal rot (1-9)						C. Rust (1-9)		P. Rust (1-9)	
		NWPZ		PZ				PZ		PZ	
		LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction	MAND	Reaction
25	IIMRQPMH 1608	5.7	MS	2.5	5.8	4.2	MR	4.5	MS	3.5	MR
26	IIMRQPMH 1610	7.0	MS	4.6	5.1	4.8	MR	6.0	MS	1.5	R
27	IIMRQPMH 1706	5.0	MR	3.1	4.9	4.0	MR	6.0	MS	2.5	MR
28	FQH 106	5.2	MS	2.8	6.0	4.4	MR	5.5	MS	5.0	MS
29	IIMRQPMH 1703	5.6	MS	4.3	5.0	4.6	MR	3.5	MR	2.0	R
30	IIMRQPMH 1605	4.6	MR	2.4	3.1	2.7	R	5.3	MS	2.0	R
31	IIMRQPMH 1713	6.3	MS	4.8	3.5	4.1	MR	6.5	S	2.0	R
32	OPQMH 15-1	4.9	MR	2.7	3.5	3.1	R	4.5	MS	3.0	MR
33	IIMRQPMH 1601	6.2	MS	3.2	5.4	4.3	MR	5.5	MS	1.5	R
34	IIMRQPMH 1709	3.0	R	3.4	4.5	3.9	MR	5.0	MS	2.0	R
35	IMHQPM 1530	5.3	MS	3.7	3.0	3.3	MR	4.3	MS	2.5	MR
36	IIMRQPMH 1707	3.7	MR	3.2	5.3	4.2	MR	2.8	MR	1.5	R
37	IIMRQPMH 1606	4.6	MR	3.6	3.3	3.4	MR	5.8	MS	3.5	MR
38	APH 27	6.7	MS	1.8	5.5	3.7	MR	4.8	MS	1.5	R
39	Vivek QPM 9 (C)	4.9	MR	2.7	5.7	4.2	MR	5.5	MS	3.5	MR
40	HQPM 1 (C)	4.5	MR	3.5	4.9	4.2	MR	4.0	MR	2.5	MR
41	HQPM 4 (C)	5.0	MR	2.4	4.5	3.4	MR	2.8	MR	1.5	R
42	HQPM 5 (C)	5.0	MR	1.6	4.6	3.1	R	6.0	MS	1.5	R
43	HQPM 7 (C)	4.2	MR	2.8	4.3	3.5	MR	5.0	MS	2.0	R
44	Vivek Hybrid 27-(C)	8.1	S	4.8	7.3	6.1	MS	4.8	MS	1.5	R
45	APQH-9-C	3.8	MR	2.8	2.9	2.9	R	5.3	MS	1.5	R
	Res. Check	3.3	MR	1.1	2.9	2.0	R	4.0	MR	2.3	MR
	Sus. Check	5.9	MS	7.9	7.2	7.6	S	8.0	S	6.3	S
	Local Check	6.1	MS	-	6.7	6.7	MS	-	-	-	-

Contd.

Res. Check:- C.Rot:- LET DR (Ludhiana); CoH6 (Coimbatore); JCY2-7 (Hyderabad); C.Rust:- CI 4 (Dharwad); P.Rust:- NAH 1137 (Mandya)

Sus. Check:- C.Rot:- CM 501 (Ludhiana, Hyderabad); CM 600 (Coimbatore); C.Rust:- CM 202 (Dharwad); P.Rust:- CM 202 (Mandya)

Local Check:- C.Rot:- CM 140 (Ludhiana); BML-6 (Hyderabad)

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Table 10.

S. No. Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode		
	PZ		CWZ		NHZ		NWPZ		CWZ		
	MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction	
Range cyst/ plant N=5											
1	IIMRQPMH 1711	100	S	37	MS	22	MR	33	MS	31--38	S
2	DQH 111	100	S	19	MR	10	R	35	MS	30--42	S
3	BQPMH 16	100	S	24	MR	24	MR	32	MS	13--22	S
4	IIMRQPMH 1704	100	S	19	MR	17	MR	51	S	25--29	S
5	IIMRQPMH 1609	100	S	19	MR	49	MS	65	S	17--21	S
6	APQH-5	100	S	12	MR	40	MS	30	MS	12--23	S
7	LQPMH 415	100	S	26	MS	40	MS	30	MS	33--40	S
8	IIMRQPMH 1508	100	S	14	MR	21	MR	49	MS	4--9	MR
9	IIMRQPMH 1708	100	S	15	MR	15	MR	20	MR	11--15	S
10	IIMRQPMH 1701	100	S	22	MR	16	MR	52	S	32--41	S
11	VEQH-16-1	100	S	15	MR	12	MR	43	MS	22--31	S
12	IIMRQPMH 1712	100	S	25	MR	48	MS	12	MR	9--18	S
13	APH-1	100	S	21	MR	18	MR	13	MR	10--21	S
14	APQH-7	100	S	10	R	14	MR	32	MS	3--7	MR
15	EHQ 64	100	S	0	R	26	MS	58	S	19--26	S
16	IIMRQPMH 1710	100	S	32	MS	25	MR	49	MS	18--25	S
17	QPM MH 27	100	S	16	MR	17	MR	60	S	27--38	S
18	IIMRQPMH 1602	100	S	5	R	22	MR	7	R	3--6	MR
19	IIMRQPMH 1603	91	S	9	R	19	MR	45	MS	13--18	S
20	IIMRQPMH 1705	100	S	13	MR	13	MR	9	R	17--24	S
21	DQH 112	92	S	21	MR	30	MS	37	MS	14--22	S
22	OQPMH-14191	100	S	12	MR	27	MS	7	R	29--38	S
23	IIMRQPMH 1702	100	S	14	MR	37	MS	31	MS	18--23	S
24	QPM MH 30	100	S	19	MR	53	S	37	MS	30--39	S

Contd.

Table 10.

S. No. Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode	
	PZ		CWZ		NHZ		NWPZ		CWZ	
	MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction
25 IIMRQPMH 1608	100	S	24	MR	29	MS	27	MS	11--16	S
26 IIMRQPMH 1610	100	S	11	MR	26	MS	64	S	16--25	S
27 IIMRQPMH 1706	100	S	13	MR	45	MS	33	MS	16--21	S
28 FQH 106	100	S	9	R	24	MR	82	S	28--37	S
29 IIMRQPMH 1703	100	S	35	MS	18	MR	31	MS	16--21	S
30 IIMRQPMH 1605	100	S	17	MR	34	MS	48	MS	18--27	S
31 IIMRQPMH 1713	100	S	21	MR	23	MR	72	S	10--17	S
32 OPQMH 15-1	100	S	11	MR	18	MR	21	MR	36--48	S
33 IIMRQPMH 1601	100	S	20	MR	16	MR	15	MR	12--20	S
34 IIMRQPMH 1709	100	S	7	R	29	MS	54	S	11--22	S
35 IMHQPM 1530	100	S	5	R	34	MS	15	MR	8--17	S
36 IIMRQPMH 1707	100	S	10	R	30	MS	22	MR	16--26	S
37 IIMRQPMH 1606	100	S	15	MR	12	MR	23	MR	26--35	S
38 APH 27	96	S	19	MR	20	MR	85	S	13--18	S
39 Vivek QPM 9 (C)	70	S	30	MS	29	MS	33	MS	15--23	S
40 HQPM 1 (C)	96	S	15	MR	23	MR	33	MS	24--32	S
41 HQPM 4 (C)	100	S	15	MR	10	R	52	S	25--33	S
42 HQPM 5 (C)	100	S	15	MR	38	MS	74	S	16--24	S
43 HQPM 7 (C)	100	S	9	R	19	MR	60	S	31--39	S
44 Vivek Hybrid 27-(C)	100	S	8	R	42	MS	44	MS	26--37	S
45 APQH-9-C	100	S	19	MR	38	MS	31	MS	13--19	S
Res. Check	11	MR	17	MR	11	MR	-	-	4--8	MR
Sus. Check	95	S	69	S	38	MS	60	S	34--44	S
Local Check	-	-	-	-	43	MS	86	S	9--14	S

Res. Check:- SDM:- NAH-1137 (Mandya); RDM:- DHM-117 (Udaipur); BSR:- DH-1107 (Dhaulakuan); Cyst Nematode:- Pratap Hybrid Maize-3 (Udaipur)

Sus. Check:- SDM:- CM 500 (Mandya); RDM:- Surya (Udaipur); BSR:- CM 600 (Dhaulakuan, Pantnagar); Cyst Nematode:- Pratap Makka-3 (Udaipur)

Local Check:- BSR:- Early Composite (Dhaulakuan); PSM-3 (Pantnagar); Cyst Nematode:- Pratap Makka-9 (Udaipur)

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Table 11. Screening of AVT-I (Rainfed) maize hybrids

S. No.	Genotype	Maydis leaf blight (1-9)								
		NWPZ					NEPZ			
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	KALY	Av. Score	Reaction
1	GK 3206	1.0	5.0	2.0	2.7	R	4.0	8.6	6.3	MS
2	RCRMH-4(CAH1525)	3.0	5.0	3.5	3.8	MR	6.5	8.0	7.3	S
3	IMH1618	2.0	4.0	3.0	3.0	R	4.0	8.5	6.3	MS
4	IMH 1533	4.0	5.5	4.0	4.5	MR	7.0	8.1	7.6	S
5	OMH14-27	4.0	4.5	2.5	3.7	MR	5.0	8.2	6.6	MS
6	CMH 08-292 (C)	3.0	4.5	2.0	3.2	MR	5.0	8.2	6.6	MS
7	BIO 9544 (C)	3.0	5.0	2.0	3.3	MR	5.5	8.6	7.1	MS
8	DHM 121 (C)	NG	1.0	NG	1.0	R	NG	8.5	8.5	S
9	BIO 9682 (C)	1.0	4.0	2.0	2.3	R	4.5	8.6	6.6	MS
10	CMH 08-287 (C)	1.0	4.5	3.0	2.8	R	7.0	8.4	7.7	S
11	CMH 08-282 (C)	1.0	4.0	2.0	2.3	R	3.0	8.3	5.7	MS
	Res. Check	-	-	2.5	2.5	R	-	-	-	-
	Sus. Check	8.0	7.5	5.0	6.8	MS	9.0	8.8	8.9	S
	Local Check	-	-	6.0	6.0	MS	-	-	-	-

Contd.

Res. Check:- MLB:- LET DR (Ludhiana)

Sus. Check:- MLB:- CM 600 (Delhi, Karnal, Kalyani); CM 501 (Ludhiana); CML 186 (Dholi)

Local Check:- MLB:- CM 140 (Ludhiana)

Table 11.

S. No.	Genotype	Turcicum leaf blight (1-9)								
		NHZ					PZ			
		ALMO	BARA	LARN	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
1	GK 3206	3.5	2.2	1.5	2.4	R	5.8	1.5	3.6	MR
2	RCRMH-4(CAH1525)	1.0	4.1	2.5	2.5	R	7.0	1.0	4.0	MR
3	IMH1618	2.0	2.1	2.0	2.0	R	5.5	1.0	3.3	MR
4	IMH 1533	3.0	5.6	2.0	3.5	MR	8.0	1.5	4.8	MR
5	OMH14-27	2.5	2.8	1.5	2.3	R	6.0	1.0	3.5	MR
6	CMH 08-292 (C)	1.5	2.5	2.0	2.0	R	5.8	1.0	3.4	MR
7	BIO 9544 (C)	2.0	4.6	2.0	2.9	R	4.3	1.0	2.6	R
8	DHM 121 (C)	NG	NG	2.0	2.0	R	NG	NG	-	-
9	BIO 9682 (C)	1.0	2.3	2.0	1.8	R	7.0	1.0	4.0	MR
10	CMH 08-287 (C)	2.5	2.9	2.0	2.5	R	6.0	1.0	3.5	MR
11	CMH 08-282 (C)	2.0	2.2	2.0	2.1	R	6.0	1.5	3.8	MR
	Res. Check	2.0	-	-	2.0	R	4.0	2.0	3.0	R
	Sus. Check	8.0	6.6	6.0	6.9	MS	9.0	6.0	7.5	S
	Local Check	-	-	-	-	-	-	-	-	-

Contd.

Res Check:- TLB:- VB-343 (Almora); CI 4 (Dharwad); NAH 1137 (Mandya)

Sus. Check:- TLB:- Jonsar local (Almora); Local check (Barapani, Larnoo); CM 202 (Dharwad, Mandya)

Table 11.

S. No.	Genotype	Banded leaf and sheath blight (1-9)						CLS (1-9)		
		NHZ		NWPZ				CWZ		
		DHAU	Reaction	DELH	KARN*	PANT	Av. Score	Reaction	UDAI	Reaction
1	GK 3206	3.5	MR	2.0	2.5	7.0	4.5	MR	2.0	R
2	RCRMH-4(CAH1525)	3.0	R	6.0	4.0	6.5	6.3	MS	3.5	MR
3	IMH1618	2.0	R	5.0	3.0	7.5	6.3	MS	2.0	R
4	IMH 1533	3.0	R	5.0	3.0	8.0	6.5	MS	2.0	R
5	OMH14-27	1.5	R	4.0	2.5	8.0	6.0	MS	1.5	R
6	CMH 08-292 (C)	3.5	MR	7.0	2.5	8.0	7.5	S	3.0	R
7	BIO 9544 (C)	1.5	R	4.0	2.5	8.0	6.0	MS	2.5	R
8	DHM 121 (C)	0.0	R	NG	1.0	NG	-	-	4.5	MR
9	BIO 9682 (C)	1.5	R	2.0	1.5	7.5	4.8	MR	2.5	R
10	CMH 08-287 (C)	2.0	R	3.0	1.5	7.5	5.3	MS	2.5	R
11	CMH 08-282 (C)	2.0	R	2.0	4.5	6.5	4.3	MR	3.0	R
	Res. Check	1.5	R	-	-	-	-	-	3.3	MR
	Sus. Check	6.0	MS	9.0	4.5	9.0	9.0	S	6.3	MS
	Local Check	6.0	MS	-	-	9.0	9.0	S	-	-

*Data is not considered due to low disease pressure

Contd.

Res. Check:- BLSB:- DH 1107 (Dhaulakuan); **CLS:-** DHM 117 (Udaipur)

Sus. Check:- BLSB:- CM 600 (Dhaulakuan, Karnal, Pantnagar); CM 501 (Delhi); **CLS:-** Surya (Udaipur)

Local Check:- BLSB:- Early Compsite (Dhaulakuan); PSM 3 (Pantnagar)

Table 11.

S. No. Genotype	Charcoal rot (1-9)						C. Rust (1-9)	
	NWPZ		PZ				PZ	
	LUDH	Reaction	COIM	HYDE	Av. Score	Reaction	DHAR	Reaction
1 GK 3206	3.4	MR	2.2	5.1	3.6	MR	3.0	MR
2 RCRMH-4(CAH1525)	3.5	MR	2.2	3.2	2.7	R	5.0	MS
3 IMH1618	5.7	MS	3.7	4.5	4.1	MR	8.5	S
4 IMH 1533	5.8	MS	2.8	5.6	4.2	MR	3.0	MR
5 OMH14-27	4.7	MR	3.4	4.2	3.8	MR	7.5	S
6 CMH 08-292 (C)	3.9	MR	3.7	6.2	4.9	MR	2.3	MR
7 BIO 9544 (C)	5.6	MS	2.9	4.4	3.6	MR	5.5	MS
8 DHM 121 (C)	NG	-	3.3	4.7	4.0	MR	NG	-
9 BIO 9682 (C)	4.0	MR	3.1	2.2	2.7	R	5.0	MS
10 CMH 08-287 (C)	4.2	MR	3.3	3.9	3.6	MR	4.3	MS
11 CMH 08-282 (C)	5.0	MR	1.9	3.6	2.7	R	3.3	MR
Res. Check	3.2	MR	1.1	2.9	2.0	R	4.0	MR
Sus. Check	5.5	MS	7.1	7.2	7.2	S	8.0	S
Local Check	8.5	S	-	6.7	6.7	MS	-	-

Contd.

Res. Check:- C.Rot:- LET DR (Ludhiana); CoH6 (Coimbatore); JCY2-7 (Hyderabad); **C.Rust:-** CI 4 (Dharwad)

Sus. Check:- C.Rot:- CM 501 (Ludhiana, Hyderabad); CM 600 (Coimbatore); **C.Rust:-** CM 202 (Dharwad)

Local Check:- C.Rot:- CM 140 (Ludhiana); BML-6 (Hyderabad)

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Table 11.

S. No.	Genotype	SDM (%)		RDM (%)		BSR (%)				Cyst Nematode	
		PZ		CWZ		NHZ		NWPZ		CWZ	
		MAND	Reaction	UDAI	Reaction	DHAU	Reaction	PANT	Reaction	UDAI	Reaction
Range cyst/ plant N=5											
1	GK 3206	27	MS	9	R	27	MS	44	MS	15--22	S
2	RCRMH-4(CAH1525)	86	S	6	R	15	MR	17	MR	16--23	S
3	IMH1618	75	S	4	R	21	MR	73	S	16--28	S
4	IMH 1533	100	S	10	R	24	MR	26	MS	17--26	S
5	OMH14-27	70	S	0	R	19	MR	8	R	10--15	S
6	CMH 08-292 (C)	26	MS	13	MR	10	R	65	S	3--8	MR
7	BIO 9544 (C)	14	MR	20	MR	30	MS	28	MS	19--27	S
8	DHM 121 (C)	50	MS	75	S	NG	-	NG	-	NG	-
9	BIO 9682 (C)	6	R	53	S	2	R	15	MR	12--17	S
10	CMH 08-287 (C)	19	MR	10	R	20	MR	18	MR	28--37	S
11	CMH 08-282 (C)	51	S	4	R	12	MR	27	MS	12--17	S
	Res. Check	0	R	19	MR	10	R	-	-	3--7	MR
	Sus. Check	94	S	60	S	57	S	31	MS	27--33	S
	Local Check	-	-	-	-	46	MS	70	S	12--18	S

Res. Check:- SDM:- NAH-1137 (Mandya); RDM:- DHM-117 (Udaipur); BSR:- DH-1107 (Dhaulakuan); Cyst Nematode:- Pratap Hybrid Maize-3 (Udaipur)

Sus. Check:- SDM:- CM 500 (Mandya); RDM:- Surya (Udaipur); BSR:- CM 600 (Dhaulakuan, Pantnagar); Cyst Nematode:- Pratap Makka-3 (Udaipur)

Local Check:- BSR:- Early Composite (Dhaulakuan); PSM-3 (Pantnagar); Cyst Nematode:- Pratap Makka-9 (Udaipur)

Table 12. Screening of Association Mapping Panel against major diseases of maize

S. No. Inbred lines	Turcicum leaf blight (1-9)						Charcoal rot (1-9)				C. Rust (1-9)		P. Rust (1-9)		
	NHZ		PZ				NWPZ		PZ		PZ		PZ		
	BAJA	Reaction	DHAR	MAND	Av. Score	Reaction	LUDH	Reaction	HYDE	Reaction	DHAR	Reaction	MAND	Reaction	
1	BML 7	2.0	R	3.0	1.0	2.0	R	4.0	MR	7.0	MS	2.5	MR	2.0	R
2	BML-45	2.0	R	3.5	1.0	2.3	R	4.0	MR	6.0	MS	4.0	MR	2.0	R
3	BRASIL-117	3.0	R	4.0	1.0	2.5	R	4.4	MR	9.0	S	7.0	S	2.0	R
4	CML 292	7.0	MS	9.0	1.0	5.0	MR	4.0	MR	5.0	MR	4.0	MR	2.0	R
5	DML-1	7.0	MS	6.0	1.0	3.5	MR	4.0	MR	NG	-	7.5	S	2.0	R
6	DML-112	2.0	R	5.5	1.0	3.3	MR	5.0	MR	NG	-	7.0	S	1.0	HR
7	DML-119	3.0	R	5.0	4.0	4.5	MR	3.5	MR	7.0	MS	6.0	MS	3.0	MR
8	DML-127	4.0	MR	6.5	3.0	4.8	MR	4.6	MR	7.5	S	2.5	MR	1.0	HR
9	DML-134-2	4.0	MR	4.0	3.0	3.5	MR	3.0	R	NG	-	8.0	S	2.0	R
10	DML-16	3.0	R	4.0	2.0	3.0	R	3.2	MR	NG	-	4.0	MR	1.0	HR
11	DML-163-1	5.0	MR	8.0	3.0	5.5	MS	4.7	MR	7.0	MS	4.0	MR	2.0	R
12	DML-170	2.0	R	3.5	1.0	2.3	R	4.3	MR	6.7	MS	2.5	MR	1.0	HR
13	DML-181	2.0	R	3.0	2.0	2.5	R	4.0	MR	NG	-	5.0	MS	1.0	HR
14	DML-19	3.0	R	7.0	3.0	5.0	MR	5.2	MS	NG	-	4.0	MR	1.0	HR
15	DML-194	6.0	MS	NG	NG	NG	-	3.2	MR	NG	-	NG	-	2.0	R
16	DML-212A	4.0	MR	9.0	7.0	8.0	S	3.8	MR	5.3	MS	4.0	MR	2.0	R
17	DML-221	3.0	R	8.0	4.0	6.0	MS	4.0	MR	7.0	MS	4.0	MR	1.0	HR
18	DML-242	3.0	R	8.0	4.0	6.0	MS	4.2	MR	3.0	R	4.0	MR	1.0	HR
19	DML-310	2.0	R	4.5	2.0	3.3	MR	3.0	R	5.0	MR	2.0	R	2.0	R
20	DML-346	3.0	R	4.0	1.0	2.5	R	4.7	MR	5.0	MR	4.5	MS	3.0	MR
21	DML-37-1	3.0	R	5.0	1.0	3.0	R	2.6	R	6.7	MS	2.0	R	2.0	R
22	DML-416	2.0	R	NG	1.0	1.0	R	4.0	MR	NG	-	NG	-	3.0	MR
23	DQL-1017-2	3.0	R	9.0	1.0	5.0	MR	3.5	MR	9.0	S	4.0	MR	2.0	R
24	DQL-1001	4.0	MR	NG	1.0	1.0	R	4.4	MR	7.0	MS	NG	-	1.0	HR
25	DQL 1005	5.0	MR	6.0	1.0	3.5	MR	3.0	R	6.0	MS	8.0	S	2.0	R
26	HKI 42050	2.0	R	4.5	1.0	2.8	R	3.0	R	2.5	R	2.5	MR	2.0	R
27	UMI 1200	4.0	MR	3.0	1.0	2.0	R	2.5	R	2.7	R	2.0	R	1.0	HR
28	UMI 1201	2.0	R	4.0	1.0	2.5	R	4.6	MR	NG	-	8.0	S	2.0	R

Contd.

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Table 12.

S. No. Inbred lines	Turcicum leaf blight (1-9)							Charcoal rot (1-9)				C. Rust (1-9)		P. Rust (1-9)	
	NHZ		PZ					NWPZ		PZ		PZ		PZ	
	BAJA	Reaction	DHAR	MAND	Av. Score	Reaction	LUDH	Reaction	HYDE	Reaction	DHAR	Reaction	MAND	Reaction	
29 UMI 1230	2.0	R	NG	1.0	1.0	R	3.0	R	5.0	MR	NG	-	2.0	R	
30 V-373	2.0	R	5.0	1.0	3.0	R	4.2	MR	6.7	MS	2.5	MR	2.0	R	
31 DQL-609(dark purple)-1-3	2.0	R	7.0	2.0	4.5	MR	6.8	MS	NG	-	2.0	R	1.0	HR	
32 DQL-610-12-4	2.0	R	NG	1.0	1.0	R	4.2	MR	NG	-	NG	-	1.0	HR	
33 DQL-614-5-4	4.0	MR	6.0	6.0	6.0	MS	4.6	MR	NG	-	6.0	MS	3.0	MR	
34 DQL-780-2	3.0	R	7.5	5.0	6.3	MS	8.0	S	NG	-	2.0	R	1.0	HR	
35 DQL-781-2	3.0	R	8.0	1.0	4.5	MR	6.0	MS	8.0	S	4.0	MR	2.0	R	
36 DQL-621-1-1A	3.0	R	6.0	1.0	3.5	MR	6.2	MS	6.3	MS	5.5	MS	2.0	R	
37 DQL-621 (Seg)-9-1	4.0	MR	5.0	1.0	3.0	R	4.0	MR	5.0	MR	8.0	S	2.0	R	
38 DQL-621 (Seg)-16-5	5.0	MR	6.0	2.0	4.0	MR	4.8	MR	5.0	MR	9.0	S	2.0	R	
39 DQL-295-1-1	4.0	MR	NG	3.0	3.0	R	4.5	MR	6.0	MS	NG	-	1.0	HR	
40 DQL-565 (V)-5-2 (Orange)	3.0	R	7.0	1.0	4.0	MR	6.0	MS	6.5	MS	4.0	MR	2.0	R	
41 DQL-626 (ORANGE)-2-3	3.0	R	8.0	2.0	5.0	MR	6.0	MS	5.5	MS	4.5	MS	2.0	R	
42 DQL-630-(ORANGE)-3-6	4.0	MR	9.0	3.0	6.0	MS	6.5	MS	6.0	MS	4.0	MR	2.0	R	
43 DMRQPM-103	4.0	MR	4.0	1.0	2.5	R	4.0	MR	6.0	MS	4.0	MR	2.0	R	
44 DQL-720-10-5	6.0	MS	4.5	5.0	4.8	MR	7.0	MS	NG	-	6.5	S	2.0	R	
45 DQL-574-2	3.0	R	9.0	1.0	5.0	MR	3.0	R	7.5	S	4.0	MR	2.0	R	
46 DQL-593-3	No seed	-	NG	NG	NG	-	NG	-	3.0	R	NG	-	NG	-	
47 DQL-593-4	8.0	S	9.0	9.0	9.0	S	5.4	MS	2.3	R	9.0	S	1.0	HR	
48 DQL-784(O)-4-1	5.0	MR	9.0	7.0	8.0	S	8.0	S	7.0	MS	6.0	MS	2.0	R	
49 DQL-602-2	3.0	R	7.0	3.0	5.0	MR	4.4	MR	1.0	R	4.0	MR	2.0	R	
50 DQL-785(seg)-1-1	4.0	MR	6.0	5.0	5.5	MS	6.0	MS	1.2	R	4.5	MS	2.0	R	
51 DQL-609-5	2.0	R	8.0	1.0	4.5	MR	3.5	MR	2.3	R	4.0	MR	2.0	R	
52 DQL-785(seg)-1-8	7.0	MS	6.5	2.0	4.3	MR	6.0	MS	3.3	MR	9.0	S	1.0	HR	
53 DQL-614-6	3.0	R	5.0	1.0	3.0	R	4.4	MR	6.2	MS	9.0	S	3.0	MR	
54 DQL-790(PG)-2-4	6.0	MS	4.0	5.0	4.5	MR	5.5	MS	6.6	MS	4.0	MR	1.0	HR	
55 DQL-74-1-4B	4.0	MR	4.5	1.0	2.8	R	3.6	MR	4.2	MR	2.5	MR	2.0	R	
56 DQL-653-3-1	4.0	MR	9.0	1.0	5.0	MR	5.3	MS	4.8	MR	6.0	MS	1.0	HR	
57 DQL-633-1-1	5.0	MR	7.0	1.0	4.0	MR	4.4	MR	NG	-	9.0	S	2.0	R	

Contd.

Table 12.

S. No. Inbred lines	Turcicum leaf blight (1-9)						Charcoal rot (1-9)				C. Rust (1-9)		P. Rust (1-9)		
	NHZ		PZ				NWPZ		PZ		PZ		PZ		
	BAJA	Reaction	DHAR	MAND	Av. Score	Reaction	LUDH	Reaction	HYDE	Reaction	DHAR	Reaction	MAND	Reaction	
58	CM 120	3.0	R	NG	1.0	1.0	R	3.2	MR	6.0	MS	NG	-	1.0	HR
59	CM 125	4.0	MR	6.0	2.0	4.0	MR	4.4	MR	6.0	MS	2.5	MR	1.0	HR
60	CM 133	8.0	S	9.0	6.0	7.5	S	3.4	MR	6.5	MS	4.0	MR	2.0	R
61	CM 135	4.0	MR	6.0	2.0	4.0	MR	5.0	MR	NG	-	6.0	MS	2.0	R
62	CM 138	7.0	MS	9.0	3.0	6.0	MS	8.7	S	NG	-	4.0	MR	2.0	R
63	CM 140	3.0	R	8.0	5.0	6.5	MS	7.5	S	NG	-	4.5	MS	1.0	HR
64	CM202XE57	3.0	R	8.0	2.0	5.0	MR	5.5	MS	NG	-	6.0	MS	3.0	MR
65	CM 207	4.0	MR	7.0	2.0	4.5	MR	3.8	MR	NG	-	9.0	S	1.0	HR
66	CM 210	3.0	R	NG	1.0	1.0	R	5.8	MS	5.5	MS	NG	-	2.0	R
67	CM 212	3.0	R	NG	2.0	2.0	R	4.2	MR	NG	-	NG	-	1.0	HR
68	CM 213	2.0	R	7.5	1.0	4.3	MR	3.5	MR	NG	-	4.0	MR	3.0	MR
69	CML 111	4.0	MR	9.0	5.0	7.0	MS	4.5	MR	NG	-	6.0	MS	2.0	R
70	CML 112BBB	5.0	MR	6.0	6.0	6.0	MS	8.0	S	NG	-	4.0	MR	1.0	HR
71	CML 114	5.0	MR	9.0	8.0	8.5	S	6.2	MS	5.0	MR	6.0	MS	2.0	R
72	CML 117-3-4	7.0	MS	9.0	7.0	8.0	S	3.8	MR	5.0	MR	8.0	S	1.0	HR
73	CML 12	4.0	MR	5.5	4.0	4.8	MR	5.7	MS	6.5	MS	7.0	S	2.0	R
74	CML 121	4.0	MR	6.0	4.0	5.0	MR	5.5	MS	6.0	MS	9.0	S	3.0	MR
75	CML 141	5.0	MR	NG	1.0	1.0	R	6.5	MS	5.5	MS	NG	-	1.0	HR
76	CML 162	4.0	MR	NG	1.0	1.0	R	3.0	R	5.9	MS	NG	-	2.0	R
77	CML 171	2.0	R	8.0	1.0	4.5	MR	4.5	MR	7.7	S	4.5	MS	2.0	R
78	CML 172	6.0	MS	9.0	6.0	7.5	S	8.2	S	7.2	S	6.0	MS	3.0	MR
79	CML 220	4.0	MR	9.0	5.0	7.0	MS	8.2	S	6.0	MS	4.0	MR	1.0	HR
80	CML 227	7.0	MS	NG	2.0	2.0	R	4.0	MR	1.5	R	NG	-	2.0	R
81	CML 282	3.0	R	NG	1.0	1.0	R	5.5	MS	1.7	R	NG	-	2.0	R
82	CML 29	3.0	R	4.5	1.0	2.8	R	7.4	S	8.7	S	2.5	MR	1.0	HR
83	CML 295BBB	2.0	R	6.0	4.0	5.0	MR	3.7	MR	6.5	MS	3.0	MR	2.0	R
84	CML 304	3.0	R	6.0	7.0	6.5	MS	3.0	R	6.5	MS	6.0	MS	2.0	R
85	CML 312	5.0	MR	NG	6.0	6.0	MS	6.0	MS	6.5	MS	NG	-	1.0	HR
86	CML 317	5.0	MR	8.0	3.0	5.5	MS	5.7	MS	6.0	MS	4.0	MR	1.0	HR

Contd.

Table 12.

S. No. Inbred lines	Turicum leaf blight (1-9)						Charcoal rot (1-9)				C. Rust (1-9)		P. Rust (1-9)		
	NHZ		PZ				NWPZ		PZ		PZ		PZ		
	BAJA	Reaction	DHAR	MAND	Av. Score	Reaction	LUDH	Reaction	HYDE	Reaction	DHAR	Reaction	MAND	Reaction	
87	CML 321	4.0	MR	NG	1.0	1.0	R	6.5	MS	6.5	MS	NG	-	1.0	HR
88	CML 327	4.0	MR	NG	4.0	4.0	MR	4.6	MR	6.2	MS	NG	-	1.0	HR
89	CML 334	7.0	MS	NG	1.0	1.0	R	5.5	MS	5.3	MS	NG	-	2.0	R
90	CML 395	4.0	MR	NG	1.0	1.0	R	3.2	MR	NG	-	NG	-	2.0	R
91	CML 409	3.0	R	5.5	7.0	6.3	MS	2.8	R	4.0	MR	2.0	R	2.0	R
92	CML 40BBB	3.0	R	6.0	1.0	3.5	MR	2.5	R	3.7	MR	8.0	S	2.0	R
93	CML 420	5.0	MR	4.0	2.0	3.0	R	5.6	MS	NG	-	2.5	MR	2.0	R
94	CML 422	3.0	R	9.0	1.0	5.0	MR	NG	-	5.0	MR	2.0	R	2.0	R
95	CML 435	4.0	MR	NG	9.0	9.0	S	2.5	R	NG	-	NG	-	2.0	R
96	CML 44	8.0	S	9.0	1.0	5.0	MR	4.8	MR	6.0	MS	6.0	MS	2.0	R
97	CML 451XE62	2.0	R	3.5	2.0	2.8	R	5.0	MR	NG	-	2.0	R	2.0	R
98	CML 452	3.0	R	4.0	1.0	2.5	R	3.7	MR	NG	-	2.5	MR	2.0	R
99	CML 494	3.0	R	6.0	2.0	4.0	MR	4.2	MR	5.5	MS	2.0	R	2.0	R
100	CML 55BB	5.0	MR	5.5	1.0	3.3	MR	3.0	R	7.5	S	7.5	S	2.0	R
101	CM 108	3.0	R	8.0	6.0	7.0	MS	3.8	MR	5.0	MR	2.0	R	2.0	R
102	CML 202	4.0	MR	5.0	1.0	3.0	R	3.0	R	7.2	S	8.0	S	2.0	R
103	CML 207	4.0	MR	6.0	1.0	3.5	MR	4.7	MR	NG	-	3.5	MR	2.0	R
104	CML 208BBB	3.0	R	NG	1.0	1.0	R	3.0	R	NG	-	NG	-	1.0	HR
105	CML 218BBB	3.0	R	NG	4.0	4.0	MR	3.6	MR	7.3	S	NG	-	1.0	HR
106	CML 24	5.0	MR	5.0	1.0	3.0	R	5.2	MS	6.7	MS	6.0	MS	3.0	MR
107	CML 248	3.0	R	7.0	1.0	4.0	MR	5.4	MS	7.0	MS	4.0	MR	1.0	HR
108	CML 269	2.0	R	NG	2.0	2.0	R	4.4	MR	5.0	MR	NG	-	2.0	R
109	CML 271BBB	2.0	R	NG	2.0	2.0	R	7.0	MS	NG	-	NG	-	2.0	R
110	CML 278	2.0	R	6.0	1.0	3.5	MR	6.7	MS	3.5	MR	9.0	S	3.0	MR
111	CML 279	2.0	R	5.0	1.0	3.0	R	2.8	R	5.0	MR	2.0	R	2.0	R
112	CML 322	2.0	R	7.0	1.0	4.0	MR	6.6	MS	4.0	MR	9.0	S	1.0	HR
113	CML 37	3.0	R	8.0	2.0	5.0	MR	8.8	S	5.3	MS	4.0	MR	2.0	R
114	CML 446BBB	4.0	MR	8.0	1.0	4.5	MR	3.0	R	NG	-	4.0	MR	1.0	HR
115	CML 484BBB	4.0	MR	6.0	1.0	3.5	MR	7.7	S	NG	-	7.0	S	3.0	MR

Contd.

Table 12.

S. No. Inbred lines	Turcicum leaf blight (1-9)						Charcoal rot (1-9)				C. Rust (1-9)		P. Rust (1-9)		
	NHZ		PZ				NWPZ		PZ		PZ		PZ		
	BAJA	Reaction	DHAR	MAND	Av. Score	Reaction	LUDH	Reaction	HYDE	Reaction	DHAR	Reaction	MAND	Reaction	
116	CML 189BBB	5.0	MR	8.0	5.0	6.5	MS	5.8	MS	NG	-	8.0	S	2.0	R
117	CML 195	3.0	R	5.0	NG	5.0	MR	2.4	R	NG	-	2.5	MR	NG	-
118	CML 406	5.0	MR	6.0	5.0	5.5	MS	2.5	R	6.0	MS	4.0	MR	2.0	R
119	CML 493BBB	3.0	R	4.0	1.0	2.5	R	5.3	MS	6.0	MS	4.0	MR	1.0	HR
120	CML 542 W	2.0	R	3.5	2.0	2.8	R	5.2	MS	5.3	MS	2.0	R	2.0	R
121	CML 549 W	2.0	R	5.0	1.0	3.0	R	3.4	MR	4.3	MR	4.0	MR	2.0	R
122	CML 550 W	4.0	MR	NG	3.0	3.0	R	4.3	MR	6.3	MS	NG	-	1.0	HR
123	CML 551 Y	3.0	R	7.0	NG	7.0	MS	6.2	MS	6.0	MS	4.0	MR	NG	-
124	CML 554 W	4.0	MR	NG	2.0	2.0	R	NG	-	7.0	MS	NG	-	2.0	R
125	CML 556 W	3.0	R	8.0	1.0	4.5	MR	4.2	MR	7.2	S	4.5	MS	2.0	R
126	CML 557 W	2.0	R	8.0	1.0	4.5	MR	4.7	MR	4.7	MR	9.0	S	2.0	R
127	CML 559 W	3.0	R	NG	1.0	1.0	R	5.5	MS	6.0	MS	NG	-	2.0	R
128	CML 142 X 150	6.0	MS	9.0	3.0	6.0	MS	5.5	MS	8.0	S	4.0	MR	2.0	R
129	CML 163	7.0	MS	7.0	1.0	4.0	MR	6.0	MS	5.2	MS	4.5	MS	4.0	MR
130	CML 176	7.0	MS	5.5	2.0	3.8	MR	6.0	MS	NG	-	4.0	MR	2.0	R
131	CML 186	6.0	MS	6.0	1.0	3.5	MR	6.8	MS	5.7	MS	7.0	S	1.0	HR
132	Bajim-08-27	5.0	MR	3.0	1.0	2.0	R	4.2	MR	6.4	MS	7.5	S	2.0	R
133	LM 5	5.0	MR	5.0	2.0	3.5	MR	3.7	MR	5.5	MS	4.0	MR	2.0	R
134	LM 14	3.0	R	8.0	1.0	4.5	MR	3.0	R	7.0	MS	4.0	MR	2.0	R
135	LM 16	6.0	MS	9.0	7.0	8.0	S	7.6	S	5.0	MR	6.0	MS	2.0	R
136	LM 17	6.0	MS	9.0	6.0	7.5	S	3.0	R	5.5	MS	8.0	S	2.0	R
137	LM 18	8.0	S	9.0	8.0	8.5	S	4.2	MR	NG	-	8.0	S	2.0	R
138	LM 19	8.0	S	9.0	9.0	9.0	S	4.6	MR	7.0	MS	4.0	MR	1.0	HR
139	HKI 193-1	4.0	MR	5.0	2.0	3.5	MR	5.8	MS	6.0	MS	4.5	MS	1.0	HR
140	HKI 193-2	2.0	R	5.5	1.0	3.3	MR	3.7	MR	7.0	MS	4.0	MR	1.0	HR
141	HKI 323	4.0	MR	8.0	2.0	5.0	MR	6.6	MS	NG	-	6.0	MS	2.0	R
142	HKI 488-1RG	4.0	MR	6.0	2.0	4.0	MR	4.4	MR	NG	-	9.0	S	3.0	MR
143	HKI 1344	3.0	R	5.5	2.0	3.8	MR	6.8	MS	8.0	S	4.5	MS	2.0	R
144	HKI 1348-6-2	3.0	R	9.0	1.0	5.0	MR	4.0	MR	7.3	S	4.0	MR	3.0	MR

Contd.

Table 12.

S. No. Inbred lines	Turcicum leaf blight (1-9)						Charcoal rot (1-9)				C. Rust (1-9)		P. Rust (1-9)		
	NHZ		PZ				NWPZ		PZ		PZ		PZ		
	BAJA	Reaction	DHAR	MAND	Av. Score	Reaction	LUDH	Reaction	HYDE	Reaction	DHAR	Reaction	MAND	Reaction	
145	HKI 1352	3.0	R	6.0	2.0	4.0	MR	5.0	MR	7.3	S	4.5	MS	2.0	R
146	HKI 1378	6.0	MS	5.0	1.0	3.0	R	6.4	MS	7.0	MS	4.0	MR	2.0	R
147	MAI-105	3.0	R	NG	2.0	2.0	R	NG	-	1.0	R	NG	-	3.0	MR
148	MAI-197	4.0	MR	NG	2.0	2.0	R	5.0	MR	NG	-	NG	-	3.0	MR
149	CML 170	3.0	R	NG	3.0	3.0	R	4.2	MR	NG	-	NG	-	1.0	HR
150	CML 175	2.0	R	4.0	2.0	3.0	R	2.4	R	NG	-	4.0	MR	2.0	R
151	CML180	4.0	MR	3.0	1.0	2.0	R	3.0	R	NG	-	6.0	MS	1.0	HR
152	CML 319	2.0	R	NG	3.0	3.0	R	3.0	R	NG	-	NG	-	2.0	R
153	DMRQPM 121	6.0	MS	8.0	3.0	5.5	MS	6.0	MS	8.0	S	4.0	MR	2.0	R
154	LM 13	5.0	MR	7.0	3.0	5.0	MR	8.0	S	NG	-	6.0	MS	1.0	HR
155	WOXY 418	3.0	R	8.0	4.0	6.0	MS	5.0	MR	NG	-	4.0	MR	1.0	HR
156	ESM 113	5.0	MR	5.0	5.0	5.0	MR	7.0	MS	NG	-	4.0	MR	1.0	HR
157	HKI 4C4B	6.0	MS	8.0	3.0	5.5	MS	6.7	MS	NG	-	6.0	MS	2.0	R
158	IML12-2	3.0	R	6.0	2.0	4.0	MR	5.0	MR	NG	-	2.0	R	1.0	HR
159	IML12-9	2.0	R	5.5	1.0	3.3	MR	6.2	MS	7.0	MS	3.5	MR	2.0	R
160	IML12-10	4.0	MR	3.0	1.0	2.0	R	3.4	MR	6.0	MS	2.0	R	1.0	HR
161	IML12-14	5.0	MR	4.0	1.0	2.5	R	5.8	MS	9.0	S	3.0	MR	1.0	HR
162	IML12-22	4.0	MR	4.5	3.0	3.8	MR	4.4	MR	7.0	MS	7.0	S	2.0	R
163	IML12-52	2.0	R	6.0	4.0	5.0	MR	4.0	MR	8.0	S	2.0	R	1.0	HR
164	IML12-74	3.0	R	4.0	1.0	2.5	R	5.0	MR	7.7	S	8.0	S	2.0	R
165	IML12-116	3.0	R	2.0	1.0	1.5	R	4.2	MR	NG	-	2.5	MR	2.0	R
166	IML12-133	2.0	R	4.0	NG	4.0	MR	4.7	MR	NG	-	2.0	R	NG	-
167	IML12-135	2.0	R	7.0	1.0	4.0	MR	3.0	R	6.0	MS	6.0	MS	2.0	R
168	IML12-143	3.0	R	6.5	1.0	3.8	MR	3.2	MR	5.0	MR	8.0	S	2.0	R
169	IML12-161	3.0	R	7.0	3.0	5.0	MR	2.4	R	6.4	MS	8.0	S	1.0	HR
170	IML 12-166	3.0	R	7.5	4.0	5.8	MS	4.2	MR	4.5	MR	9.0	S	1.0	HR
171	IML12-170	5.0	MR	5.0	2.0	3.5	MR	7.5	S	4.2	MR	8.0	S	1.0	HR
172	IML12-180	5.0	MR	4.0	2.0	3.0	R	5.2	MS	6.3	MS	2.0	R	1.0	HR
173	IML12-193	5.0	MR	7.0	2.0	4.5	MR	3.8	MR	6.7	MS	2.5	MR	1.0	HR

Contd.

Table 12.

S. No. Inbred lines	Turcicum leaf blight (1-9)						Charcoal rot (1-9)				C. Rust (1-9)		P. Rust (1-9)		
	NHZ		PZ				NWPZ		PZ		PZ		PZ		
	BAJA	Reaction	DHAR	MAND	Av. Score	Reaction	LUDH	Reaction	HYDE	Reaction	DHAR	Reaction	MAND	Reaction	
174	IML12-195	4.0	MR	7.0	4.0	5.5	MS	4.2	MR	6.4	MS	4.0	MR	1.0	HR
175	IML12-212	3.0	R	5.0	5.0	5.0	MR	5.0	MR	7.0	MS	4.5	MS	2.0	R
176	IML 12-213	3.0	R	4.0	3.0	3.5	MR	4.8	MR	6.5	MS	2.0	R	2.0	R
177	IML12-215	3.0	R	4.0	1.0	2.5	R	4.4	MR	5.8	MS	3.5	MR	2.0	R
178	IML12-218	6.0	MS	8.0	4.0	6.0	MS	5.2	MS	5.0	MR	4.0	MR	2.0	R
179	IML12-220	4.0	MR	5.0	1.0	3.0	R	NG	-	NG	-	2.0	R	2.0	R
180	IML12-221	5.0	MR	5.5	5.0	5.3	MS	NG	-	NG	-	2.0	R	2.0	R
181	IML13-17	6.0	MS	3.0	3.0	3.0	R	3.6	MR	NG	-	3.0	MR	2.0	R
182	IML13-22	4.0	MR	6.0	1.0	3.5	MR	4.8	MR	NG	-	4.0	MR	2.0	R
183	IML13-23	5.0	MR	8.0	NG	8.0	S	4.0	MR	NG	-	3.0	MR	NG	-
184	IML13-62	3.0	R	4.0	3.0	3.5	MR	4.7	MR	NG	-	8.0	S	2.0	R
185	IML 13-84	3.0	R	5.0	2.0	3.5	MR	3.6	MR	NG	-	4.0	MR	2.0	R
186	IML15-2	3.0	R	5.0	2.0	3.5	MR	3.6	MR	NG	-	2.0	R	2.0	R
187	IML15-7	4.0	MR	5.0	1.0	3.0	R	5.4	MS	NG	-	9.0	S	2.0	R
188	IML15-10	5.0	MR	5.0	1.0	3.0	R	4.4	MR	NG	-	9.0	S	2.0	R
189	IML15-48	3.0	R	3.0	1.0	2.0	R	4.2	MR	6.3	MS	9.0	S	1.0	HR
190	IML15-56	4.0	MR	9.0	4.0	6.5	MS	3.4	MR	5.2	MS	4.0	MR	2.0	R
191	IML15-60	5.0	MR	9.0	4.0	6.5	MS	5.2	MS	2.0	R	9.0	S	2.0	R
192	IML 15-65	4.0	MR	6.0	1.0	3.5	MR	6.5	MS	3.0	R	4.0	MR	2.0	R
193	IML15-243	4.0	MR	9.0	5.0	7.0	MS	5.0	MR	4.0	MR	4.0	MR	2.0	R
194	IML15-69	5.0	MR	9.0	2.0	5.5	MS	5.6	MS	2.5	R	2.5	MR	2.0	R
195	IML15-97	3.0	R	2.5	1.0	1.8	R	2.7	R	3.0	R	2.0	R	2.0	R
196	IML15-112	5.0	MR	2.0	1.0	1.5	R	5.2	MS	5.0	MR	2.0	R	2.0	R
197	IML15-131	3.0	R	5.0	2.0	3.5	MR	3.2	MR	3.0	R	2.5	MR	2.0	R
198	IML15-186	3.0	R	6.5	1.0	3.8	MR	3.8	MR	3.2	MR	9.0	S	2.0	R
199	IML15-202	3.0	R	7.0	2.0	4.5	MR	3.6	MR	7.3	S	6.0	MS	2.0	R
200	IML15-244	3.0	R	4.0	1.0	2.5	R	3.4	MR	3.6	MR	3.0	MR	2.0	R
201	IML15-268	5.0	MR	7.0	3.0	5.0	MR	5.2	MS	3.0	R	4.0	MR	2.0	R
202	IML15-269	5.0	MR	8.0	1.0	4.5	MR	6.8	MS	3.0	R	6.0	MS	1.0	HR

Contd.

Table 12.

S. No. Inbred lines	Turcicum leaf blight (1-9)						Charcoal rot (1-9)				C. Rust (1-9)		P. Rust (1-9)		
	NHZ		PZ				NWPZ		PZ		PZ		PZ		
	BAJA	Reaction	DHAR	MAND	Av. Score	Reaction	LUDH	Reaction	HYDE	Reaction	DHAR	Reaction	MAND	Reaction	
203	IML15-280	5.0	MR	9.0	1.0	5.0	MR	3.0	R	5.4	MS	4.0	MR	2.0	R
204	IML15-288	2.0	R	4.0	1.0	2.5	R	5.4	MS	5.0	MR	2.0	R	2.0	R
205	IML15-299	5.0	MR	8.0	1.0	4.5	MR	4.0	MR	5.3	MS	2.0	R	1.0	HR
206	IML16-4	5.0	MR	3.0	1.0	2.0	R	5.8	MS	6.0	MS	2.0	R	2.0	R
207	IML16-6	5.0	MR	9.0	1.0	5.0	MR	3.8	MR	5.3	MS	2.0	R	2.0	R
208	IML16-14	5.0	MR	8.0	1.0	4.5	MR	5.0	MR	6.8	MS	2.0	R	2.0	R
209	IML16-17	4.0	MR	8.0	1.0	4.5	MR	4.5	MR	3.0	R	2.0	R	1.0	HR
210	IML16-25	4.0	MR	7.0	6.0	6.5	MS	4.8	MR	4.5	MR	2.5	MR	2.0	R
211	IML16-27	3.0	R	6.0	1.0	3.5	MR	3.5	MR	NG	-	4.0	MR	2.0	R
212	IML16-28	2.0	R	7.5	2.0	4.8	MR	5.2	MS	1.8	R	5.0	MS	2.0	R
213	IML 16-98	4.0	MR	5.0	1.0	3.0	R	6.2	MS	NG	-	8.0	S	2.0	R
214	IML16-134	3.0	R	2.5	1.0	1.8	R	4.0	MR	7.0	MS	2.0	R	2.0	R
215	IML16-143	3.0	R	8.0	1.0	4.5	MR	4.0	MR	6.8	MS	8.0	S	2.0	R
216	IML16-108	2.0	R	6.0	1.0	3.5	MR	3.0	R	5.7	MS	4.0	MR	1.0	HR
217	IML16-146	3.0	R	3.0	1.0	2.0	R	3.2	MR	NG	-	4.0	MR	3.0	MR
218	IML16-157	4.0	MR	3.0	1.0	2.0	R	2.8	R	NG	-	2.0	R	1.0	HR
219	IML16-162	3.0	R	4.0	1.0	2.5	R	3.0	R	6.0	MS	3.0	MR	2.0	R
220	IML16-183	3.0	R	6.0	1.0	3.5	MR	4.8	MR	7.0	MS	4.0	MR	2.0	R
221	IML16-185	5.0	MR	6.0	1.0	3.5	MR	2.3	R	6.2	MS	6.0	MS	1.0	HR
222	IML16-188	3.0	R	4.0	1.0	2.5	R	6.6	MS	6.5	MS	6.0	MS	2.0	R
223	IML16-193	3.0	R	4.0	1.0	2.5	R	7.6	S	6.0	MS	2.0	R	2.0	R
224	IML16-194	5.0	MR	6.0	1.0	3.5	MR	4.8	MR	NG	-	4.0	MR	1.0	HR
225	IML16-205	4.0	MR	6.0	1.0	3.5	MR	4.2	MR	NG	-	2.0	R	3.0	MR
226	IML 16-208	4.0	MR	4.0	1.0	2.5	R	5.8	MS	6.3	MS	2.0	R	3.0	MR
227	IML16-210	3.0	R	4.0	1.0	2.5	R	3.2	MR	5.8	MS	3.0	MR	2.0	R
228	IML16-220	5.0	MR	4.0	1.0	2.5	R	3.0	R	NG	-	6.0	MS	2.0	R
229	IML16-230	3.0	R	6.0	2.0	4.0	MR	5.8	MS	4.0	MR	4.0	MR	3.0	MR
230	IML16-231	2.0	R	3.0	2.0	2.5	R	7.4	S	3.3	MR	2.0	R	2.0	R
231	IML16-237	4.0	MR	6.0	1.0	3.5	MR	5.2	MS	5.3	MS	2.0	R	2.0	R

Contd.

Table 12.

S. No. Inbred lines	Turcicum leaf blight (1-9)						Charcoal rot (1-9)				C. Rust (1-9)		P. Rust (1-9)		
	NHZ		PZ				NWPZ		PZ		PZ		PZ		
	BAJA	Reaction	DHAR	MAND	Av. Score	Reaction	LUDH	Reaction	HYDE	Reaction	DHAR	Reaction	MAND	Reaction	
232	IML16-238	5.0	MR	6.0	1.0	3.5	MR	7.2	S	4.0	MR	4.0	MR	1.0	HR
233	IML16-254	6.0	MS	8.0	2.0	5.0	MR	3.4	MR	5.0	MR	6.0	MS	1.0	HR
234	IML16-269	3.0	R	5.0	1.0	3.0	R	3.8	MR	6.7	MS	5.0	MS	3.0	MR
235	IML16-279	4.0	MR	4.0	1.0	2.5	R	7.2	S	7.0	MS	5.0	MS	1.0	HR
236	IML16-282	3.0	R	3.5	1.0	2.3	R	2.6	R	2.7	R	2.0	R	2.0	R
237	DML-187-2	3.0	R	9.0	1.0	5.0	MR	4.8	MR	4.2	MR	2.5	MR	1.0	HR
238	DML-313	5.0	MR	NG	2.0	2.0	R	3.5	MR	7.0	MS	NG	-	1.0	HR
239	DML-187-1	5.0	MR	9.0	1.0	5.0	MR	7.8	S	4.0	MR	2.0	R	2.0	R
240	DML-106	5.0	MR	6.0	5.0	5.5	MS	4.4	MR	3.8	MR	2.0	R	2.0	R
241	DML-106-1	5.0	MR	7.0	2.0	4.5	MR	5.2	MS	7.0	MS	6.0	MS	2.0	R
242	CM 143	7.0	MS	9.0	4.0	6.5	MS	6.2	MS	NG	-	2.0	R	1.0	HR
243	CM 123	3.0	R	8.0	NG	8.0	S	4.8	MR	6.0	MS	2.0	R	NG	-
244	CM 202 X CML 451	6.0	MS	4.5	2.0	3.3	MR	6.0	MS	6.0	MS	2.5	MR	2.0	R
245	CML 117	6.0	MS	8.0	1.0	4.5	MR	6.6	MS	6.0	MS	4.0	MR	1.0	HR
246	CML 206	5.0	MR	4.0	2.0	3.0	R	4.4	MR	7.0	MS	4.0	MR	2.0	R
247	CML 266	4.0	MR	NG	1.0	1.0	R	NG	-	7.0	MS	NG	-	2.0	R
248	CML 33	3.0	R	4.0	1.0	2.5	R	3.4	MR	6.7	MS	3.0	MR	1.0	HR
249	CML 334(W)	3.0	R	3.0	1.0	2.0	R	3.0	R	6.5	MS	5.0	MS	2.0	R
250	CML 373	2.0	R	NG	1.0	1.0	R	4.0	MR	7.8	S	NG	-	1.0	HR
251	CML 413	4.0	MR	3.0	1.0	2.0	R	2.3	R	2.5	R	2.0	R	2.0	R
252	CML 426	7.0	MS	3.5	7.0	5.3	MS	4.7	MR	6.3	MS	4.0	MR	1.0	HR
253	DML 401-1	6.0	MS	9.0	6.0	7.5	S	4.2	MR	7.0	MS	4.5	MS	2.0	R
254	CML 44 BBB	5.0	MR	9.0	3.0	6.0	MS	3.3	MR	7.8	S	4.0	MR	1.0	HR
255	CML 479	5.0	MR	3.5	1.0	2.3	R	3.6	MR	7.4	S	2.0	R	1.0	HR
256	CML 540 (W)	4.0	MR	4.0	1.0	2.5	R	4.8	MR	NG	-	2.5	MR	1.0	HR
257	DML 281	3.0	R	6.0	NG	6.0	MS	3.4	MR	NG	-	4.0	MR	NG	-
258	DML 339	3.0	R	4.0	1.0	2.5	R	4.4	MR	8.0	S	5.0	MS	1.0	HR
259	DML 57-2	3.0	R	4.5	3.0	3.8	MR	4.0	MR	6.8	MS	3.0	MR	2.0	R
260	DPCL 102	5.0	MR	4.0	1.0	2.5	R	4.0	MR	7.0	MS	2.0	R	3.0	MR

Contd.

Table 12.

S. No. Inbred lines	Turcicum leaf blight (1-9)						Charcoal rot (1-9)				C. Rust (1-9)		P. Rust (1-9)	
	NHZ		PZ				NWPZ		PZ		PZ		PZ	
	BAJA	Reaction	DHAR	MAND	Av. Score	Reaction	LUDH	Reaction	HYDE	Reaction	DHAR	Reaction	MAND	Reaction
261 DPCL 106-1	6.0	MS	9.0	3.0	6.0	MS	4.2	MR	NG	-	4.0	MR	2.0	R
262 DPCL 117	6.0	MS	9.0	6.0	7.5	S	6.0	MS	NG	-	3.0	MR	3.0	MR
263 CML 451	5.0	MR	8.0	1.0	4.5	MR	3.4	MR	5.7	MS	9.0	S	2.0	R
264 DQL 1019	4.0	MR	4.0	3.0	3.5	MR	3.0	R	NG	-	3.5	MR	2.0	R
265 DQL 1022-1	4.0	MR	7.0	1.0	4.0	MR	3.3	MR	NG	-	3.0	MR	1.0	HR
266 DQL 364-1-4	3.0	R	8.0	1.0	4.5	MR	3.5	MR	NG	-	8.0	S	2.0	R
267 DQL 774-171	5.0	MR	5.0	1.0	3.0	R	4.0	MR	7.3	S	2.5	MR	1.0	HR
268 DQL 779-2-9	5.0	MR	4.0	1.0	2.5	R	5.4	MS	NG	-	3.0	MR	2.0	R
269 DQL 781(Early)-1-4	6.0	MS	9.0	2.0	5.5	MS	4.0	MR	NG	-	3.5	MR	2.0	R
270 DQL 784-5-3	6.0	MS	8.0	4.0	6.0	MS	4.5	MR	NG	-	8.0	S	2.0	R
271 HKI 1040-7	3.0	R	8.0	1.0	4.5	MR	5.0	MR	NG	-	4.0	MR	2.0	R
272 HKI 484-5	2.0	R	NG	1.0	1.0	R	3.6	MR	NG	-	NG	-	2.0	R
273 LM 12	8.0	S	5.0	4.0	4.5	MR	3.0	R	6.5	MS	7.0	S	2.0	R
274 P 19 (IML-16-19)	3.0	R	9.0	1.0	5.0	MR	4.2	MR	NG	-	4.0	MR	1.0	HR
275 P 14 (IML- 16-14)	3.0	R	8.0	1.0	4.5	MR	5.6	MS	NG	-	5.5	MS	2.0	R
276 P 141 (IML-16-141)	5.0	MR	5.0	1.0	3.0	R	3.8	MR	NG	-	8.0	S	1.0	HR
277 P 163 (IML-16-163)	5.0	MR	NG	1.0	1.0	R	6.0	MS	2.0	R	NG	-	2.0	R
278 P 248 (IML 16-248)	7.0	MS	NG	1.0	1.0	R	5.2	MS	6.8	MS	NG	-	1.0	HR
279 P 72 (IML -16-72)	4.0	MR	8.0	1.0	4.5	MR	5.8	MS	6.8	MS	4.0	MR	2.0	R
280 DML 36	2.0	R	5.0	1.0	3.0	R	NG	-	6.7	MS	6.0	MS	1.0	HR
281 DML 92	4.0	MR	7.5	1.0	4.3	MR	2.5	R	7.5	S	2.5	MR	2.0	R
282 V 335	3.0	R	3.5	2.0	2.8	R	6.0	MS	6.3	MS	2.0	R	1.0	HR
283 V 345	5.0	MR	7.0	1.0	4.0	MR	7.0	MS	5.0	MR	2.0	R	2.0	R
284 CM 143-1	6.0	MS	NG	4.0	4.0	MR	3.8	MR	4.5	MR	NG	-	1.0	HR
285 CML 114-1	8.0	S	9.0	4.0	6.5	MS	5.6	MS	4.6	MR	4.0	MR	2.0	R
286 DML 19-1	5.0	MR	9.0	3.0	6.0	MS	8.8	S	5.8	MS	4.0	MR	1.0	HR
287 IML 16-108	5.0	MR	5.0	3.0	4.0	MR	3.2	MR	NG	-	4.0	MR	2.0	R
288 DQL 609-20-3 (WG)	5.0	MR	5.5	2.0	3.8	MR	2.6	R	6.3	MS	3.0	MR	1.0	HR
289 CML 161/CML 16	3.0	R	4.0	2.0	3.0	R	7.2	S	6.8	MS	6.0	MS	2.0	R

Contd.

Table 12.

S. No. Inbred lines	Turcicum leaf blight (1-9)						Charcoal rot (1-9)				C. Rust (1-9)		P. Rust (1-9)	
	NHZ		PZ				NWPZ		PZ		PZ		PZ	
	BAJA	Reaction	DHAR	MAND	Av. Score	Reaction	LUDH	Reaction	HYDE	Reaction	DHAR	Reaction	MAND	Reaction
290 DQL 1001-1	5.0	MR	4.5	1.0	2.8	R	4.2	MR	6.0	MS	7.5	S	2.0	R
291 IML 16-134-1	5.0	MR	4.0	1.0	2.5	R	5.6	MS	5.7	MS	7.0	S	1.0	HR
292 IML 16-134-2(QPM)	5.0	MR	5.5	1.0	3.3	MR	6.0	MS	NG	-	4.0	MR	3.0	MR
293 CML 152	5.0	MR	5.0	2.0	3.5	MR	4.6	MR	NG	-	2.5	MR	3.0	MR
294 VQL 1	4.0	MR	NG	2.0	2.0	R	7.0	MS	NG	-	NG	-	2.0	R
295 DML 212-C	5.0	MR	NG	4.0	4.0	MR	6.2	MS	NG	-	NG	-	1.0	HR
296 DML 212-B	5.0	MR	9.0	4.0	6.5	MS	4.6	MR	NG	-	4.5	MS	2.0	R
Ch. 1 BML 10	5.8	MS	8.3	-	8.3	S	3.7	MR	7.5	S	4.3	MS	-	-
Ch. 2 DML 242-1	2.5	R	6.0	-	6.0	MS	6.2	MS	7.0	MS	3.4	MR	-	-
Sus. Check	8.0	S	8.5	7.5	8.0	S	7.0	MS	7.2	S	8.5	S	7.5	S

Sus Check:-TLB:- NB 3 (Bajaura); CM 202 (Dharwad, Mandya); C Rot:- CM 501 (Hyderabad); 7157-1-2 (Ludhiana); C Rust:- CM 202 (Dharwad); P Rust:- CM 202 (Mandya)

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Table 13. Screening of Mapping Population (M-15) against MLB

S. No.	Inbred lines	Maydis leaf blight (1-9)						
		NWPZ					NEPZ	
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	Reaction
1	M15-1	5.0	5.0	5.0	5.0	MR	6.0	MS
2	M15-2	9.0	6.0	5.0	6.7	MS	7.0	MS
3	M15-4	4.0	6.0	7.0	5.7	MS	7.0	MS
4	M15-5	6.0	5.0	4.0	5.0	MR	6.0	MS
5	M15-6	8.0	7.0	4.0	6.3	MS	-	-
6	M15-7	5.0	6.0	7.0	6.0	MS	6.0	MS
7	M15-8	5.0	6.0	7.0	6.0	MS	7.0	MS
8	M15-9	8.0	9.0	8.0	8.3	S	7.0	MS
9	M15-10	4.0	4.0	4.0	4.0	MR	7.0	MS
10	M15-11	4.0	6.0	6.0	5.3	MS	5.0	MR
11	M15-12	4.0	6.0	7.0	5.7	MS	5.0	MR
12	M15-14	4.0	7.0	6.0	5.7	MS	5.0	MR
13	M15-15	6.0	5.0	7.0	6.0	MS	6.0	MS
14	M15-16	7.0	8.0	8.0	7.7	S	7.0	MS
15	M15-21	5.0	6.0	7.0	6.0	MS	7.0	MS
16	M15-22	5.0	7.0	6.0	6.0	MS	5.0	MR
17	M15-24	6.0	5.0	5.0	5.3	MS	5.0	MR
18	M15-25	3.0	7.0	6.0	5.3	MS	5.0	MR
19	M15-27	3.0	5.0	4.0	4.0	MR	7.0	MS
20	M15-28	5.0	7.0	4.0	5.3	MS	7.0	MS
21	M15-29	4.0	6.0	6.0	5.3	MS	6.0	MS
22	M15-30	4.0	6.0	5.0	5.0	MR	5.0	MR
23	M15-31	5.0	9.0	7.0	7.0	MS	7.0	MS
24	M15-32	5.0	7.0	5.0	5.7	MS	7.0	MS
25	M15-33	3.0	7.0	5.0	5.0	MR	6.0	MS
26	M15-34	2.0	8.0	7.0	5.7	MS	5.0	MR
27	M15-35	6.0	6.0	5.0	5.7	MS	5.0	MR
28	M15-36	4.0	5.0	5.0	4.7	MR	5.0	MR
29	M15-37	5.0	6.0	4.0	5.0	MR	7.0	MS
30	M15-38	5.0	6.0	8.0	6.3	MS	5.0	MR
31	M15-41	6.0	5.0	3.0	4.7	MR	5.0	MR
32	M15-43	8.0	5.0	5.0	6.0	MS	3.0	R
33	M15-44	8.0	6.0	4.0	6.0	MS	6.0	MS
34	M15-47	6.0	7.0	7.0	6.7	MS	7.0	MS
35	M15-48	4.0	4.0	4.0	4.0	MR	7.0	MS
36	M15-49	3.0	5.0	6.0	4.7	MR	5.0	MR
37	M15-50	4.0	7.0	5.0	5.3	MS	5.0	MR
38	M15-51	8.0	8.0	6.0	7.3	S	9.0	S
39	M15-52	5.0	7.0	6.0	6.0	MS	9.0	S
40	M15-53	4.0	6.0	6.0	5.3	MS	8.0	S
41	M15-54	5.0	5.0	4.0	4.7	MR	8.0	S

Contd.

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Table 13.

S. No.	Inbred lines	Maydis leaf blight (1-9)						
		NWPZ					NEPZ	
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	Reaction
42	M15-55	2.0	5.0	6.0	4.3	MR	7.0	MS
43	M15-56	7.0	5.0	4.0	5.3	MS	3.0	R
44	M15-58	6.0	7.0	6.0	6.3	MS	7.0	MS
45	M15-59	7.0	7.0	4.0	6.0	MS	6.0	MS
46	M15-60	6.0	6.0	5.0	5.7	MS	8.0	S
47	M15-63	5.0	5.0	3.0	4.3	MR	8.0	S
48	M15-66	8.0	8.0	6.0	7.3	S	5.0	MR
49	M15-67	6.0	6.0	6.0	6.0	MS	3.0	R
50	M15-68	2.0	5.0	4.0	3.7	MR	8.0	S
51	M15-69	3.0	5.0	7.0	5.0	MR	5.0	MR
52	M15-70	4.0	5.0	6.0	5.0	MR	9.0	S
53	M15-71	7.0	5.0	4.0	5.3	MS	9.0	S
54	M15-73	6.0	7.0	5.0	6.0	MS	3.0	R
55	M15-76	7.0	4.0	4.0	5.0	MR	7.0	MS
56	M15-77	5.0	6.0	5.0	5.3	MS	7.0	MS
57	M15-79	5.0	6.0	6.0	5.7	MS	7.0	MS
58	M15-83	5.0	5.0	3.0	4.3	MR	9.0	S
59	M15-84	4.0	4.0	4.0	4.0	MR	5.0	MR
60	M15-87	3.0	5.0	4.0	4.0	MR	8.0	S
61	M15-88	7.0	5.0	4.0	5.3	MS	6.0	MS
62	M15-90	5.0	6.0	6.0	5.7	MS	5.0	MR
63	M15-92	5.0	5.0	6.0	5.3	MS	7.0	MS
64	M15-93	6.0	5.0	4.0	5.0	MR	8.0	S
65	M15-94	9.0	8.0	7.0	8.0	S	7.0	MS
66	M15-99	2.0	7.0	5.0	4.7	MR	7.0	MS
67	M15-101	3.0	6.0	5.0	4.7	MR	9.0	S
68	M15-102	5.0	5.0	4.0	4.7	MR	9.0	S
69	M15-107	4.0	6.0	6.0	5.3	MS	8.0	S
70	M15-108	5.0	7.0	6.0	6.0	MS	5.0	MR
71	M15-109	4.0	4.0	4.0	4.0	MR	6.0	MS
72	M15-115	7.0	6.0	8.0	7.0	MS	5.0	MR
73	M15-116	8.0	8.0	8.0	8.0	S	7.0	MS
74	M15-117	3.0	6.0	6.0	5.0	MR	9.0	S
75	M15-120	5.0	7.0	6.0	6.0	MS	9.0	S
76	M15-121	3.0	8.0	8.0	6.3	MS	8.0	S
77	M15-122	5.0	8.0	8.0	7.0	MS	8.0	S
78	M15-124	1.0	6.0	5.0	4.0	MR	9.0	S
79	M15-127	4.0	4.0	5.0	4.3	MR	7.0	MS
80	M15-129	4.0	5.0	6.0	5.0	MR	9.0	S
81	M15-131	5.0	7.0	7.0	6.3	MS	8.0	S
82	M15-132	7.0	6.0	6.0	6.3	MS	9.0	S
83	M15-134	6.0	8.0	8.0	7.3	S	6.0	MS

Contd.

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Table 13.

S. No.	Inbred lines	Maydis leaf blight (1-9)						
		NWPZ					NEPZ	
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	Reaction
84	M15-136	6.0	6.0	7.0	6.3	MS	8.0	S
85	M15-137	6.0	7.0	7.0	6.7	MS	8.0	S
86	M15-138	5.0	6.0	7.0	6.0	MS	8.0	S
87	M15-139	6.0	6.0	6.0	6.0	MS	9.0	S
88	M15-140	5.0	5.0	6.0	5.3	MS	6.0	MS
89	M15-141	6.0	5.0	6.0	5.7	MS	3.0	R
90	M15-142	9.0	4.0	7.0	6.7	MS	8.0	S
91	M15-143	9.0	4.0	7.0	6.7	MS	5.0	MR
92	M15-146	6.0	6.0	6.0	6.0	MS	8.0	S
93	M15-147	6.0	8.0	6.0	6.7	MS	8.0	S
94	M15-148	5.0	8.0	8.0	7.0	MS	9.0	S
95	M15-149	5.0	9.0	7.0	7.0	MS	6.0	MS
96	M15-150	6.0	6.0	8.0	6.7	MS	8.0	S
97	M15-151	4.0	3.0	5.0	4.0	MR	9.0	S
98	M15-152	3.0	5.0	4.0	4.0	MR	9.0	S
99	M15-153	6.0	6.0	4.0	5.3	MS	8.0	S
100	M15-155	5.0	5.0	5.0	5.0	MR	7.0	MS
101	M15-156	7.0	5.0	6.0	6.0	MS	5.0	MR
102	M15-157	7.0	7.0	6.0	6.7	MS	9.0	S
103	M15-158	5.0	4.0	4.0	4.3	MR	8.0	S
104	M15-159	4.0	7.0	4.0	5.0	MR	6.0	MS
105	M15-160	6.0	6.0	5.0	5.7	MS	8.0	S
106	M15-163	7.0	8.0	4.0	6.3	MS	9.0	S
107	M15-164	6.0	6.0	5.0	5.7	MS	7.0	MS
108	M15-165	6.0	5.0	4.0	5.0	MR	5.0	MR
109	M15-166	4.0	7.0	4.0	5.0	MR	8.0	S
110	M15-167	5.0	4.0	4.0	4.3	MR		R
111	M15-169	4.0	5.0	5.0	4.7	MR	6.0	MS
112	M15-170	4.0	4.0	7.0	5.0	MR	7.0	MS
113	M15-172	4.0	6.0	6.0	5.3	MS	5.0	MR
114	M15-174	5.0	7.0	4.0	5.3	MS	8.0	S
115	M15-175	5.0	4.0	4.0	4.3	MR	8.0	S
116	M15-176	5.0	8.0	7.0	6.7	MS	8.0	S
117	M15-177	7.0	5.0	6.0	6.0	MS	6.0	MS
118	M15-179	5.0	6.0	5.0	5.3	MS	9.0	S
119	M15-181	4.0	6.0	5.0	5.0	MR	NG	-
120	M15-183	5.0	6.0	4.0	5.0	MR	5.0	MR
121	M15-184	5.0	8.0	5.0	6.0	MS	8.0	S
122	M15-189	6.0	7.0	6.0	6.3	MS	5.0	MR
123	M15-191	5.0	6.0	4.0	5.0	MR	3.0	R
124	M15-192	6.0	5.0	4.0	5.0	MR	6.0	MS
125	M15-193	3.0	6.0	6.0	5.0	MR	8.0	S

Contd.

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Table 13.

S. No.	Inbred lines	Maydis leaf blight (1-9)						
		NWPZ					NEPZ	
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	Reaction
126	M15-196	3.0	4.0	3.0	3.3	MR	7.0	MS
127	M15-199	4.0	6.0	4.0	4.7	MR	8.0	S
128	M15-200	6.0	7.0	7.0	6.7	MS	8.0	S
129	M15-202	3.0	6.0	5.0	4.7	MR	9.0	S
130	M15-203	3.0	6.0	5.0	4.7	MR	7.0	MS
131	M15-204	6.0	8.0	7.0	7.0	MS	8.0	S
132	M15-205	3.0	5.0	5.0	4.3	MR	7.0	MS
133	M15-207	6.0	5.0	5.0	5.3	MS	7.0	MS
134	M15-208	7.0	9.0	8.0	8.0	S	9.0	S
135	M15-209	7.0	9.0	8.0	8.0	S	9.0	S
136	M15-210	6.0	5.0	7.0	6.0	MS	6.0	MS
137	M15-211	4.0	4.0	6.0	4.7	MR	5.0	MR
138	M15-212	2.0	6.0	6.0	4.7	MR	5.0	MR
139	M15-213	2.0	5.0	4.0	3.7	MR	3.0	R
140	M15-214	5.0	6.0	4.0	5.0	MR	9.0	S
141	M15-215	6.0	5.0	4.0	5.0	MR	5.0	MR
142	M15-217	7.0	5.0	5.0	5.7	MS	6.0	MS
143	M15-218	4.0	5.0	4.0	4.3	MR	6.0	MS
144	M15-219	3.0	4.0	4.0	3.7	MR	3.0	R
145	M15-220	6.0	5.0	5.0	5.3	MS	5.0	MR
146	M15-221	6.0	7.0	8.0	7.0	MS	8.0	S
147	M15-222	3.0	5.0	6.0	4.7	MR	6.0	MS
148	M15-223	3.0	5.0	5.0	4.3	MR	5.0	MR
149	M15-225	5.0	6.0	5.0	5.3	MS	7.0	MS
150	M15-226	2.0	4.0	3.0	3.0	R	5.0	MR
151	M15-227	6.0	6.0	6.0	6.0	MS	9.0	S
152	M15-228	6.0	6.0	4.0	5.3	MS	6.0	MS
153	M15-229	6.0	7.0	4.0	5.7	MS	6.0	MS
154	M15-231	5.0	8.0	4.0	5.7	MS	7.0	MS
155	M15-232	3.0	8.0	4.0	5.0	MR	7.0	MS
156	M15-233	5.0	7.0	4.0	5.3	MS	9.0	S
157	M15-234	3.0	6.0	4.0	4.3	MR	9.0	S
158	M15-238	3.0	7.0	5.0	5.0	MR	3.0	R
159	M15-239	2.0	6.0	5.0	4.3	MR	3.0	R
160	M15-240	7.0	8.0	5.0	6.7	MS	8.0	S
161	M15-241	7.0	4.0	5.0	5.3	MS	6.0	MS
162	M15-242	6.0	5.0	6.0	5.7	MS	6.0	MS
163	M15-243	7.0	7.0	4.0	6.0	MS	5.0	MR
164	M15-244	6.0	6.0	5.0	5.7	MS	7.0	MS
165	M15-245	8.0	9.0	6.0	7.7	S	8.0	S
166	M15-247	8.0	9.0	6.0	7.7	S	7.0	MS
167	M15-248	6.0	9.0	5.0	6.7	MS	9.0	S

Contd.

Table 13.

S. No.	Inbred lines	Maydis leaf blight (1-9)						
		NWPZ					NEPZ	
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	Reaction
168	M15-249	6.0	5.0	4.0	5.0	MR	6.0	MS
169	M15-250	6.0	5.0	8.0	6.3	MS	5.0	MR
170	M15-251	3.0	6.0	5.0	4.7	MR	6.0	MS
171	M15-252	7.0	5.0	5.0	5.7	MS	8.0	S
172	M15-254	5.0	6.0	7.0	6.0	MS	8.0	S
173	M15-256	8.0	8.0	7.0	7.7	S	7.0	MS
174	M15-258	5.0	5.0	5.0	5.0	MR	8.0	S
175	M15-265	9.0	8.0	6.0	7.7	S	8.0	S
176	M15-272	6.0	5.0	3.0	4.7	MR	7.0	MS
177	M15-274	7.0	6.0	4.0	5.7	MS	5.0	MR
178	M15-277	3.0	6.0	4.0	4.3	MR	3.0	R
179	M15-282	5.0	5.0	5.0	5.0	MR	9.0	S
180	M15-283	5.0	4.0	7.0	5.3	MS	8.0	S
181	M15-284	9.0	4.0	4.0	5.7	MS	4.0	MR
182	M15-287	6.0	7.0	4.0	5.7	MS	6.0	MS
183	M15-288	5.0	5.0	4.0	4.7	MR	5.0	MR
184	M15-289	3.0	7.0	6.0	5.3	MS	7.0	MS
185	M15-290	4.0	4.0	6.0	4.7	MR	7.0	MS
186	M15-291	3.0	5.0	5.0	4.3	MR	5.0	MR
187	M15-292	6.0	7.0	7.0	6.7	MS	6.0	MS
188	M15-293	2.0	4.0	5.0	3.7	MR	5.0	MR
189	M15-295	2.0	4.0	4.0	3.3	MR	5.0	MR
190	M15-296	2.0	6.0	4.0	4.0	MR	4.0	MR
191	M15-297	5.0	5.0	7.0	5.7	MS	8.0	S
192	M15-298	4.0	5.0	6.0	5.0	MR	9.0	S
193	M15-299	3.0	8.0	4.0	5.0	MR	5.0	MR
194	M15-300	3.0	8.0	8.0	6.3	MS	8.0	S
195	M15-301	4.0	5.0	4.0	4.3	MR	5.0	MR
196	M15-302	3.0	7.0	3.0	4.3	MR	3.0	R
197	M15-303	2.0	4.0	4.0	3.3	MR	8.0	S
198	M15-304	5.0	4.0	4.0	4.3	MR	6.0	MS
199	M15-305	7.0	9.0	3.0	6.3	MS	6.0	MS
200	M15-306	7.0	6.0	5.0	6.0	MS	8.0	S
201	M15-307	5.0	7.0	5.0	5.7	MS	7.0	MS
202	M15-308	6.0	7.0	7.0	6.7	MS	9.0	S
203	M15-309	2.0	5.0	4.0	3.7	MR	9.0	S
204	M15-310	2.0	9.0	7.0	6.0	MS	8.0	S
205	M15-311	3.0	4.0	4.0	3.7	MR	7.0	MS
206	M15-312	1.0	6.0	4.0	3.7	MR	7.0	MS
207	M15-313	3.0	8.0	4.0	5.0	MR	5.0	MR
208	M15-314	6.0	4.0	5.0	5.0	MR	6.0	MS
209	M15-315	5.0	5.0	3.0	4.3	MR	5.0	MR

Contd.

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Table 13.

S. No.	Inbred lines	Maydis leaf blight (1-9)						
		NWPZ					NEPZ	
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	Reaction
210	M15-316	3.0	5.0	7.0	5.0	MR	7.0	MS
211	M15-317	4.0	5.0	6.0	5.0	MR	9.0	S
212	M15-318	4.0	6.0	4.0	4.7	MR	6.0	MS
213	M15-319	5.0	9.0	7.0	7.0	MS	8.0	S
214	M15-320	3.0	4.0	3.0	3.3	MR	6.0	MS
215	M15-321	7.0	7.0	7.0	7.0	MS	9.0	S
216	M15-323	7.0	6.0	7.0	6.7	MS	7.0	MS
217	M15-324	3.0	9.0	5.0	5.7	MS	5.0	MR
218	M15-325	3.0	9.0	3.0	5.0	MR	7.0	MS
Ch. 1	BML 10	-	5.0	5.0	5.0	MR	-	-
Ch. 2	DML 242-1	-	5.0	5.0	5.0	MR	-	-
	Sus. Check	-	7.0	7.3	7.2	S	9.0	S

Sus. Check:- CM 600 (Karnal); 7157-1-2 (Ludhiana); CML 186 (Dholi)

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Table 14. Screening of Mapping Population (M-16) against MLB

S. No.	Inbred lines	Maydis leaf blight (1-9)						
		NWPZ					NEPZ	
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	Reaction
1	M16-1	6.0	5.0	7.0	6.0	MS	8.0	S
2	M16-2	7.0	6.0	7.0	6.7	MS	9.0	S
3	M16-3	5.0	4.0	6.0	5.0	MR	7.0	MS
4	M16-4	4.0	1.0	6.0	3.7	MR	8.0	S
5	M16-5	6.0	4.0	8.0	6.0	MS	8.0	S
6	M16-6	3.0	1.0	6.0	3.3	MR	6.0	MS
7	M16-7	4.0	1.0	6.0	3.7	MR	6.0	MS
8	M16-8	7.0	6.0	7.0	6.7	MS	9.0	S
9	M16-9	3.0	4.0	3.0	3.3	MR	7.0	MS
10	M16-10	2.0	5.0	4.0	3.7	MR	6.0	MS
11	M16-11	4.0	5.0	8.0	5.7	MS	7.0	MS
12	M16-13	6.0	5.0	8.0	6.3	MS	NG	-
13	M16-14	5.0	6.0	8.0	6.3	MS	6.0	MS
14	M16-15	6.0	6.0	8.0	6.7	MS	NG	-
15	M16-16	4.0	6.0	8.0	6.0	MS	9.0	S
16	M16-18	3.0	7.0	8.0	6.0	MS	9.0	S
17	M16-20	3.0	7.0	7.0	5.7	MS	8.0	S
18	M16-21	3.0	6.0	6.0	5.0	MR	5.0	MR
19	M16-23	5.0	6.0	5.0	5.3	MS	8.0	S
20	M16-24	6.0	6.0	8.0	6.7	MS	7.0	MS
21	M16-26	7.0	6.0	7.0	6.7	MS	6.0	MS
22	M16-27	4.0	8.0	8.0	6.7	MS	8.0	S
23	M16-28	6.0	7.0	7.0	6.7	MS	9.0	S
24	M16-29	6.0	8.0	8.0	7.3	S	6.0	MS
25	M16-30	5.0	8.0	7.0	6.7	MS	7.0	MS
26	M16-31	7.0	6.0	6.0	6.3	MS	5.0	MR
27	M16-32	6.0	6.0	6.0	6.0	MS	5.0	MR
28	M16-33	5.0	5.0	7.0	5.7	MS	8.0	S
29	M16-34	6.0	6.0	6.0	6.0	MS	8.0	S
30	M16-35	6.0	7.0	6.0	6.3	MS	9.0	S
31	M16-36	5.0	5.0	5.0	5.0	MR	6.0	MS
32	M16-37	4.0	6.0	5.0	5.0	MR	6.0	MS
33	M16-38	5.0	5.0	3.0	4.3	MR	5.0	MR
34	M16-39	6.0	9.0	8.0	7.7	S	8.0	S
35	M16-41	7.0	9.0	8.0	8.0	S	8.0	S
36	M16-42	4.0	4.0	3.0	3.7	MR	7.0	MS
37	M16-43	3.0	5.0	4.0	4.0	MR	7.0	MS
38	M16-44	4.0	5.0	4.0	4.3	MR	9.0	S
39	M16-45	9.0	4.0	6.0	6.3	MS	6.0	MS
40	M16-46	6.0	5.0	3.0	4.7	MR	NG	-
41	M16-47	7.0	4.0	3.0	4.7	MR	7.0	MS
42	M16-50	6.0	5.0	4.0	5.0	MR	8.0	S

Contd.

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Table 14.

S. No.	Inbred lines	Maydis leaf blight (1-9)						
		NWPZ					NEPZ	
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	Reaction
43	M16-51	6.0	5.0	3.0	4.7	MR	5.0	MR
44	M16-53	5.0	6.0	7.0	6.0	MS	9.0	S
45	M16-55	5.0	5.0	5.0	5.0	MR	5.0	MR
46	M16-56	6.0	5.0	4.0	5.0	MR	5.0	MR
47	M16-58	6.0	6.0	7.0	6.3	MS	7.0	MS
48	M16-59	5.0	6.0	5.0	5.3	MS	7.0	MS
49	M16-60	3.0	5.0	3.0	3.7	MR	9.0	S
50	M16-63	3.0	5.0	3.0	3.7	MR	8.0	S
51	M16-64	5.0	5.0	6.0	5.3	MS	6.0	MS
52	M16-65	3.0	5.0	5.0	4.3	MR	8.0	S
53	M16-66	4.0	6.0	5.0	5.0	MR	7.0	MS
54	M16-67	3.0	5.0	5.0	4.3	MR	9.0	S
55	M16-70	5.0	5.0	7.0	5.7	MS	9.0	S
56	M16-71	6.0	5.0	6.0	5.7	MS	7.0	MS
57	M16-72	5.0	3.0	4.0	4.0	MR	6.0	MS
58	M16-73	5.0	5.0	6.0	5.3	MS	8.0	S
59	M16-75	4.0	5.0	5.0	4.7	MR	8.0	S
60	M16-76	4.0	4.0	4.0	4.0	MR	3.0	R
61	M16-77	6.0	5.0	6.0	5.7	MS	8.0	S
62	M16-78	7.0	5.0	4.0	5.3	MS	5.0	MR
63	M16-79	6.0	4.0	4.0	4.7	MR	3.0	R
64	M16-80	6.0	6.0	7.0	6.3	MS	8.0	S
65	M16-81	4.0	1.0	7.0	4.0	MR	9.0	S
66	M16-82	7.0	6.0	8.0	7.0	MS	NG	-
67	M16-83	2.0	5.0	3.0	3.3	MR	8.0	S
68	M16-84	6.0	1.0	4.0	3.7	MR	7.0	MS
69	M16-85	6.0	1.0	5.0	4.0	MR	6.0	MS
70	M16-86	5.0	1.0	6.0	4.0	MR	8.0	S
71	M16-88	5.0	1.0	4.0	3.3	MR	9.0	S
72	M16-89	5.0	1.0	5.0	3.7	MR	7.0	MS
73	M16-90	5.0	1.0	4.0	3.3	MR	7.0	MS
74	M16-91	5.0	1.0	8.0	4.7	MR	7.0	MS
75	M16-92	4.0	5.0	7.0	5.3	MS	9.0	S
76	M16-93	3.0	7.0	8.0	6.0	MS	9.0	S
77	M16-94	4.0	6.0	5.0	5.0	MR	9.0	S
78	M16-95	4.0	1.0	5.0	3.3	MR	6.0	MS
79	M16-96	3.0	5.0	4.0	4.0	MR	6.0	MS
80	M16-97	2.0	5.0	5.0	4.0	MR	7.0	MS
81	M16-98	2.0	5.0	8.0	5.0	MR	8.0	S
82	M16-99	2.0	5.0	5.0	4.0	MR	8.0	S
83	M16-101	4.0	7.0	4.0	5.0	MR	9.0	S
84	M16-102	2.0	5.0	5.0	4.0	MR	9.0	S
85	M16-103	2.0	5.0	5.0	4.0	MR	8.0	S

Contd.

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Table 14.

S. No.	Inbred lines	Maydis leaf blight (1-9)						
		NWPZ					NEPZ	
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	Reaction
86	M16-104	4.0	4.0	3.0	3.7	MR	3.0	R
87	M16-105	3.0	5.0	4.0	4.0	MR	5.0	MR
88	M16-106	5.0	6.0	6.0	5.7	MS	6.0	MS
89	M16-107	3.0	4.0	5.0	4.0	MR	8.0	S
90	M16-108	6.0	4.0	4.0	4.7	MR	8.0	S
91	M16-110	3.0	5.0	4.0	4.0	MR	9.0	S
92	M16-111	3.0	7.0	6.0	5.3	MS	9.0	S
93	M16-113	6.0	6.0	8.0	6.7	MS	6.0	MS
94	M16-114	5.0	6.0	7.0	6.0	MS	8.0	S
95	M16-115	3.0	5.0	7.0	5.0	MR	8.0	S
96	M16-117	3.0	6.0	6.0	5.0	MR	6.0	MS
97	M16-118	3.0	5.0	8.0	5.3	MS	8.0	S
98	M16-119	3.0	4.0	3.0	3.3	MR	8.0	S
99	M16-120	3.0	7.0	7.0	5.7	MS	8.0	S
100	M16-121	4.0	8.0	8.0	6.7	MS	8.0	S
101	M16-122	5.0	6.0	7.0	6.0	MS	5.0	MR
102	M16-123	6.0	7.0	7.0	6.7	MS	6.0	MS
103	M16-124	6.0	5.0	7.0	6.0	MS	7.0	MS
104	M16-125	6.0	5.0	8.0	6.3	MS	5.0	MR
105	M16-127	6.0	4.0	6.0	5.3	MS	8.0	S
106	M16-128	5.0	5.0	5.0	5.0	MR	7.0	MS
107	M16-129	3.0	4.0	4.0	3.7	MR	5.0	MR
108	M16-130	5.0	6.0	4.0	5.0	MR	6.0	MS
109	M16-131	7.0	5.0	6.0	6.0	MS	8.0	S
110	M16-132	6.0	5.0	7.0	6.0	MS	7.0	MS
111	M16-134	5.0	4.0	7.0	5.3	MS	9.0	S
112	M16-135	5.0	6.0	5.0	5.3	MS	9.0	S
113	M16-136	7.0	8.0	7.0	7.3	S	9.0	S
114	M16-139	6.0	7.0	8.0	7.0	MS	8.0	S
115	M16-140	7.0	8.0	7.0	7.3	S	8.0	S
116	M16-141	7.0	7.0	7.0	7.0	MS	9.0	S
117	M16-142	7.0	7.0	7.0	7.0	MS	9.0	S
118	M16-143	9.0	8.0	6.0	7.7	S	6.0	MS
119	M16-144	6.0	6.0	5.0	5.7	MS	8.0	S
120	M16-145	7.0	6.0	4.0	5.7	MS	7.0	MS
121	M16-146	3.0	8.0	7.0	6.0	MS	7.0	MS
122	M16-147	6.0	7.0	7.0	6.7	MS	8.0	S
123	M16-148	7.0	6.0	6.0	6.3	MS	5.0	MR
124	M16-150	3.0	6.0	4.0	4.3	MR	5.0	MR
125	M16-151	8.0	6.0	4.0	6.0	MS	6.0	MS
126	M16-152	4.0	6.0	7.0	5.7	MS	9.0	S
127	M16-154	4.0	7.0	NG	5.5	MS	9.0	S
128	M16-155	3.0	5.0	3.0	3.7	MR	5.0	MR

Contd.

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Table 14.

S. No.	Inbred lines	Maydis leaf blight (1-9)						
		NWPZ					NEPZ	
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	Reaction
129	M16-156	3.0	5.0	3.0	3.7	MR	NG	-
130	M16-157	3.0	6.0	4.0	4.3	MR	8.0	S
131	M16-159	4.0	4.0	4.0	4.0	MR	5.0	MR
132	M16-160	4.0	4.0	5.0	4.3	MR	7.0	MS
133	M16-161	3.0	3.0	7.0	4.3	MR	8.0	S
134	M16-162	4.0	3.0	4.0	3.7	MR	7.0	MS
135	M16-163	4.0	4.0	4.0	4.0	MR	3.0	R
136	M16-165	4.0	3.0	3.0	3.3	MR	7.0	MS
137	M16-166	5.0	4.0	3.0	4.0	MR	5.0	MR
138	M16-167	6.0	5.0	4.0	5.0	MR	6.0	MS
139	M16-168	5.0	4.0	5.0	4.7	MR	9.0	S
140	M16-170	2.0	6.0	3.0	3.7	MR	9.0	S
141	M16-171	3.0	5.0	7.0	5.0	MR	9.0	S
142	M16-172	3.0	6.0	5.0	4.7	MR	3.0	R
143	M16-173	3.0	5.0	8.0	5.3	MS	3.0	R
144	M16-176	3.0	9.0	6.0	6.0	MS	7.0	MS
145	M16-177	4.0	5.0	8.0	5.7	MS	8.0	S
146	M16-178	5.0	7.0	7.0	6.3	MS	7.0	MS
147	M16-179	7.0	6.0	7.0	6.7	MS	7.0	MS
148	M16-180	6.0	8.0	7.0	7.0	MS	8.0	S
149	M16-181	6.0	7.0	7.0	6.7	MS	6.0	MS
150	M16-184	3.0	8.0	8.0	6.3	MS	9.0	S
151	M16-185	4.0	6.0	7.0	5.7	MS	9.0	S
152	M16-187	3.0	7.0	7.0	5.7	MS	7.0	MS
153	M16-188	4.0	5.0	6.0	5.0	MR	7.0	MS
154	M16-190	6.0	7.0	5.0	6.0	MS	6.0	MS
155	M16-191	4.0	8.0	8.0	6.7	MS	8.0	S
156	M16-192	5.0	6.0	7.0	6.0	MS	6.0	MS
157	M16-193	4.0	5.0	4.0	4.3	MR	6.0	MS
158	M16-194	5.0	5.0	6.0	5.3	MS	6.0	MS
159	M16-195	5.0	7.0	7.0	6.3	MS	7.0	MS
160	M16-198	5.0	4.0	6.0	5.0	MR	5.0	MR
161	M16-199	7.0	3.0	4.0	4.7	MR	7.0	MS
162	M16-200	5.0	5.0	3.0	4.3	MR	3.0	R
163	M16-201	3.0	4.0	4.0	3.7	MR	6.0	MS
164	M16-202	6.0	3.0	6.0	5.0	MR	3.0	R
165	M16-203	5.0	6.0	4.0	5.0	MR	3.0	R
166	M16-205	5.0	7.0	8.0	6.7	MS	7.0	MS
167	M16-206	5.0	6.0	6.0	5.7	MS	7.0	MS
168	M16-207	4.0	6.0	4.0	4.7	MR	7.0	MS
169	M16-208	8.0	7.0	8.0	7.7	S	9.0	S
170	M16-209	5.0	8.0	6.0	6.3	MS	9.0	S
171	M16-210	6.0	7.0	7.0	6.7	MS	9.0	S

Contd.

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Table 14.

S. No.	Inbred lines	Maydis leaf blight (1-9)						
		NWPZ					NEPZ	
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	Reaction
172	M16-211	7.0	6.0	7.0	6.7	MS	NG	-
173	M16-212	5.0	6.0	6.0	5.7	MS	3.0	R
174	M16-213	6.0	8.0	7.0	7.0	MS	6.0	MS
175	M16-214	6.0	4.0	7.0	5.7	MS	7.0	MS
176	M16-215	6.0	3.0	7.0	5.3	MS	8.0	S
177	M16-216	6.0	5.0	8.0	6.3	MS	8.0	S
178	M16-217	5.0	7.0	5.0	5.7	MS	5.0	MR
179	M16-218	5.0	8.0	5.0	6.0	MS	6.0	MS
180	M16-219	4.0	5.0	8.0	5.7	MS	8.0	S
181	M16-221	5.0	4.0	7.0	5.3	MS	8.0	S
182	M16-223	7.0	4.0	5.0	5.3	MS	7.0	MS
183	M16-225	6.0	4.0	3.0	4.3	MR	7.0	MS
184	M16-227	5.0	5.0	4.0	4.7	MR	7.0	MS
185	M16-228	7.0	4.0	4.0	5.0	MR	8.0	S
186	M16-229	7.0	5.0	3.0	5.0	MR	6.0	MS
187	M16-230	3.0	8.0	4.0	5.0	MR	3.0	R
188	M16-231	7.0	5.0	4.0	5.3	MS	8.0	S
189	M16-232	7.0	5.0	5.0	5.7	MS	8.0	S
190	M16-233	7.0	5.0	4.0	5.3	MS	9.0	S
191	M16-234	3.0	4.0	6.0	4.3	MR	9.0	S
192	M16-235	4.0	1.0	7.0	4.0	MR	6.0	MS
193	M16-236	7.0	1.0	6.0	4.7	MR	6.0	MS
194	M16-237	5.0	1.0	8.0	4.7	MR	8.0	S
195	M16-238	4.0	1.0	7.0	4.0	MR	8.0	S
196	M16-240	4.0	1.0	7.0	4.0	MR	7.0	MS
197	M16-241	7.0	6.0	6.0	6.3	MS	8.0	S
198	M16-242	7.0	5.0	3.0	5.0	MR	8.0	S
199	M16-243	3.0	4.0	6.0	4.3	MR	3.0	R
200	M16-244	3.0	6.0	5.0	4.7	MR	6.0	MS
201	M16-245	4.0	5.0	8.0	5.7	MS	8.0	S
202	M16-246	5.0	6.0	4.0	5.0	MR	7.0	MS
203	M16-247	4.0	6.0	4.0	4.7	MR	5.0	MR
204	M16-248	7.0	8.0	5.0	6.7	MS	6.0	MS
205	M16-249	3.0	5.0	6.0	4.7	MR	6.0	MS
206	M16-250	9.0	6.0	5.0	6.7	MS	6.0	MS
207	M16-251	6.0	5.0	4.0	5.0	MR	5.0	MR
208	M16-252	4.0	4.0	5.0	4.3	MR	9.0	S
209	M16-253	4.0	4.0	6.0	4.7	MR	9.0	S
210	M16-254	5.0	5.0	5.0	5.0	MR	7.0	MS
211	M16-255	3.0	4.0	5.0	4.0	MR	5.0	MR
212	M16-256	9.0	5.0	6.0	6.7	MS	8.0	S
213	M16-257	9.0	4.0	4.0	5.7	MS	3.0	R
214	M16-258	8.0	5.0	3.0	5.3	MS	5.0	MR

Contd.

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Table 14.

S. No.	Inbred lines	Maydis leaf blight (1-9)						
		NWPZ					NEPZ	
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	Reaction
215	M16-259	3.0	4.0	3.0	3.3	MR	5.0	MR
216	M16-260	9.0	5.0	3.0	5.7	MS	6.0	MS
217	M16-261	3.0	6.0	6.0	5.0	MR	7.0	MS
218	M16-262	6.0	5.0	4.0	5.0	MR	7.0	MS
219	M16-263	7.0	5.0	4.0	5.3	MS	8.0	S
220	M16-264	5.0	4.0	6.0	5.0	MR	8.0	S
221	M16-265	4.0	6.0	6.0	5.3	MS	9.0	S
222	M16-266	2.0	5.0	5.0	4.0	MR	3.0	R
223	M16-267	3.0	7.0	7.0	5.7	MS	8.0	S
224	M16-268	7.0	8.0	8.0	7.7	S	7.0	MS
225	M16-269	7.0	7.0	7.0	7.0	MS	7.0	MS
226	M16-270	4.0	6.0	7.0	5.7	MS	5.0	MR
227	M16-271	4.0	6.0	7.0	5.7	MS	9.0	S
228	M16-272	7.0	5.0	7.0	6.3	MS	6.0	MS
229	M16-273	7.0	7.0	6.0	6.7	MS	6.0	MS
230	M16-274	7.0	6.0	6.0	6.3	MS	5.0	MR
231	M16-275	6.0	6.0	4.0	5.3	MS	3.0	R
232	M16-276	7.0	6.0	6.0	6.3	MS	7.0	MS
233	M16-277	4.0	4.0	5.0	4.3	MR	9.0	S
234	M16-278	5.0	6.0	6.0	5.7	MS	9.0	S
235	M16-279	4.0	5.0	7.0	5.3	MS	5.0	MR
236	M16-280	4.0	5.0	6.0	5.0	MR	5.0	MR
237	M16-281	3.0	5.0	3.0	3.7	MR	6.0	MS
238	M16-282	4.0	4.0	5.0	4.3	MR	6.0	MS
239	M16-283	4.0	5.0	8.0	5.7	MS	8.0	S
240	M16-284	5.0	6.0	8.0	6.3	MS	7.0	MS
241	M16-286	3.0	5.0	6.0	4.7	MR	3.0	R
242	M16-287	7.0	8.0	6.0	7.0	MS	7.0	MS
243	M16-288	3.0	5.0	4.0	4.0	MR	5.0	MR
244	M16-289	7.0	5.0	6.0	6.0	MS	6.0	MS
245	M16-291	7.0	4.0	6.0	5.7	MS	9.0	S
246	M16-292	3.0	5.0	5.0	4.3	MR	7.0	MS
247	M16-293	9.0	5.0	6.0	6.7	MS	7.0	MS
248	M16-294	7.0	8.0	6.0	7.0	MS	8.0	S
249	M16-295	6.0	6.0	7.0	6.3	MS	7.0	MS
250	M16-296	5.0	7.0	8.0	6.7	MS	6.0	MS
251	M16-297	5.0	4.0	4.0	4.3	MR	5.0	MR
252	M16-298	7.0	7.0	5.0	6.3	MS	7.0	MS
253	M16-299	6.0	6.0	7.0	6.3	MS	7.0	MS
254	M16-300	6.0	6.0	5.0	5.7	MS	5.0	MR
255	M16-301	6.0	7.0	5.0	6.0	MS	5.0	MR
256	M16-302	6.0	5.0	5.0	5.3	MS	6.0	MS
257	M16-303	4.0	1.0	6.0	3.7	MR	8.0	S

Contd.

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Table 14.

S. No.	Inbred lines	Maydis leaf blight (1-9)						
		NWPZ					NEPZ	
		DELH	KARN	LUDH	Av. Score	Reaction	DHOL	Reaction
258	M16-304	4.0	4.0	6.0	4.7	MR	8.0	S
259	M16-305	6.0	6.0	7.0	6.3	MS	6.0	MS
260	M16-306	6.0	5.0	6.0	5.7	MS	7.0	MS
261	M16-307	8.0	7.0	6.0	7.0	MS	7.0	MS
262	M16-308	6.0	5.0	4.0	5.0	MR	7.0	MS
263	M16-309	4.0	8.0	8.0	6.7	MS	6.0	MS
264	M16-310	4.0	5.0	4.0	4.3	MR	3.0	R
265	M16-311	4.0	7.0	7.0	6.0	MS	9.0	S
266	M16-312	5.0	6.0	7.0	6.0	MS	5.0	MR
267	M16-313	4.0	8.0	8.0	6.7	MS	9.0	S
268	M16-314	5.0	6.0	4.0	5.0	MR	9.0	S
269	M16-315	3.0	5.0	6.0	4.7	MR	NG	-
270	M16-316	3.0	3.0	4.0	3.3	MR	8.0	S
271	M16-317	6.0	4.0	4.0	4.7	MR	7.0	MS
272	M16-318	3.0	6.0	3.0	4.0	MR	8.0	S
273	M16-319	4.0	4.0	7.0	5.0	MR	8.0	S
274	M16-320	6.0	7.0	3.0	5.3	MS	8.0	S
275	M16-321	3.0	6.0	7.0	5.3	MS	5.0	MR
276	M16-323	6.0	6.0	5.0	5.7	MS	6.0	MS
277	M16-324	3.0	4.0	7.0	4.7	MR	8.0	S
Ch. 1	BML 10	-	5.0	5.7	5.4	MS	-	-
Ch. 2	DML 242-1	-	3.0	5.7	4.4	MR	-	-
	Sus. Check	-	7.0	7.7	7.4	S	9.0	S

Sus. Check:- CML 186 (Dholi); CM 600 (Karnal, Ludhiana)

Table 15. Disease phenotyping trails for major diseases of maize

S. No.	Genotype	Maydis leaf blight (1-9)				
		NWPZ				
		DELH	KARN	LUDH	Av. Score	Reaction
1	VH113021F2-2-1-3-1-1-1-2#	6.5	4.5	5.0	5.3	MS
2	VH112993F2-1-3-2-1-1-1-2#	6.5	5.5	2.5	4.8	MR
3	VH12203F2-2-1-3-1-1-1-1#	5.5	5.5	3.0	4.7	MR
4	VH112650F2-3-1-2-1-1-1-1	6.0	3.5	5.0	4.8	MR
5	VH12278F2-1-2-3-1-1-1-1#	5.0	7.0	3.0	5.0	MR
6	VH12196F2-3-5-1-2-1-1-2#	6.0	4.0	2.5	4.2	MR
7	VH12137F2-1-5-2-3-1-1-1#	5.0	6.0	4.5	5.2	MS
8	VH101418F2-2-1-2-1-1-1-2#	6.5	7.5	3.5	5.8	MS
9	ZH115969F2-2-2-2-1-2-1-2#	5.5	4.5	3.0	4.3	MR
10	VH112537F2-2-4-3-1-1-1-2#	6.5	4.0	2.5	4.3	MR
11	CP838F2-17-1-1-4-2-1-1#	3.0	3.0	2.5	2.8	R
12	Bio-9637F2-7-1-1-2-1-1-2#	5.0	6.5	4.5	5.3	MS
13	HQPM-1F2-26-8-1-1-1-1-1-2#	5.5	4.5	2.0	4.0	MR
14	Bio-9681F2-14-1-1-1-1-1-2#	5.0	5.5	3.0	4.5	MR
15	900MGF2-41-1-1-3-1-1-2#	6.5	6.0	3.5	5.3	MS
16	NK6240F2-5-1-1-2-1-1-1#	6.5	6.0	4.0	5.5	MS
17	30V92F2-11-2-2-1-1-1-1#	5.5	5.0	2.5	4.3	MR
18	WNC-19207-2-1-1-2-1-1-2#	5.0	6.5	2.5	4.7	MR
19	VL1016173-2-1-1-2	6.0	6.5	8.0	6.8	MS
20	VL109081-1-1-1-1	7.5	4.5	3.5	5.2	MS
21	ZL14475-2-1-1-1	6.7	5.0	3.0	4.9	MR
22	ZL11431-1-1-1-1	6.0	5.5	2.0	4.5	MR
23	VL1043-2-1-1-2	4.0	5.0	2.5	3.8	MR
24	VL1018391-2-1-1-2-2-1#	5.0	4.0	4.5	4.5	MR
25	ZL11884-1-1-1-1-2#	6.0	5.5	3.5	5.0	MR
26	VH12285F2-2-3-1-1-1-1-1#	4.0	5.0	3.5	4.2	MR
27	ZH112705F2-2-2-1-2-1#-1-1	5.5	8.5	7.0	7.0	MS
28	ZH111658F2-1-2-1-2-1#-1-1	5.5	7.5	5.5	6.2	MS
29	VH12212F2-2-2-1-1-1#-1-2	3.5	6.0	3.5	4.3	MR
30	ZH112698F2-2-2-1-1-1#-1-2	6.5	7.5	3.5	5.8	MS
31	VH12207F2-1-1-1-1-1#-1-2	6.5	7.0	5.0	6.2	MS
32	ZH112700F2-2-2-1-1-1#-1-1	6.0	4.0	3.0	4.3	MR
33	ZH112634F2-2-2-2-1-1#-1-2	4.5	4.5	2.5	3.8	MR
34	VH1248F2-2-2-2-1-1#-1-2	6.5	5.0	3.0	4.8	MR
35	VH112948F2-2-2-1-1-1#-1-2	7.0	8.0	4.0	6.3	MS
36	ZH112622F2-1-2-1-1-1#-1-2	6.5	9.0	7.5	7.7	S
37	VH112933F2-1-2-1-1-1#-1-1	6.5	5.5	4.0	5.3	MS
38	VH11152F2-1-2-1-1-2#-1-1	4.0	6.0	2.5	4.2	MR
39	ZH116117F2-1-2-1-1-2#-1-1	4.5	2.5	3.5	3.5	MR
40	VH1275F2-1-2-1-1-1#-1-2	7.0	6.5	3.0	5.5	MS
41	VH12257F2-1-2-2-1-1#-1-2	4.0	3.5	3.5	3.7	MR
42	ZH112635F2-2-2-2-1-1#-1-1	4.5	5.5	3.5	4.5	MR

Contd.

Table 15.

S. No.	Genotype	Maydis leaf blight (1-9)				
		NWPZ				
		DELH	KARN	LUDH	Av. Score	Reaction
43	ZH115962F2-1-2-1-1-1#-1-1	5.0	5.5	3.5	4.7	MR
44	ZH12421F2-2-2-1-1-1#-1-1	7.3	6.0	3.0	5.4	MS
45	ZH111948F2-1-2-1-2-1#-1-1	5.7	5.0	4.5	5.1	MR
46	ZH12424F2-1-2-1-1-1#-1-1	5.5	4.5	3.5	4.5	MR
47	ZH12122F2-2-2-1-1-1#-1-2	5.0	6.0	3.0	4.7	MR
48	VH1215F2-1-1-1-1-1#-1-1	5.0	6.5	5.5	5.7	MS
49	VH1234F2-1-1-1-1-1#-1-1	7.0	6.0	2.5	5.2	MS
50	VH12277F2-2-2-1-1-2#-1-2	5.5	2.5	2.0	3.3	MR
51	VH12141F2-1-2-1-1-2#-1-1	5.5	4.5	2.5	4.2	MR
52	VH112650F2-1-2-1-1-1#-1-1	4.5	3.5	4.0	4.0	MR
53	ZH116132F2-2-2-1-1-1#-1-1	6.0	8.0	5.0	6.3	MS
54	VH113025F2-2-2-1-1-1#-1-2	5.0	8.0	5.0	6.0	MS
55	VH101495F2-2-2-1-1-1#-1-2	6.5	6.0	6.5	6.3	MS
56	VH12157F2-2-1-1-1-1#-1-2	6.5	5.5	3.0	5.0	MR
57	AH1222F2-2-2-1-1-1#-1-1	5.0	6.0	3.5	4.8	MR
58	VH1284F2-1-2-1-1-1#-2-1	5.5	6.0	3.5	5.0	MR
59	VH121043F2-2-2-1-2-2#-1-1	5.5	7.5	3.0	5.3	MS
60	VH1224F2-1-2-1-2-1#-1-2	5.5	4.5	3.0	4.3	MR
61	VH112995F2-1-2-1-1-1#-1-2	3.5	4.5	3.0	3.7	MR
62	VH112650F2-1-2-1-1-2#-1-1	5.5	5.5	7.0	6.0	MS
63	VH113027F2-2-2-1-1-2#-1-2	5.5	5.5	4.0	5.0	MR
64	VH112296F2-1-2-1-1-1#-1-2	6.5	5.0	2.5	4.7	MR
65	VH1230F2-1-2-1-1-2#-1-2	6.5	7.0	4.5	6.0	MS
66	VH112473F2-2-2-1-1-1#-1-1	4.5	5.0	3.0	4.2	MR
67	VH11130F2-2-1-1-1-1#-1-2	5.5	3.5	3.5	4.2	MR
68	ZH112687F2-1-2-1-1-1#-1-1	4.0	5.0	3.5	4.2	MR
69	VH101429F2-1-2-2-1-1#-1-2	6.0	5.0	3.0	4.7	MR
70	ZH112014F2-1-2-2-1-1#-1-1	6.0	4.0	3.0	4.3	MR
71	CP838F2-9-2-2-2-1#-1	5.5	7.5	4.5	5.8	MS
72	PinnacleF2-7-1-1-1-2#-1	6.0	6.5	3.5	5.3	MS
73	Pro4794F2-2-2-2-1-2#-1	6.0	5.5	2.5	4.7	MR
74	Pro4794F2-16-2-1-2-1#-1	4.0	6.5	3.0	4.5	MR
75	B9681F2-10-1-1-1-1#-1	6.0	6.0	5.0	5.7	MS
76	B9681F2-25-2-1-1-1#-1	5.5	7.0	5.0	5.8	MS
77	STK2324F2-10-2-1-1-1#-1	4.5	7.0	5.0	5.5	MS
78	P3785F2-10-2-1-2-1#-2	5.5	6.5	4.0	5.3	MS
79	900MGF2-22-2-1-1-1#-1	4.5	6.5	5.0	5.3	MS
80	NK6240F2-11-2-1-1-2#-1	7.0	7.0	4.5	6.2	MS
81	P3522F2-7-2-1-1-2#-1	7.0	6.5	6.0	6.5	MS
82	30V92F2-18-1-1-3-1-1-1#	6.0	4.5	2.5	4.3	MR
83	30V92F2-25-1-1-2-1#-1	7.5	8.5	4.5	6.8	MS
84	NPool37-5-1-2-1-1-1-2#	6.0	8.5	7.0	7.2	S
85	NPool41-1-1-1-1-1-1-1#	7.0	5.5	4.0	5.5	MS

Contd.

Table 15.

S. No.	Genotype	Maydis leaf blight (1-9)				
		NWPZ				
		DELH	KARN	LUDH	Av. Score	Reaction
86	NPool42-7-2-1-1-2-1-2#	6.0	4.0	3.5	4.5	MR
87	NPool43-1-1-1-1-1-1-2#	4.5	2.5	3.0	3.3	MR
88	NPool43-3-1-1-1-2-1-1#	6.5	7.0	6.0	6.5	MS
89	NPool44-2-2-1-2-1-1-1#	6.5	7.5	7.0	7.0	MS
90	NPool46-5-2-1-2-1-1-1#	6.0	6.0	4.0	5.3	MS
91	NPool47-1-1-1-1-1-1-2#	6.0	3.0	7.5	5.5	MS
92	NPool53-1-2-1-1-1-1-2#	4.0	7.5	4.5	5.3	MS
93	900MGF2-1-2-2-1-1-1#-2	7.5	7.5	6.5	7.2	S
94	SP-Red-2-1-1-1-2-1#	8.0	5.0	5.5	6.2	MS
95	SP-Red-2-2-1-2-1-1#	6.5	6.5	4.0	5.7	MS
96	SC-V1-2-1-1-2-1#-1	7.5	9.0	6.5	7.7	S
97	HKI-163-1-1-2-3-1-2-1#-1	3.5	6.0	3.5	4.3	MR
98	MPSATC-14-04-1-2-1-2-2#	6.0	6.0	4.0	5.3	MS
99	MPSATC-14-420-1-1-1-1-1#	3.5	4.5	4.0	4.0	MR
100	900MF2-1-1-2-1-2-1#	5.5	6.0	2.5	4.7	MR
101	900MF2-5-1-1-2-2-1#	5.0	3.0	3.0	3.7	MR
102	900MF2-7-1-1-1-2-1#	4.0	4.0	3.0	3.7	MR
103	Npool 13-1-2-1-2-3-2#	2.5	3.5	3.0	3.0	R
104	ZL12137-1-2-1-2-1-1#	7.0	7.5	5.0	6.5	MS
105	VL103-1-1-1-1-2-2#	6.0	6.0	3.0	5.0	MR
106	VL108880-1-2-2-1-1-1#	5.5	7.5	3.0	5.3	MS
107	VL1043-2-1-1-2	3.0	5.0	3.5	3.8	MR
108	VL1010856-2-1-1-2-2-1#	6.5	7.0	4.5	6.0	MS
109	VL105542-1-2-1-2-1-2#	6.5	9.0	7.0	7.5	S
110	VL108727-1-2-1-2-2-1#	6.0	6.5	3.5	5.3	MS
111	VL1018391-2-1-1-2-2-1#	5.0	4.5	4.0	4.5	MR
112	HY10RN-10235-270-2-2	4.0	3.5	4.5	4.0	MR
113	EC618234	3.5	5.5	5.0	4.7	MR
114	EC619101	4.5	4.5	4.0	4.3	MR
115	DLQ1018-A-1	6.5	5.5	4.0	5.3	MS
116	WNC11RMP847	7.0	8.0	7.0	7.3	S
117	BGS337	4.0	4.5	2.5	3.7	MR
118	4845	6.5	8.0	6.0	6.8	MS
119	Acc.No.524093	2.5	3.5	2.0	2.7	R
120	S99TLYQ-HG-AB*4-32-BBB-1	6.5	5.5	3.5	5.2	MS
121	CM117-3-4-1	4.5	5.5	3.0	4.3	MR
122	JCY2-1-2-1	4.0	3.5	2.0	3.2	MR
123	LM13	4.5	4.0	2.5	3.7	MR
124	PFSRR9	4.0	6.5	4.5	5.0	MR
125	JCS2-7ÄÄÄÄ	4.5	4.5	2.5	3.8	MR
126	EC646016	6.0	5.5	2.5	4.7	MR
127	NZBOPH	3.5	4.5	3.0	3.7	MR
128	5153	6.0	3.0	3.0	4.0	MR

Contd.

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Table 15.

S. No.	Genotype	Maydis leaf blight (1-9)				
		NWPZ				
		DELH	KARN	LUDH	Av. Score	Reaction
129	JCY3-7ÄÄÄÄ	6.0	2.0	2.5	3.5	MR
130	WNCDMR11R27290	5.0	6.5	2.5	4.7	MR
131	5023	6.0	6.5	7.0	6.5	MS
132	CM111'Zeadiploperennis'CM111	4.0	5.0	3.5	4.2	MR
133	PFSRR3ÄÄÄÄÄÄ	6.5	5.5	2.5	4.8	MR
134	CM111'Zeadiploperennis'CM111	2.5	3.1	3.0	2.9	R
135	S99TLYQ-HG-AB*4-32-BBB-1	5.5	3.0	2.5	3.7	MR
136	BLS42050-1	3.5	3.5	3.0	3.3	MR
137	EC672809	5.0	2.0	2.5	3.2	MR
138	GPM456	2.0	4.0	2.5	2.8	R
139	JCS060CH5	7.0	9.0	5.5	7.2	S
140	JCY2-2-4-1-1	4.0	4.0	2.5	3.5	MR
141	P72C1XBRASIL-2ÄÄÄÄÄÄÄÄ	4.5	3.5	2.5	3.5	MR
142	SarhadHSRB	5.0	4.5	3.0	4.2	MR
143	EC655729	6.0	5.0	3.0	4.7	MR
144	HQPM-7-4-2-1-1-1-2	6.0	6.5	4.5	5.7	MS
145	PFSR63	2.5	6.0	2.0	3.5	MR
146	JCY2-7-1-2-1-5B-1-4-3-1	4.5	4.5	3.5	4.2	MR
147	NN42050-1	6.5	2.5	2.0	3.7	MR
148	BGS686-1	6.5	5.0	4.5	5.3	MS
149	PFSR14-1-2	5.5	6.5	3.0	5.0	MR
150	4840	5.0	5.5	2.5	4.3	MR
151	CML420	5.5	4.5	3.0	4.3	MR
152	LM13	3.0	2.5	2.5	2.7	R
153	GPM456	6.0	5.0	2.0	4.3	MR
154	P6SC6-BBB-19-BBB--6-2	2.5	5.0	4.5	4.0	MR
155	(CA14502/CA14509)-F2-14-1-BBB-CML451-BBB-OPc14-S1	5.0	6.0	2.5	4.5	MR
156	Acc.No.563959	4.0	5.5	4.5	4.7	MR
157	CML269ÄÄÄÄ	4.5	4.5	2.0	3.7	MR
158	CML327	6.5	5.5	4.5	5.5	MS
159	EC619005	3.5	4.5	2.5	3.5	MR
160	NZB2012	5.0	4.0	2.5	3.8	MR
161	Temp x Trop (H0)QPMÄÄ	5.5	5.5	3.0	4.7	MR
162	5331	7.0	8.0	4.5	6.5	MS
163	Acc.No.524093	5.0	6.0	3.5	4.8	MR
164	HY10RN-10235-118-1-4	6.0	7.0	3.0	5.3	MS
165	JCS796CH8	3.5	5.0	3.0	3.8	MR
166	S99TLYQ-HG-AB*4-25-BBB-1	3.5	3.0	3.5	3.3	MR
167	SW92145-2P9S2-##-B*6-1-B-2-B*6	6.5	6.5	6.5	6.5	MS
168	Acc.No.470144	7.0	8.0	7.0	7.3	S

Contd.

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Table 15.

S. No.	Genotype	Maydis leaf blight (1-9)				
		NWPZ				
		DELH	KARN	LUDH	Av. Score	Reaction
169	GPM342	6.0	6.0	3.0	5.0	MR
170	4840	6.0	3.5	3.5	4.3	MR
171	CM117-3-2-1	6.0	5.5	3.0	4.8	MR
172	EC630409	5.5	7.0	5.5	6.0	MS
173	EC646016	4.0	4.5	3.5	4.0	MR
174	PFSR46	4.0	3.0	3.5	3.5	MR
175	E9G(OT)	4.0	4.0	2.0	3.3	MR
176	CM119	4.5	6.5	4.0	5.0	MR
177	LM9	5.0	6.0	5.0	5.3	MS
178	Hyd05R/13-2	7.0	4.5	6.0	5.8	MS
179	DMRPE6	6.5	4.0	2.5	4.3	MR
180	42048-2-2-1-1-2	3.5	7.5	3.0	4.7	MR
181	4975	5.5	6.0	3.5	5.0	MR
182	Pop31C4S5B-6-##-1-2-B*5-B1-BB-2-B*7	5.0	4.5	4.5	4.7	MR
183	ITINA004	5.5	8.0	5.5	6.3	MS
184	SafalX2#-7	5.0	5.0	2.0	4.0	MR
185	Krishna Gold#--5	4.5	2.5	3.5	3.5	MR
186	EC618228#-3	4.5	4.5	3.0	4.0	MR
187	S 6304	4.0	6.5	3.0	4.5	MR
188	S 6304	5.5	3.0	5.5	4.7	MR
189	DKC9106#-3	7.0	8.0	4.5	6.5	MS
190	Sun234#-3	4.0	2.5	2.5	3.0	R
191	Janhit5053#-2	8.0	7.0	5.0	6.7	MS
192	EC440415#-4	4.5	4.0	2.5	3.7	MR
193	Nirmal3662#-3	5.5	4.0	4.0	4.5	MR
194	704	5.0	7.5	5.0	5.8	MS
195	WNC10RNY4810#-2	6.0	5.5	3.0	4.8	MR
196	GEO2101#-4	6.0	6.0	3.5	5.2	MS
197	SuperGA105#-3	5.0	6.0	5.0	5.3	MS
198	Bio 688	6.0	5.0	4.0	5.0	MR
199	SafalX1#-3	5.5	5.5	5.5	5.5	MS
200	Bio 688	5.5	5.0	5.0	5.2	MS
201	704-4	5.0	6.0	2.0	4.3	MR
202	Bio 688	5.0	7.0	5.0	5.7	MS
203	SafalX1#	3.5	6.0	4.5	4.7	MR
204	EH2212#	5.0	4.0	2.0	3.7	MR
205	Bio 688-2	4.0	6.0	4.0	4.7	MR
206	DKC7074#-2	4.0	3.5	3.0	3.5	MR
207	Polo#-6	6.0	7.0	5.0	6.0	MS
208	Bio 688	5.0	6.0	5.0	5.3	MS
209	Acc No. 563953#-2	5.0	6.0	6.5	5.8	MS
210	Polo#-5	7.0	8.0	4.5	6.5	MS

Contd.

Table 15.

S. No.	Genotype	Maydis leaf blight (1-9)				
		NWPZ				
		DELH	KARN	LUDH	Av. Score	Reaction
211	Acc No. 551794#-3	7.0	4.5	6.0	5.8	MS
212	WNC10RNY5183#-4	6.0	6.5	4.5	5.7	MS
213	ZH112606F2-1-2-2-1-2-1	6.5	6.0	3.5	5.3	MS
214	VH112899F2-1-1-2-2-1-1	5.5	1.0	3.0	3.2	MR
215	ZH111448F2-2-1-1-2-1-1	6.5	8.0	7.0	7.2	S
216	VH112650F2-2-1-2-3-1-1	5.0	7.0	3.5	5.2	MS
217	VH1293F2-1-5-2-1-1-1	6.0	5.0	3.5	4.8	MR
218	ZH115969F2-2-2-2-1-2-1	6.5	6.5	4.0	5.7	MS
219	Pro4794F2-19-1-1-2-1-1	5.5	6.5	5.5	5.8	MS
220	P3522F2-19-1-1-2-1-1	7.5	8.0	4.0	6.5	MS
221	WNC-19207-2-1-1-2-1-1	6.0	5.0	3.0	4.7	MR
222	NPool74-1-2-1-1-1-1	5.5	7.0	4.5	5.7	MS
223	CP838-1-2-1-2-1	6.5	7.0	3.5	5.7	MS
224	900 M Gold-1-6-3-3-1-1-1	5.3	6.0	6.5	5.9	MS
225	QPM-23-1-1-1-1	6.5	8.0	6.5	7.0	MS
226	QPM-23-5-1-1	7.0	6.0	4.5	5.8	MS
227	Super 900 M-1-1-1-1-1	5.0	6.0	6.0	5.7	MS
228	NK-6240-N 09-163-1	5.5	6.5	3.5	5.2	MS
229	NK-6240-N 09-163-1	5.0	8.0	3.0	5.3	MS
230	UMI 1220	5.5	6.5	3.0	5.0	MR
231	P562	5.0	5.0	5.0	5.0	MR
232	BML5	5.5	3.5	6.0	5.0	MR
233	HQPM-4-13-2-3	7.0	7.0	3.5	5.8	MS
234	Jcy-2-7	4.5	4.5	3.0	4.0	MR
235	MRCHY4895-1	5.0	5.5	2.5	4.3	MR
236	MRCHY4839-1	4.5	4.5	2.5	3.8	MR
237	MRCHY5158-2	3.5	6.0	3.0	4.2	MR
238	HQPM-5	4.5	7.0	3.5	5.0	MR
239	900 M Gold-4-1-1-1-1	7.0	4.0	4.0	5.0	MR
240	CM132	6.0	7.5	4.5	6.0	MS
241	CML172	5.0	5.5	5.5	5.3	MS
242	CML141	6.0	6.0	2.5	4.8	MR
243	G18seqcef74-2-1	7.0	8.0	4.5	6.5	MS
244	LM13	5.5	5.0	5.0	5.2	MS
245	[CML327xCML287]F2-32-1-B*5-2-B*9	7.7	4.0	4.0	5.2	MS
246	EYSyn-B-#-1-B-1-B	5.0	6.0	3.5	4.8	MR
247	EYSyn-B-#-95-B-1-B	4.0	5.0	2.5	3.8	MR
248	MYSyn-A-#-26-B-1-B	6.0	5.5	5.0	5.5	MS
249	N 09-207-CIMMYT	6.5	2.5	2.5	3.8	MR
250	Ambikapur	5.5	4.5	3.5	4.5	MR
251	NN42050-1	6.0	4.0	3.0	4.3	MR
252	LMDR-1	3.5	4.0	2.0	3.2	MR

Contd.

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Table 15.

S. No. Genotype	Maydis leaf blight (1-9)				
	NWPZ				
	DELH	KARN	LUDH	Av. Score	Reaction
253 LMDR-10	7.0	1.0	6.5	4.8	MR
254 LMDR-11	4.3	6.0	3.5	4.6	MR
255 LMDR-2	3.5	1.0	3.5	2.7	R
256 LMDR-3	3.0	5.0	2.5	3.5	MR
257 LMDR-4	3.0	5.0	4.0	4.0	MR
258 LMDR-5	7.0	1.0	2.5	3.5	MR
259 LMDR-6	3.5	5.5	3.5	4.2	MR
260 LMDR-7	5.0	1.0	3.0	3.0	R
261 LMDR-8	5.0	3.5	4.0	4.2	MR
Res. Check	2.0	0.0	2.0	1.3	R
Sus. Check	9.0	8.0	8.0	8.3	S

Contd.

Res. Check:- CM 500 (Delhi); LM 13 (Ludhiana)

Sus. Check:- CM 501 (Delhi); CM 600 (Karnal, Ludhiana)

Table 15.

S. No.	Genotype	Maydis leaf blight (1-9)			
		NEPZ			
		DHOL	KALY	Av. Score	Reaction
1	HY10RN-10235-270-2-2	8.0	6.7	7.4	S
2	EC618234	8.0	8.1	8.1	S
3	EC619101	3.0	6.3	4.7	MR
4	DLQ1018-A-1	6.5	6.6	6.6	MS
5	WNC11RMP847	8.5	7.4	8.0	S
6	BGS337	4.5	8.3	6.4	MS
7	4845	8.5	5.8	7.2	S
8	Acc.No.524093	5.0	7.6	6.3	MS
9	S99TLYQ-HG-AB*4-32-BBB-1	8.5	6.5	7.5	S
10	CM117-3-4-1	4.0	7.0	5.5	MS
11	JCY2-1-2-1	4.5	6.5	5.5	MS
12	LM13	5.0	6.4	5.7	MS
13	PFSRR9	7.0	7.9	7.5	S
14	JCS2-7ÄÄÄÄ	5.0	7.1	6.1	MS
15	EC646016	3.0	8.3	5.7	MS
16	NZBOPH	5.0	7.3	6.2	MS
17	5153	5.0	6.8	5.9	MS
18	JCY3-7ÄÄÄÄ	5.0	7.8	6.4	MS
19	WNCDMR11R27290	5.5	7.0	6.3	MS
20	5023	5.0	6.4	5.7	MS
21	CM111'Zeadiploperennis'CM111	3.5	8.0	5.8	MS
22	PFSRR3ÄÄÄÄÄÄ	4.0	6.6	5.3	MS
23	CM111'Zeadiploperennis'CM111	6.0	6.9	6.5	MS
24	S99TLYQ-HG-AB*4-32-BBB-1	8.0	7.2	7.6	S
25	BLS42050-1	5.0	6.5	5.8	MS
26	EC672809	4.5	7.6	6.1	MS
27	GPM456	4.5	7.4	6.0	MS
28	JCS060CH5	7.5	6.6	7.1	MS
29	JCY2-2-4-1-1	4.0	7.2	5.6	MS
30	P72C1XBRASIL-2ÄÄÄÄÄÄÄÄ	6.5	6.5	6.5	MS
31	SarhadHSRB	6.5	7.8	7.2	S
32	EC655729	5.5	7.1	6.3	MS
33	HQPM-7-4-2-1-1-1-2	8.5	5.0	6.8	MS
34	PFSR63	4.0	6.4	5.2	MS
35	JCY2-7-1-2-1-5B-1-4-3-1	6.0	7.1	6.6	MS
36	NN42050-1	4.5	6.9	5.7	MS
37	BGS686-1	4.0	7.4	5.7	MS
38	PFSR14-1-2	6.5	7.1	6.8	MS
39	4840	5.5	7.3	6.4	MS
40	CML420	5.0	7.2	6.1	MS
41	LM13	6.0	6.3	6.2	MS

Contd.

Table 15.

S. No.	Genotype	Maydis leaf blight (1-9)			
		NEPZ			
		DHOL	KALY	Av. Score	Reaction
42	GPM456	6.0	6.8	6.4	MS
43	P6SC6-BBB-19-BBB--6-2	5.5	6.6	6.1	MS
44	(CA14502/CA14509)-F2-14-1-BBB-CML451-BBB-OPc14-S1	7.0	6.9	7.0	MS
45	Acc.No.563959	8.5	6.7	7.6	S
46	CML269ÄÄÄÄ	5.0	7.5	6.3	MS
47	CML327	8.0	7.7	7.9	S
48	EC619005	5.0	6.9	6.0	MS
49	NZB2012	4.5	7.3	5.9	MS
50	Temp x Trop (H0)QPMÄÄ	4.0	6.7	5.4	MS
51	5331	7.0	7.1	7.1	MS
52	Acc.No.524093	8.5	7.0	7.8	S
53	HY10RN-10235-118-1-4	9.0	7.3	8.2	S
54	JCS796CH8	6.0	7.0	6.5	MS
55	S99TLYQ-HG-AB*4-25-BBB-1	6.0	5.9	6.0	MS
56	SW92145-2P9S2-##-B*6-1-B-2-B*6	7.5	7.1	7.3	S
57	Acc.No.470144	8.0	6.2	7.1	MS
58	GPM342	5.0	8.2	6.6	MS
59	4840	7.0	6.2	6.6	MS
60	CM117-3-2-1	5.5	6.3	5.9	MS
61	EC630409	8.0	7.0	7.5	S
62	EC646016	6.0	6.5	6.3	MS
63	PFSR46	7.0	6.9	7.0	MS
64	E9G(OT)	6.0	7.1	6.6	MS
65	CM119	8.0	7.8	7.9	S
66	LM9	8.5	8.1	8.3	S
67	Hyd05R/13-2	7.5	6.7	7.1	MS
68	DMRPE6	7.0	5.3	6.2	MS
69	42048-2-2-1-1-1-2	7.5	6.9	7.2	S
70	4975	6.5	7.2	6.9	MS
71	Pop31C4S5B-6-##-1-2-B*5-B1-BB-2-B*7	7.0	7.1	7.1	MS
72	ITINA004	8.0	6.6	7.3	S
73	SafalX2#-7	7.0	7.8	7.4	S
74	Krishna Gold#--5	8.0	7.0	7.5	S
75	EC618228#-3	7.0	6.9	7.0	MS
76	S 6304	8.5	6.3	7.4	S
77	S 6304	6.5	7.0	6.8	MS
78	DKC9106#-3	8.5	6.6	7.6	S
79	Sun234#-3	5.0	7.8	6.4	MS
80	Janhit5053#-2	6.5	7.8	7.2	S
81	EC440415#-4	4.5	7.2	5.9	MS
82	Nirmal3662#-3	7.5	7.1	7.3	S

Contd.

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Table 15.

S. No.	Genotype	Maydis leaf blight (1-9)			
		NEPZ			
		DHOL	KALY	Av. Score	Reaction
83	704	7.5	7.0	7.3	S
84	WNC10RNY4810#-2	7.0	7.8	7.4	S
85	GEO2101#-4	8.0	7.1	7.6	S
86	SuperGA105#-3	8.5	6.2	7.4	S
87	Bio 688	6.0	8.1	7.1	MS
88	SafalX1#-3	8.0	6.9	7.5	S
89	Bio 688	7.5	7.8	7.7	S
90	704-4	5.0	7.7	6.4	MS
91	Bio 688	8.5	7.0	7.8	S
92	SafalX1#	7.5	6.8	7.2	S
93	EH2212#	4.5	5.6	5.1	MR
94	Bio 688-2	7.0	7.6	7.3	S
95	DKC7074#-2	8.0	6.6	7.3	S
96	Polo#-6	7.0	7.0	7.0	MS
97	Bio 688	7.5	4.9	6.2	MS
98	Acc No. 563953#-2	8.5	6.4	7.5	S
99	Polo#-5	8.5	6.9	7.7	S
100	Acc No. 551794#-3	8.5	6.5	7.5	S
101	WNC10RNY5183#-4	7.5	7.9	7.7	S
102	ZH112606F2-1-2-2-1-2-1	7.0	5.7	6.4	MS
103	VH112899F2-1-1-2-2-1-1	5.5	8.0	6.8	MS
104	ZH111448F2-2-1-1-2-1-1	8.5	6.8	7.7	S
105	VH112650F2-2-1-2-3-1-1	7.0	7.7	7.4	S
106	VH1293F2-1-5-2-1-1-1	5.5	6.2	5.9	MS
107	ZH115969F2-2-2-2-1-2-1	6.0	6.5	6.3	MS
108	Pro4794F2-19-1-1-2-1-1	8.5	8.0	8.3	S
109	P3522F2-19-1-1-2-1-1	8.0	5.9	7.0	MS
110	WNC-19207-2-1-1-2-1-1	4.5	8.3	6.4	MS
111	NPool74-1-2-1-1-1-1	8.0	7.1	7.6	S
112	CP838-1-2-1-2-1	8.5	7.5	8.0	S
113	900 M Gold-1-6-3-3-1-1-1	8.5	6.9	7.7	S
114	QPM-23-1-1-1-1	8.0	7.2	7.6	S
115	QPM-23-5-1-1	7.5	7.4	7.5	S
116	Super 900 M-1-1-1-1-1	7.0	6.9	7.0	MS
117	NK-6240-N 09-163-1	6.5	6.1	6.3	MS
118	NK-6240-N 09-163-1	5.5	6.4	6.0	MS
119	UMI 1220	4.0	7.6	5.8	MS
120	P562	5.0	6.4	5.7	MS
121	BML5	7.5	7.6	7.6	S
122	HQPM-4-13-2-3	8.0	6.1	7.1	MS
123	Jcy-2-7	3.0	7.8	5.4	MS
124	MRCHY4895-1	6.0	7.3	6.7	MS

Contd.

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Table 15.

S. No.	Genotype	Maydis leaf blight (1-9)			
		NEPZ			
		DHOL	KALY	Av. Score	Reaction
125	MRCHY4839-1	4.0	7.1	5.6	MS
126	MRCHY5158-2	6.5	8.3	7.4	S
127	HQPM-5	8.0	8.3	8.2	S
128	900 M Gold-4-1-1-1-1	8.5	6.2	7.4	S
129	CM132	7.5	6.4	7.0	MS
130	CML172	9.0	7.2	8.1	S
131	CML141	5.0	6.9	6.0	MS
132	G18seqcef74-2-1	8.5	7.7	8.1	S
133	LM13	7.5	7.4	7.5	S
134	[CML327xCML287]F2-32-1-B*5-2-B*9	5.5	7.2	6.4	MS
135	EYSyn-B-#-1-B-1-B	7.5	6.0	6.8	MS
136	EYSyn-B-#-95-B-1-B	5.5	7.6	6.6	MS
137	MYSyn-A-#-26-B-1-B	7.5	7.4	7.5	S
138	N 09-207-CIMMYT	3.5	7.3	5.4	MS
139	Ambikapur	8.0	7.4	7.7	S
140	NN42050-1	5.0	6.6	5.8	MS
141	LMDR-1	5.0	-	5.0	MR
142	LMDR-10	8.5	-	8.5	S
143	LMDR-11	-	-	-	-
144	LMDR-2	5.5	-	5.5	MS
145	LMDR-3	5.5	-	5.5	MS
146	LMDR-4	6.0	-	6.0	MS
147	LMDR-5	6.5	-	6.5	MS
148	LMDR-6	5.0	-	5.0	MR
149	LMDR-7	4.5	-	4.5	MR
150	LMDR-8	7.5	-	7.5	S
	Sus. Check	9.0	8.8	8.9	S

Contd.

Sus. Check:- CML 186 (Dholi); CM 600 (Kalyani)

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Table 15.

S. No.	Genotype	Turicum leaf blight (1-9)							
		NHZ				PZ			
		ALMO	BAJA	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
1	ZH114207F2-1-2-1-2-1-1-1-1#	3.0	2.0	2.5	R	5.0	1.0	3.0	R
2	VH101421F2-1-2-1-1-2-1-2#	7.0	7.0	7.0	MS	4.5	6.5	5.5	MS
3	VH112450F2-1-2-1-2-1-1-1-1#	5.0	3.0	4.0	MR	5.3	4.5	4.9	MR
4	ZH112711F2-2-2-1-1-1-1-1-1#	7.0	6.0	6.5	MS	4.8	8.0	6.4	MS
5	ZH111470F2-1-1-2-1-1-1-1-1#	3.0	3.0	3.0	R	6.0	2.5	4.3	MR
6	VH12208F2-1-2-1-2-1-1-2#	8.0	5.0	6.5	MS	8.3	3.0	5.7	MS
7	VH112899F2-1-1-2-2-1-1-1-1#	7.0	3.0	5.0	MR	4.5	6.0	5.3	MS
8	VH101429F2-1-1-2-1-2-1-2#	3.0	4.0	3.5	MR	6.5	4.0	5.3	MS
9	ZH111929F2-1-1-2-2-1-1-1-1#	5.0	3.0	4.0	MR	3.5	2.0	2.8	R
10	VH12334F2-1-1-2-1-2-1-2#	5.0	3.0	4.0	MR	8.0	2.0	5.0	MR
11	ZH111670F2-2-1-2-1-1-1-2#	5.0	2.0	3.5	MR	4.3	4.5	4.4	MR
12	VH121038F2-1-2-2-1-1-1-1-1#	3.0	3.0	3.0	R	3.5	2.0	2.8	R
13	VH121038F2-2-1-2-1-1-2-2#	1.0	3.0	2.0	R	3.5	2.5	3.0	R
14	VH121038F2-2-3-2-1-1-2-2#	2.0	3.0	2.5	R	4.0	1.0	2.5	R
15	ZH112646F2-1-2-4-1-2-1-2#	5.0	3.0	4.0	MR	4.0	3.0	3.5	MR
16	VH112650F2-2-1-2-3-1-1-1-1#	3.0	2.0	2.5	R	4.0	3.0	3.5	MR
17	VH113021F2-2-1-3-1-1-1-2#	3.0	3.0	3.0	R	4.5	1.0	2.8	R
18	VH112993F2-1-3-2-1-1-1-2#	5.0	3.0	4.0	MR	4.5	5.5	5.0	MR
19	VH112904F2-2-1-1-2-1-1-1-1#	5.0	3.0	4.0	MR	4.0	1.0	2.5	R
20	VH121082F2-1-2-5-1-2-1-2#	3.0	3.0	3.0	R	4.0	3.0	3.5	MR
21	VH1233F2-1-2-2-1-3-1-2#	5.0	3.0	4.0	MR	4.0	3.5	3.8	MR
22	VH126F2-3-2-1-2-1-1-1-1#	5.0	3.0	4.0	MR	5.8	1.5	3.7	MR
23	VH112651F2-1-2-1-2-2-1-2#	5.0	3.0	4.0	MR	4.5	4.5	4.5	MR
24	VH12203F2-2-1-3-1-1-1-1-1#	4.0	3.0	3.5	MR	3.5	4.0	3.8	MR
25	VH112650F2-3-1-2-1-1-1-1-1	2.0	2.0	2.0	R	8.0	1.0	4.5	MR
26	VH1252F2-1-2-5-2-1-1-2#	6.0	4.0	5.0	MR	6.5	3.5	5.0	MR
27	ZH111673F2-1-4-3-1-1-1-2#	2.0	4.0	3.0	R	6.0	1.5	3.8	MR
28	VH12278F2-1-2-3-1-1-1-1-1#	5.0	3.0	4.0	MR	4.0	2.0	3.0	R
29	VH12196F2-3-5-1-2-1-1-2#	7.0	3.0	5.0	MR	3.8	4.0	3.9	MR
30	VH12137F2-1-5-2-3-1-1-1-1#	7.0	5.0	6.0	MS	4.0	7.0	5.5	MS
31	VH1293F2-1-5-2-1-1-1-2#	2.0	3.0	2.5	R	5.8	2.0	3.9	MR
32	ZH112687F2-3-2-2-1-1-1-1-1#	2.0	3.0	2.5	R	6.3	1.0	3.7	MR
33	VH121048F2-1-4-2-1-1-1-2#	3.0	3.0	3.0	R	4.5	1.0	2.8	R
34	VH121048F2-2-1-2-1-1-1-2#	1.0	2.0	1.5	R	4.5	1.0	2.8	R
35	VH101418F2-2-1-2-1-1-1-2#	2.0	3.0	2.5	R	8.0	2.0	5.0	MR
36	VH1289F2-1-3-2-3-2-1-2#	2.0	5.0	3.5	MR	7.0	2.5	4.8	MR
37	VH112450F2-1-2-1-2-1-1-1-1#	5.0	4.0	4.5	MR	6.5	4.0	5.3	MS
38	ZH111688F2-2-5-3-2-1-1-2#	5.0	4.0	4.5	MR	4.5	3.0	3.8	MR
39	VH1230F2-2-4-1-2-1-1-2#	3.0	3.0	3.0	R	6.5	4.0	5.3	MS
40	VH12217F2-2-2-1-1-1-1-1-1#	5.0	3.0	4.0	MR	4.0	1.0	2.5	R
41	ZH115969F2-2-2-2-1-2-1-2#	8.0	6.0	7.0	MS	8.0	5.0	6.5	MS
42	VH112537F2-2-4-3-1-1-1-2#	5.0	4.0	4.5	MR	5.3	6.5	5.9	MS
43	ZH116002F2-1-3-2-3-1-1-1-1#	7.0	6.0	6.5	MS	7.3	9.0	8.2	S
44	CP838F2-17-1-1-4-2-1-1-1#	5.0	3.0	4.0	MR	3.5	2.5	3.0	R
45	S 900MF2-15-1-1-4-1-1-1-1#	4.0	4.0	4.0	MR	7.0	5.0	6.0	MS
46	Bio-9637F2-7-1-1-2-1-1-2#	5.0	5.0	5.0	MR	5.3	6.0	5.7	MS
47	DKC9081F2-19-1-1-2-1-1-2#	4.0	3.0	3.5	MR	7.5	2.0	4.8	MR
48	DKC9081F2-20-1-1-3-3-1-1-1#	2.0	2.0	2.0	R	3.8	1.0	2.4	R
49	DKC9081F2-22-1-1-2-1-1-1-1#	5.0	2.0	3.5	MR	5.3	1.0	3.2	MR
50	HQPM-1F2-26-6-1-1-2-1-1-2#	5.0	3.0	4.0	MR	5.5	4.5	5.0	MR
51	HQPM-1F2-26-8-1-1-1-1-1-2#	7.0	5.0	6.0	MS	9.0	2.5	5.8	MS

Contd.

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Table 15.

S. No.	Genotype	Turicum leaf blight (1-9)							
		NHZ				PZ			
		ALMO	BAJA	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
52	Pro4794F2-19-1-1-2-1-1-2#	3.0	3.0	3.0	R	3.3	5.5	4.4	MR
53	Bio-9681F2-1-1-1-1-1-1-1#	1.0	4.0	2.5	R		1.0	1.0	R
54	Bio-9681F2-12-1-1-2-1-1-2#	4.0	4.0	4.0	MR	5.8	1.0	3.4	MR
55	Bio-9681F2-14-1-1-1-1-1-2#	1.0	3.0	2.0	R	7.5	1.0	4.3	MR
56	P3785F2-7-1-1-3-1-1-1#	5.0	4.0	4.5	MR	3.5	3.0	3.3	MR
57	900MGF2-41-1-1-3-1-1-2#	5.0	3.0	4.0	MR	6.8	1.5	4.2	MR
58	NK6240F2-5-1-1-2-1-1-1#	2.0	3.0	2.5	R	4.5	1.0	2.8	R
59	NK6240F2-6-1-1-3-1-1-2#	8.0	7.0	7.5	S	3.5	1.0	2.3	R
60	P3522F2-19-1-1-2-1-1-2#	5.0	5.0	5.0	MR	6.0	3.0	4.5	MR
61	30V92F2-11-1-1-1-1-1-2#	3.0	3.0	3.0	R	3.5	5.0	4.3	MR
62	30V92F2-11-2-2-1-1-1-1#	3.0	5.0	4.0	MR	4.3	4.5	4.4	MR
63	DHM-117F2-3-2-1-1-1-1-1#	3.0	3.0	3.0	R	5.5	3.5	4.5	MR
64	WNC-19199-1-2-1-2-1-2-1#	3.0	3.0	3.0	R	6.5	1.0	3.8	MR
65	WNC-19207-2-1-1-2-1-1-2#	3.0	4.0	3.5	MR	4.8	3.0	3.9	MR
66	VL1016173-2-1-1-2	1.0	3.0	2.0	R	3.5	3.0	3.3	MR
67	VL1010861-1-2-1-1	5.0	4.0	4.5	MR	6.0	1.0	3.5	MR
68	VL109081-1-1-1-1	7.0	4.0	5.5	MS	7.0	6.5	6.8	MS
69	ZL14475-2-1-1-1	2.0	3.0	2.5	R	6.0	1.0	3.5	MR
70	ZL11431-1-1-1-1	3.0	3.0	3.0	R	5.3	1.5	3.4	MR
71	VL1043-2-1-1-2	7.0	4.0	5.5	MS	4.0	4.5	4.3	MR
72	VL108706-2-1-1-2-1-2#	5.0	2.0	3.5	MR	4.3	4.0	4.2	MR
73	VL1018391-2-1-1-2-2-1#	7.0	6.0	6.5	MS	6.0	5.5	5.8	MS
74	ZL11884-1-1-1-1-1-2#	3.0	4.0	3.5	MR	4.0	2.5	3.3	MR
75	ZL124463-2-1-1-1-1-1#	2.0	3.0	2.5	R	3.5	3.0	3.3	MR
76	ZL124429-2-1-1-1-1-1#	5.0	3.0	4.0	MR	5.0	3.5	4.3	MR
77	ZL124275-2-1-1-1	2.0	2.0	2.0	R	4.5	1.5	3.0	R
78	VL109126-1-1-1-1-2-1#	1.0	3.0	2.0	R	7.0	1.0	4.0	MR
79	900MF2-2-2-2-1-2-1#	5.0	3.0	4.0	MR	6.3	1.0	3.7	MR
80	VH12285F2-2-3-1-1-1-1-1#	1.0	3.0	2.0	R	4.3	1.0	2.7	R
81	ZL126608-2-1-1-2	2.0	3.0	2.5	R	4.0	2.5	3.3	MR
82	ZH111454F2-1-2-2-1-1#-1-1	4.0	3.0	3.5	MR	7.8	1.5	4.7	MR
83	ZH112705F2-2-2-1-2-1#-1-1	5.0	6.0	5.5	MS	3.5	4.5	4.0	MR
84	ZH111658F2-1-2-1-2-1#-1-1	3.0	3.0	3.0	R	4.5	2.5	3.5	MR
85	VH112935F2-2-2-1-2-1#-1-1	5.0	3.0	4.0	MR	4.0	2.0	3.0	R
86	VH12212F2-2-2-1-1-1#-1-2	2.0	3.0	2.5	R	5.5	2.5	4.0	MR
87	ZH112698F2-2-2-1-1-1#-1-2	7.0	3.0	5.0	MR	7.0	6.5	6.8	MS
88	VH112922F2-2-2-1-1-1#-1-1	4.0	3.0	3.5	MR	4.0	1.5	2.8	R
89	VH12207F2-1-1-1-1-1#-1-2	3.0	3.0	3.0	R	4.8	2.5	3.7	MR
90	ZH112700F2-2-2-1-1-1#-1-1	7.0	5.0	6.0	MS	9.0	4.5	6.8	MS
91	ZH112634F2-2-2-2-1-1#-1-2	7.0	4.0	5.5	MS	6.5	5.5	6.0	MS
92	VH112934F2-2-1-1-1-1#-1-2	5.0	3.0	4.0	MR	7.8	4.0	5.9	MS
93	ZH111878F2-1-2-1-2-1#-1-1	3.0	3.0	3.0	R	4.0	1.0	2.5	R
94	VH1248F2-2-2-2-1-1#-1-2	3.0	2.0	2.5	R	4.5	1.0	2.8	R
95	VH112948F2-2-2-1-1-1#-1-2	5.0	2.0	3.5	MR	6.8	2.0	4.4	MR
96	ZH112632F2-2-2-2-1-1#-1-2	7.0	3.0	5.0	MR	5.5	3.5	4.5	MR
97	ZH112622F2-1-2-1-1-1#-1-2	5.0	5.0	5.0	MR	4.3	2.0	3.2	MR
98	ZH112645F2-1-2-1-1-1#-2-1		4.0	4.0	MR	4.0	4.0	4.0	MR
99	VH112934F2-2-2-1-2-1#-1-2	5.0	5.0	5.0	MR	7.0	6.0	6.5	MS
100	ZH111402F2-1-2-1-1-1#-1-2	7.0	4.0	5.5	MS	4.3	6.0	5.2	MS
101	VH112933F2-1-2-1-1-1#-1-1	3.0	3.0	3.0	R	4.0	2.5	3.3	MR
102	ZH112718F2-1-2-1-2-1#-1-2	2.0	4.0	3.0	R	5.0	1.0	3.0	R

Contd.

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Table 15.

S. No.	Genotype	Turicum leaf blight (1-9)							
		NHZ				PZ			
		ALMO	BAJA	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
103	VH11152F2-1-2-1-1-2#-1-1	5.0	3.0	4.0	MR	6.3	1.0	3.7	MR
104	ZH112703F2-1-2-1-1-2#-1-1	3.0	3.0	3.0	R	5.0	1.0	3.0	R
105	VH1248F2-1-2-1-1-2#-1-1	7.0	3.0	5.0	MR	6.0	6.0	6.0	MS
106	ZH116117F2-1-2-1-1-2#-1-1	3.0	3.0	3.0	R	4.0	1.0	2.5	R
107	VH1275F2-1-2-1-1-1#-1-2	2.0	4.0	3.0	R	6.8	2.5	4.7	MR
108	VH12257F2-1-2-2-1-1#-1-2	1.0	3.0	2.0	R	5.3	1.0	3.2	MR
109	VH12258F2-2-2-1-1-1#-1-2	2.0	3.0	2.5	R	3.5	1.5	2.5	R
110	ZH112635F2-2-2-2-1-1#-1-1	5.0	5.0	5.0	MR	6.5	2.0	4.3	MR
111	VH112880F2-1-2-1-1-1#-1-1	5.0	3.0	4.0	MR	6.3	4.0	5.2	MS
112	VH1241F2-2-2-1-1-1#-1-2	2.0	3.0	2.5	R	7.0	2.0	4.5	MR
113	ZH114187F2-1-2-2-1-1#-1-1	3.0	3.0	3.0	R	8.0	1.0	4.5	MR
114	ZH115962F2-1-2-1-1-1#-1-1	5.0	3.0	4.0	MR	6.0	5.0	5.5	MS
115	ZH115982F2-1-2-1-1-1#-1-1	2.0	3.0	2.5	R	3.8	1.5	2.7	R
116	VH112950F2-2-2-2-1-1#-1-1	5.0	4.0	4.5	MR	6.5	1.5	4.0	MR
117	ZH111450F2-1-2-1-1-2#-1-1	4.0	3.0	3.5	MR	6.0	4.0	5.0	MR
118	ZH12421F2-2-2-1-1-1#-1-1	5.0	3.0	4.0	MR	8.5	2.5	5.5	MS
119	900MGF2-1-2-2-1-1#-1-2	3.0	7.0	5.0	MR	7.0	1.0	4.0	MR
120	ZH111948F2-1-2-1-2-1#-1-1	5.0	3.0	4.0	MR	6.5	2.0	4.3	MR
121	ZH12424F2-1-2-1-1-1#-1-1	5.0	3.0	4.0	MR	4.8	7.5	6.2	MS
122	ZH12426F2-1-2-1-2-1#-1-2	7.0	3.0	5.0	MR	4.0	4.5	4.3	MR
123	ZH111468F2-1-2-1-1-1#-1-1	5.0	2.0	3.5	MR	4.0	5.5	4.8	MR
124	ZH12122F2-2-2-1-1-1#-1-2	5.0	3.0	4.0	MR	3.5	4.5	4.0	MR
125	ZH111948F2-2-2-1-2-1#-1-2	7.0	5.0	6.0	MS	4.3	5.5	4.9	MR
126	VH113036F2-1-2-1-1-2#-1-1	3.0	3.0	3.0	R	3.3	4.5	3.9	MR
127	VH1215F2-1-1-1-1-1#-1-1	5.0	3.0	4.0	MR	4.0	2.0	3.0	R
128	VH12280F2-1-2-1-1-1#-1-1	3.0	3.0	3.0	R	7.5	1.0	4.3	MR
129	VH1234F2-1-1-1-1-1#-1-1	5.0	3.0	4.0	MR	3.8	5.0	4.4	MR
130	VH112433F2-2-2-1-2-1#-1-2	5.0	6.0	5.5	MS	3.5	2.0	2.8	R
131	VH112970F2-1-2-2-1-1#-1-2	3.0	2.0	2.5	R	9.0	2.0	5.5	MS
132	VH12282F2-1-2-1-1-1#-2-1	3.0	3.0	3.0	R	4.0	1.0	2.5	R
133	VH12277F2-2-2-1-1-2#-1-2	2.0	4.0	3.0	R	5.5	1.0	3.3	MR
134	VH101411F2-A2-1-1-1-1#-1-2	5.0	2.0	3.5	MR	5.5	3.5	4.5	MR
135	ZH116017F2-1-2-1-1-1#-1-1	7.0	3.0	5.0	MR	5.5	7.0	6.3	MS
136	VH12141F2-1-2-1-1-2#-1-1	4.0	3.0	3.5	MR	5.5	1.5	3.5	MR
137	ZH115966F2-1-2-1-1-2#-1-2	5.0	4.0	4.5	MR	6.0	3.5	4.8	MR
138	VH112650F2-1-2-1-1-1#-1-1	2.0	4.0	3.0	R	6.5	2.0	4.3	MR
139	ZH116096F2-1-2-1-1-1#-1-2	8.0	3.0	5.5	MS	3.0	5.5	4.3	MR
140	ZH116114F2-1-2-1-1-2#-1-2	5.0	3.0	4.0	MR	5.5	1.5	3.5	MR
141	ZH116132F2-2-2-1-1-1#-1-1	5.0	3.0	4.0	MR	5.0	2.5	3.8	MR
142	VH112914F2-1-2-1-2-1#-1-1	7.0	3.0	5.0	MR	8.0	2.5	5.3	MS
143	VH113025F2-2-2-1-1-1#-1-2	5.0	3.0	4.0	MR	4.0	3.5	3.8	MR
144	VH12277F2--2-2-2-2#-1-2	5.0	4.0	4.5	MR	4.5	6.0	5.3	MS
145	VH113014F2-1-2-1-1-1#-1-2	2.0	2.0	2.0	R	4.0	1.5	2.8	R
146	VH113021F2-1-2-1-1-1#-1-1	3.0	3.0	3.0	R	5.8	2.0	3.9	MR
147	VH112733F2-1-2-1-1-1#-1-1	5.0	3.0	4.0	MR	8.0	4.0	6.0	MS
148	VH101495F2-2-2-1-1-1#-1-2	1.0	2.0	1.5	R	5.5	1.0	3.3	MR
149	VH1279F2-1-2-1-1-1#-1-2#		3.0	3.0	R	4.5	1.5	3.0	R
150	VH121043F2-2-2-2-1-1#-1-1	1.0	2.0	1.5	R	4.3	1.0	2.7	R
151	VH121086F2-1-2-1-1-1#-1-1	5.0	4.0	4.5	MR	5.0	2.5	3.8	MR
152	ZH114235F2-1-2-2-1-1#-1-1	3.0	4.0	3.5	MR	4.0	1.0	2.5	R
153	VH112947F2-1-2-1-1-1#-1-1	5.0	4.0	4.5	MR	7.5	8.0	7.8	S

Contd.

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Table 15.

S. No.	Genotype	Turicum leaf blight (1-9)							
		NHZ				PZ			
		ALMO	BAJA	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
154	VH12157F2-2-1-1-1-1#-1-2	5.0	3.0	4.0	MR	5.8	2.5	4.2	MR
155	AH1222F2-2-2-1-1-1#-1-1	2.0	3.0	2.5	R	7.5	2.0	4.8	MR
156	AH1222F2-2-2-1-1-1#-1-2	2.0	3.0	2.5	R	3.3	1.0	2.2	R
157	VH1212F2-1-2-1-2-1#-1-1	3.0	3.0	3.0	R	6.5	2.0	4.3	MR
158	VH12285F2-1-2-1-1-1#-1-1	2.0	3.0	2.5	R	4.5	1.0	2.8	R
159	VH112476F2-2-2-1-1-1#-2-2	3.0	3.0	3.0	R	2.8	3.0	2.9	R
160	VH1250F2-1-2-1-1-1#-1-2	5.0	2.0	3.5	MR	4.5	4.0	4.3	MR
161	VH1284F2-1-2-1-1-1#-2-1	5.0	4.0	4.5	MR	5.5	4.0	4.8	MR
162	VH121043F2-2-2-1-2-2#-1-1	2.0	3.0	2.5	R	2.3	1.5	1.9	R
163	VH12141F2-1-1-2-2-2#-1-1	5.0	3.0	4.0	MR	6.0	4.0	5.0	MR
164	VH1224F2-1-2-1-2-1#-1-2	2.0	3.0	2.5	R	5.5	2.0	3.8	MR
165	VH126F2-1-2-1-1-1#-1-1	2.0	2.0	2.0	R	6.3	1.0	3.7	MR
166	VH126F2-2-2-1-2-1#-1-2	1.0	3.0	2.0	R	6.0	1.0	3.5	MR
167	VH112651F2-2-2-1-1-1#-1-1	2.0	3.0	2.5	R	3.3	1.5	2.4	R
168	AH1223F2-2-2-1-1-1#-2-2	3.0	4.0	3.5	MR	3.5	1.0	2.3	R
169	VH112995F2-1-2-1-1-1#-1-2	1.0	2.0	1.5	R	6.0	1.0	3.5	MR
170	VH1252F2-2-2-1-1-1#-1-2	5.0	3.0	4.0	MR	6.5	2.5	4.5	MR
171	VH127F2-2-2-1-1-1#-1-1	5.0	4.0	4.5	MR	5.5	3.0	4.3	MR
172	VH112900F2-1-2-1-2-1#-1-2	3.0	3.0	3.0	R	6.0	1.0	3.5	MR
173	VH112445F2-1-2-2-1-1#-1-1	5.0	3.0	4.0	MR	5.0	4.0	4.5	MR
174	VH112650F2-1-2-1-1-2#-1-1	5.0	3.0	4.0	MR	6.3	2.0	4.2	MR
175	VH12337F2-1-2-1-1-1#-1-1	5.0	3.0	4.0	MR	5.8	5.5	5.7	MS
176	AH1223F2-1-2-1-1-1#-1-1	3.0	3.0	3.0	R	5.3	2.0	3.7	MR
177	ZH116002F2-2-2-1-1-1#-1-1	8.0	4.0	6.0	MS	4.0	6.0	5.0	MR
178	ZH115971F2-2-2-1-1-2#-1-1	6.0	4.0	5.0	MR	4.3	6.0	5.2	MS
179	ZH112687F2-3-2-2-1-1-1-1#	2.0	3.0	2.5	R	4.0	2.0	3.0	R
180	Bio 9681F2-1-2-1-1-1#-2-1	7.0	2.0	4.5	MR	5.0	1.0	3.0	R
181	VH12192F2-2-2-1-2-1#-1-1	5.0	3.0	4.0	MR	8.5	2.0	5.3	MS
182	VH113027F2-2-2-1-1-2#-1-2	7.0	4.0	5.5	MS	5.3	5.5	5.4	MS
183	VH112296F2-1-2-1-1-1#-1-2	3.0	5.0	4.0	MR	6.8	4.5	5.7	MS
184	VH1230F2-1-2-1-1-2#-1-2	5.0	4.0	4.5	MR	6.0	2.5	4.3	MR
185	VH112473F2-2-2-1-1-1#-1-1	5.0	4.0	4.5	MR	8.0	3.0	5.5	MS
186	VH112310F2-2-2-2-1-1#-1-2	3.0	3.0	3.0	R	6.0	1.0	3.5	MR
187	VH1277F2-2-2-1-1-1#-1-2	8.0	6.0	7.0	MS	7.0	5.0	6.0	MS
188	ZH112709F2-1-2-1-1-1#-1-2	5.0	3.0	4.0	MR	5.5	3.0	4.3	MR
189	VH112412F2-1-2-1-1-1#-1-1	7.0	6.0	6.5	MS	5.3	5.5	5.4	MS
190	VH112551F2-2-2-1-1-1#-1-2	8.0	7.0	7.5	S	5.3	8.0	6.7	MS
191	VH11124F2-2-2-1-1-1#-1-2	3.0	2.0	2.5	R	4.0	2.0	3.0	R
192	VH11124F2-2-2-1-1-1#-1-2	3.0	3.0	3.0	R	6.0	3.5	4.8	MR
193	VH12192F2-2-1-2-1-1#-1-1	3.0	2.0	2.5	R	7.0	2.5	4.8	MR
194	VH12167F2-2-2-1-1-1#-1-1	7.0	3.0	5.0	MR	5.0	4.5	4.8	MR
195	VH113028F2-1-2-1-1-1#-1-2	3.0	3.0	3.0	R	3.5	2.5	3.0	R
196	VH112312F2-2-2-1-1-1#-1-2	6.0	4.0	5.0	MR	4.8	6.0	5.4	MS
197	ZH112650F2-1-2-1-1-1#-1-1	5.0	5.0	5.0	MR	7.5	3.5	5.5	MS
198	ZH112650F2-2-1-1-1-1#-1-2	4.0	3.0	3.5	MR	5.8	7.0	6.4	MS
199	VH121050F2-2-2-2-1-1#-1-1	5.0	3.0	4.0	MR	5.0	1.5	3.3	MR
200	VH112467F2-2-2-1-2-1#-1-1	3.0	3.0	3.0	R	8.0	1.5	4.8	MR
201	VH112892F2-2-2-1-2-1#-1-2	3.0	3.0	3.0	R	6.0	1.0	3.5	MR
202	ZH116080F2-1-2-1-2-1#-1-2	7.0	3.0	5.0	MR	6.8	1.5	4.2	MR
203	ZH116104F2-1-1-1-1-1#-1-1	2.0	3.0	2.5	R	4.0	4.5	4.3	MR
204	VH11130F2-2-1-1-1-1#-1-2	3.0	5.0	4.0	MR	4.5	4.0	4.3	MR

Contd.

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Table 15.

S. No. Genotype	Turicum leaf blight (1-9)								
	NHZ				PZ				Reaction
	ALMO	BAJA	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction	
205	ZH114230F2-2-1-1-1-1#-1-1	3.0	3.0	3.0	R	8.0	1.0	4.5	MR
206	VH12197F2-1-2-1-1-1#-1-1	2.0	2.0	2.0	R	5.0	1.0	3.0	R
207	ZH114188F2-2-2-2-1-1#-1-1	7.0	6.0	6.5	MS	7.0	7.0	7.0	MS
208	ZH112687F2-1-2-1-1-1#-1-1	3.0	6.0	4.5	MR	5.3	2.0	3.7	MR
209	VH101429F2-1-2-2-1-1#-1-2	5.0	3.0	4.0	MR	4.0	4.0	4.0	MR
210	ZH112014F2-1-2-2-1-1#-1-1	5.0	6.0	5.5	MS	6.8	7.5	7.2	S
211	CP838F2-9-2-2-2-1#-1	3.0	6.0	4.5	MR	4.5	6.0	5.3	MS
212	CP838F2-18-1-1-1-2#-2	5.0	7.0	6.0	MS	4.0	5.5	4.8	MR
213	CP838F2-25-1-1-2-1#-2	5.0	3.0	4.0	MR	3.5	1.5	2.5	R
214	PinnacleF2-7-1-1-1-2#-1	7.0	5.0	6.0	MS	4.0	7.0	5.5	MS
215	PinnacleF2-25-2-2-1-2#-2	7.0	3.0	5.0	MR	7.5	4.5	6.0	MS
216	S 900MF2-5-1-1-1-2#-2	8.0	3.0	5.5	MS	5.0	6.5	5.8	MS
217	S 900MF2-5-3-2-1-2#-1	2.0	3.0	2.5	R	5.5	6.0	5.8	MS
218	B9637F2-3-1-1-2-1#-1	5.0	4.0	4.5	MR	4.5	1.5	3.0	R
219	B9637F2-7-1-1-1-1#-1	3.0	4.0	3.5	MR	5.5	6.5	6.0	MS
220	DKC9081F2-7-1-1-2-1#-1	5.0	3.0	4.0	MR	4.5	2.5	3.5	MR
221	DHM117F2-23-1-1-2-1#-2	3.0	3.0	3.0	R	5.0	1.5	3.3	MR
222	HQPM-1F2-26-8-2-2-1-1#-1	7.0	5.0	6.0	MS	3.8	4.0	3.9	MR
223	HQPM-1F2-26-13-3-1-1-2#-1	5.0	3.0	4.0	MR	5.0	5.5	5.3	MS
224	HQPM-1F2-26-14-2-2-2-1#-2	5.0	3.0	4.0	MR	7.0	1.5	4.3	MR
225	Pro4794F2-2-2-2-1-2#-1	5.0	4.0	4.5	MR	6.0	2.0	4.0	MR
226	Pro4794F2-11-2-1-2-1#-2	5.0	4.0	4.5	MR	9.0	3.0	6.0	MS
227	Pro4794F2-16-2-1-2-1#-1	7.0	4.0	5.5	MS	7.5	2.5	5.0	MR
228	Pro4794F2-19-1-1-2-1#-1	4.0	3.0	3.5	MR	6.5	4.5	5.5	MS
229	Pro4794F2-25-2-1-2-1#-1	5.0	3.0	4.0	MR	7.0	1.0	4.0	MR
230	B9681F2-7-1-1-1-2#-2	3.0	3.0	3.0	R	5.5	1.0	3.3	MR
231	Bi9681F2-8-1-1-2-1#-1	8.0	7.0	7.5	S	3.0	7.5	5.3	MS
232	B9681F2-10-1-1-1-1#-1	3.0	3.0	3.0	R	3.0	1.5	2.3	R
233	B9681F2-25-2-1-1-1#-1	2.0	4.0	3.0	R	3.5	1.0	2.3	R
234	STK2324F2-10-2-1-1-1#-1	5.0	3.0	4.0	MR	5.8	5.0	5.4	MS
235	KsudhaF2-12-2-1-2-1#-2	5.0	3.0	4.0	MR	6.3	4.5	5.4	MS
236	KsudhaF2-21-1-1-2-1#-1	7.0	4.0	5.5	MS	6.5	6.0	6.3	MS
237	P3785F2-8-1-1-2-1#-1	3.0	3.0	3.0	R	5.3	1.5	3.4	MR
238	P3785F2-10-2-1-2-1#-2	3.0	3.0	3.0	R	6.0	2.5	4.3	MR
239	900MGF2-21-3-1-2-1#-1	3.0	4.0	3.5	MR	6.0	4.0	5.0	MR
240	900MGF2-22-2-1-1-1#-1	2.0	4.0	3.0	R	5.8	5.0	5.4	MS
241	NK6240F2-6-2-1-3-1-1-2#	3.0	3.0	3.0	R	3.5	1.5	2.5	R
242	NK6240F2-10-2-1-2-1#-1	7.0	4.0	5.5	MS	4.5	3.0	3.8	MR
243	NK6240F2-11-2-1-1-2#-1	5.0	6.0	5.5	MS	3.3	8.0	5.7	MS
244	NK6240F2-25-2-1-2-1#-1	2.0	3.0	2.5	R	4.3	1.0	2.7	R
245	P3522F2-1-2-1-1-1#-1	1.0	3.0	2.0	R	6.3	1.0	3.7	MR
246	P3522F2-7-2-1-1-2#-1	3.0	3.0	3.0	R	4.3	2.0	3.2	MR
247	P3522F2-25-2-1-1-2#-2	3.0	3.0	3.0	R	4.8	2.5	3.7	MR
248	30V92F2-18-1-1-3-1-1-1#	2.0	3.0	2.5	R	5.5	1.0	3.3	MR
249	30V92F2-22-2-1-1-2#-1	2.0	3.0	2.5	R	6.3	2.0	4.2	MR
250	30V92F2-25-1-1-2-1#-1	5.0	3.0	4.0	MR	6.0	3.5	4.8	MR
251	NPool37-5-1-2-1-1-1-2#	8.0	7.0	7.5	S	5.5	8.0	6.8	MS
252	NPool52-1-2-1-2-1-1-2#	2.0	3.0	2.5	R	5.3	2.5	3.9	MR
253	NPool41-1-1-1-1-1-1-1#	3.0	5.0	4.0	MR	3.5	3.0	3.3	MR
254	NPool41-4-1-1-1-1-1-1#	3.0	2.0	2.5	R	3.0	1.0	2.0	R
255	NPool42-7-2-1-1-2-1-2#	1.0	3.0	2.0	R	4.5	1.5	3.0	R

Contd.

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Table 15.

S. No.	Genotype	Turicum leaf blight (1-9)							
		NHZ				PZ			
		ALMO	BAJA	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
256	NPool43-1-1-1-1-1-2#	3.0	3.0	3.0	R	4.3	1.0	2.7	R
257	NPool43-3-1-1-1-2-1-1#	5.0	5.0	5.0	MR	6.0	5.0	5.5	MS
258	NPool43-4-1-1-2-1-1-21	5.0	4.0	4.5	MR	4.0	1.0	2.5	R
259	NPool43-5-2-1-1-2-1-1#	5.0	3.0	4.0	MR	6.0	3.0	4.5	MR
260	NPool44-1-1-1-1-1-1-1#	7.0	3.0	5.0	MR	2.5	5.0	3.8	MR
261	NPool44-2-2-1-2-1-1-1#	5.0	3.0	4.0	MR	4.3	3.5	3.9	MR
262	NPool46-5-2-1-2-1-1-1#	1.0	3.0	2.0	R	4.0	1.0	2.5	R
263	NPool46-5-2-1-2-1-1-1#	3.0	2.0	2.5	R	5.5	1.0	3.3	MR
264	NPool47-1-1-1-1-1-2#	3.0	2.0	2.5	R	3.8	1.0	2.4	R
265	NPool53-1-2-1-1-1-2#	2.0	4.0	3.0	R	7.0	1.0	4.0	MR
266	NPool58-7-2-1-2-1-1-1#	5.0	3.0	4.0	MR	4.0	4.5	4.3	MR
267	NPool59-2-2-1-2-1-1-2#	5.0	7.0	6.0	MS	4.0	4.0	4.0	MR
268	D117F2-8-2-1-1-1-1-1#	3.0	3.0	3.0	R	5.8	1.5	3.7	MR
269	PinnacleF2-1-2-1-1-2-1-1#	3.0	5.0	4.0	MR	4.5	3.5	4.0	MR
270	S 900MF2-2-1-1-1-2#-2	7.0	6.0	6.5	MS	7.5	7.0	7.3	S
271	P3522F2-1-2-2-1-2-2-1#	5.0	2.0	3.5	MR	8.0	3.0	5.5	MS
272	30V92F2-1-2-1-1-2-1#	5.0	5.0	5.0	MR	4.0	6.0	5.0	MR
273	900MGF2-1-2-2-1-1-1#-2	8.0	5.0	6.5	MS	6.5	7.5	7.0	MS
274	P3785F2-1-2-1-2-1-1#	3.0	6.0	4.5	MR	5.0	2.0	3.5	MR
275	SP-Red-1-A2-1-1-2-1-1#	7.0	4.0	5.5	MS	5.0	3.5	4.3	MR
276	SP-Red-2-1-1-1-2-1#	3.0	5.0	4.0	MR	5.0	7.5	6.3	MS
277	SP-Red-2-2-1-2-1-1#	3.0	3.0	3.0	R	6.5	6.5	6.5	MS
278	SC-V1-2-1-1-2-1#-1	8.0	4.0	6.0	MS	9.0	7.0	8.0	S
279	HKI-163-1-1-2-3-1-2-1#-1	3.0	3.0	3.0	R	3.5	3.5	3.5	MR
280	HKI-163-2-1-2-3-1-2-2#-1	5.0	2.0	3.5	MR	4.5	1.0	2.8	R
281	MPSATC-14-04-1-2-1-2-2#	2.0	3.0	2.5	R	6.5	1.0	3.8	MR
282	MPSATC-14-25-2-1-2-1-2-2#	5.0	2.0	3.5	MR	4.5	2.5	3.5	MR
283	MPSATC-14-25-3-1-2-1-2-2#	3.0	2.0	2.5	R	7.0	3.5	5.3	MS
284	MPSATC-14-420-1-1-1-1-1#	5.0	3.0	4.0	MR	3.0	2.0	2.5	R
285	MPSATC-214-13-2-1-2-1-2#	3.0	4.0	3.5	MR	3.8	5.5	4.7	MR
286	900MF2-1-1-2-1-2-1#	1.0	3.0	2.0	R	6.5	2.0	4.3	MR
287	900MF2-4-1-2-2-1-1#	2.0	3.0	2.5	R	6.0	1.5	3.8	MR
288	900MF2-5-1-1-2-2-1#	3.0	3.0	3.0	R	5.5	1.5	3.5	MR
289	900MF2-7-1-1-1-2-1#	5.0	3.0	4.0	MR	4.3	1.0	2.7	R
290	900MF2-10-1-2-1-1-1#	2.0	3.0	2.5	R	5.3	1.0	3.2	MR
291	Npool 13-1-2-1-2-3-2#	4.0	3.0	3.5	MR	5.5	2.0	3.8	MR
292	WNC18242-1-2-1-1-1-2#	2.0	4.0	3.0	R	8.0	1.5	4.8	MR
293	WNC19152-2-1-1-2-1-1#	2.0	3.0	2.5	R	4.5	3.5	4.0	MR
294	VL109180-1-2-2-1-2-1#	5.0	3.0	4.0	MR	6.5	4.0	5.3	MS
295	VL108769-1-1-1-1-2-1#	3.0	3.0	3.0	R	6.0	4.0	5.0	MR
296	ZL12137-1-2-1-2-1-1#	7.0	3.0	5.0	MR	6.0	5.5	5.8	MS
297	VL106-1-2-2-1-1-1#	3.0	4.0	3.5	MR	4.8	4.5	4.7	MR
298	VL108731-1-2-1-2-2-1#	3.0	3.0	3.0	R	5.8	1.5	3.7	MR
299	VL1065-1-1-2-1-2-1#	7.0	3.0	5.0	MR	9.0	1.0	5.0	MR
300	ZL11271-1-2-2-1-2-#	7.0	4.0	5.5	MS	6.5	6.0	6.3	MS
301	VL054794-2-2-1-1-2-1#	3.0	5.0	4.0	MR	4.3	5.5	4.9	MR
302	VL103-1-1-1-1-2-2#	3.0	4.0	3.5	MR	7.5	4.0	5.8	MS
303	VL1018510-1-2-2-1-2-1#	1.0	4.0	2.5	R	6.0	1.0	3.5	MR
304	VL108331-1-1-2-1-2-1#	2.0	6.0	4.0	MR	3.3	1.0	2.2	R
305	VL108880-1-2-2-1-1-1#	3.0	3.0	3.0	R	3.0	1.0	2.0	R
306	VL1018496-1-2-2-2-1-1#	3.0	3.0	3.0	R	5.5	2.0	3.8	MR

Contd.

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Table 15.

S. No. Genotype	Turicum leaf blight (1-9)								
	NHZ				PZ				
	ALMO	BAJA	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction	
307	VL1043-2-1-1-2	7.0	4.0	5.5	MS	5.0	4.5	4.8	MR
308	VL105542-1-2-1-2-1-2#	5.0	3.0	4.0	MR	6.0	5.5	5.8	MS
309	VL1010856-2-1-1-2-2-1#	3.0	6.0	4.5	MR	4.0	1.0	2.5	R
310	VL105542-1-2-1-2-1-2#	5.0	4.0	4.5	MR	5.0	4.0	4.5	MR
311	VL108727-1-2-1-2-2-1#	3.0	4.0	3.5	MR	7.5	1.5	4.5	MR
312	VL1018391-2-1-1-2-2-1#	7.0	5.0	6.0	MS	4.0	5.0	4.5	MR
313	ZL124434-1-2-2-1-1-1#	3.0	3.0	3.0	R	5.0	3.0	4.0	MR
314	ZL124463-2-1-1-1-1-1#	5.0	3.0	4.0	MR	5.8	1.0	3.4	MR
315	ZL124429-2-1-1-1-1-1#	6.0	3.0	4.5	MR	5.5	2.0	3.8	MR
316	ZL124514-1-2-1-2-2-2\$	7.0	3.0	5.0	MR	5.0	7.0	6.0	MS
317	ZL124334-2-1-1-2-1-1#	3.0	3.0	3.0	R	5.8	1.0	3.4	MR
318	ZL114841-2-2-1-2-1-1#	3.0	2.0	2.5	R	3.5	4.0	3.8	MR
319	VL109289-2-2-1-1-1-2#	3.0	3.0	3.0	R	5.0	3.5	4.3	MR
320	ZL11428-2-1-1-1-2-2#	3.0	3.0	3.0	R	5.0	2.5	3.8	MR
321	VL109126-1-1-1-1-2-1#	2.0	3.0	2.5	R	4.0	1.5	2.8	R
322	HY10RN-10235-270-2-2	3.0	4.0	3.5	MR	8.5	6.5	7.5	S
323	EC618234	2.0	3.0	2.5	R	3.3	4.0	3.7	MR
324	EC619101	5.0	2.0	3.5	MR	4.8	1.5	3.2	MR
325	DLQ1018-A-1	2.0	3.0	2.5	R	5.3	2.5	3.9	MR
326	WNC11RMP847	2.0	3.0	2.5	R	6.0	2.0	4.0	MR
327	BGS337	3.0	3.0	3.0	R	3.5	1.0	2.3	R
328	4845	5.0	6.0	5.5	MS	5.8	6.0	5.9	MS
329	Acc.No.524093	8.0	5.0	6.5	MS	6.8	4.0	5.4	MS
330	S99TLYQ-HG-AB*4-32-BBB-1	7.0	4.0	5.5	MS	4.0	5.5	4.8	MR
331	CM117-3-4-1	3.0	3.0	3.0	R	5.8	1.0	3.4	MR
332	JCY2-1-2-1	2.0	3.0	2.5	R	4.0	1.0	2.5	R
333	LM13	3.0	3.0	3.0	R	6.0	1.0	3.5	MR
334	PFSRR9	7.0	4.0	5.5	MS	9.0	2.0	5.5	MS
335	JCS2-7ÄÄÄÄ	5.0	3.0	4.0	MR	4.0	1.0	2.5	R
336	EC646016	3.0	4.0	3.5	MR	2.5	1.0	1.8	R
337	NZBOPH	3.0	2.0	2.5	R	7.5	1.0	4.3	MR
338	5153	5.0	4.0	4.5	MR	4.3	1.0	2.7	R
339	JCY3-7ÄÄÄÄ	3.0	2.0	2.5	R	4.0	1.5	2.8	R
340	WNCMDR11R27290	7.0	2.0	4.5	MR	5.5	1.0	3.3	MR
341	5023	5.0	4.0	4.5	MR	4.8	3.0	3.9	MR
342	CM111 'Zeadiploperennis' CM111	3.0	4.0	3.5	MR	3.5	1.5	2.5	R
343	PFSRR3ÄÄÄÄÄÄ	5.0	3.0	4.0	MR	5.5	1.0	3.3	MR
344	CM111 'Zeadiploperennis' CM111	3.0	5.0	4.0	MR	8.5	2.5	5.5	MS
345	S99TLYQ-HG-AB*4-32-BBB-1	5.0	3.0	4.0	MR	5.0	3.5	4.3	MR
346	BLS42050-1	2.0	3.0	2.5	R	5.3	1.0	3.2	MR
347	EC672809	3.0	3.0	3.0	R	7.8	1.5	4.7	MR
348	GPM456	5.0	2.0	3.5	MR	4.8	1.5	3.2	MR
349	JCS060CH5	5.0	5.0	5.0	MR	6.3	5.5	5.9	MS
350	JCY2-2-4-1-1	5.0	3.0	4.0	MR	4.3	1.0	2.7	R
351	P72C1XBRASIL-2ÄÄÄÄÄÄÄÄ	5.0	3.0	4.0	MR	3.5	1.0	2.3	R
352	SarhadHSRB	5.0	4.0	4.5	MR	6.0	5.0	5.5	MS
353	EC655729	3.0	3.0	3.0	R	6.0	3.5	4.8	MR
354	HQPM-7-4-2-1-1-1-2	3.0	4.0	3.5	MR	6.0	2.0	4.0	MR

Contd.

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Table 15.

S. No. Genotype	Turicum leaf blight (1-9)							
	NHZ				PZ			
	ALMO	BAJA	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
355 PFSR63	3.0	5.0	4.0	MR	5.5	1.0	3.3	MR
356 JCY2-7-1-2-1-5B-1-4-3-1	3.0	2.0	2.5	R	3.8	1.5	2.7	R
357 NN42050-1	2.0	3.0	2.5	R	4.8	1.0	2.9	R
358 BGS686-1	2.0	2.0	2.0	R	5.0	1.0	3.0	R
359 PFSR14-1-2	3.0	3.0	3.0	R	5.5	1.0	3.3	MR
360 4840	1.0	3.0	2.0	R	7.0	1.0	4.0	MR
361 CML420	3.0	3.0	3.0	R	6.5	1.0	3.8	MR
362 LM13	3.0	3.0	3.0	R	5.0	1.0	3.0	R
363 GPM456	3.0	3.0	3.0	R	3.5	1.0	2.3	R
364 P6SC6-BBB-19-BBB--6-2	5.0	4.0	4.5	MR	7.5	5.5	6.5	MS
365 (CA14502/CA14509)-F2-14-1-BBB-CML451-BBB-OPc14-S1	2.0	3.0	2.5	R	5.5	1.5	3.5	MR
366 Acc.No.563959	3.0	3.0	3.0	R	5.0	2.0	3.5	MR
367 CML269AAA	2.0	3.0	2.5	R	4.5	1.0	2.8	R
368 CML327	1.0	3.0	2.0	R	6.5	1.0	3.8	MR
369 EC619005	1.0	3.0	2.0	R	3.5	1.0	2.3	R
370 NZB2012	5.0	3.0	4.0	MR	6.0	1.0	3.5	MR
371 Temp x Trop (H0)QPM	3.0	3.0	3.0	R	5.5	1.0	3.3	MR
372 5331	3.0	3.0	3.0	R	6.0	1.0	3.5	MR
373 Acc.No.524093	5.0	5.0	5.0	MR	4.5	7.0	5.8	MS
374 HY10RN-10235-118-1-4	3.0	4.0	3.5	MR	5.5	3.0	4.3	MR
375 JCS796CH8	5.0	3.0	4.0	MR	4.8	1.0	2.9	R
376 S99TLYQ-HG-AB*4-25-BBB-1	5.0	3.0	4.0	MR	6.0	1.5	3.8	MR
377 SW92145-2P9S2-##-B*6-1-B-2-B*6	5.0	5.0	5.0	MR	3.0	6.0	4.5	MR
378 Acc.No.470144	5.0	4.0	4.5	MR	4.5	4.5	4.5	MR
379 GPM342	5.0	3.0	4.0	MR	5.3	1.5	3.4	MR
380 4840	3.0	3.0	3.0	R	8.5	1.0	4.8	MR
381 CM117-3-2-1	2.0	4.0	3.0	R	5.0	1.0	3.0	R
382 EC630409	3.0	4.0	3.5	MR	4.3	4.0	4.2	MR
383 EC646016	5.0	3.0	4.0	MR	3.0	1.0	2.0	R
384 PFSR46	5.0	3.0	4.0	MR	8.5	1.5	5.0	MR
385 E9G(OT)	2.0	3.0	2.5	R	5.3	1.0	3.2	MR
386 CM119	3.0	5.0	4.0	MR	6.0	1.0	3.5	MR
387 LM9	5.0	8.0	6.5	MS	4.0	4.5	4.3	MR
388 Hyd05R/13-2	5.0	5.0	5.0	MR	3.8	3.0	3.4	MR
389 DMRPE6	7.0	3.0	5.0	MR	2.8	2.0	2.4	R
390 42048-2-2-1-1-1-2	5.0	3.0	4.0	MR	4.3	1.5	2.9	R
391 4975	5.0	3.0	4.0	MR	6.0	1.5	3.8	MR
392 Pop31C4S5B-6-##-1-2-B*5-B1-BB-2-B*7	7.0	4.0	5.5	MS	7.5	4.0	5.8	MS
393 ITINA004	5.0	5.0	5.0	MR	3.0	3.5	3.3	MR
394 SafalX2#-7	3.0	3.0	3.0	R	7.5	1.0	4.3	MR
395 Krishna Gold#--5	7.0	3.0	5.0	MR	4.5	7.0	5.8	MS
396 EC618228#-3	5.0	2.0	3.5	MR	8.3	2.5	5.4	MS
397 S 6304	9.0	8.0	8.5	S	5.5	4.0	4.8	MR
398 S 6304	5.0	3.0	4.0	MR	4.5	3.5	4.0	MR
399 DKC9106#-3	2.0	3.0	2.5	R	7.5	1.0	4.3	MR
400 Sun234#-3	3.0	3.0	3.0	R	5.3	1.0	3.2	MR
401 Janhit5053#-2	3.0	4.0	3.5	MR	5.5	1.0	3.3	MR
402 EC440415#-4	2.0	3.0	2.5	R	6.0	2.0	4.0	MR
403 Nirmal3662#-3	3.0	3.0	3.0	R	5.0	1.0	3.0	R

Contd.

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Table 15.

S. No. Genotype	Turicum leaf blight (1-9)							
	NHZ				PZ			
	ALMO	BAJA	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
404 704	3.0	3.0	3.0	R	3.5	1.0	2.3	R
405 WNC10RNY4810#-2	3.0	3.0	3.0	R	4.0	2.0	3.0	R
406 GEO2101#-4	3.0	3.0	3.0	R	4.5	1.0	2.8	R
407 SuperGA105#-3	5.0	4.0	4.5	MR	7.5	2.5	5.0	MR
408 Bio 688	7.0	3.0	5.0	MR	4.0	2.0	3.0	R
409 SafalX1#-3	5.0	3.0	4.0	MR	7.5	3.5	5.5	MS
410 Bio 688	3.0	4.0	3.5	MR	5.5	1.5	3.5	MR
411 704-4	5.0	2.0	3.5	MR	4.8	4.0	4.4	MR
412 Bio 688	3.0	4.0	3.5	MR	3.5	1.5	2.5	R
413 SafalX1#	7.0	4.0	5.5	MS	5.0	4.5	4.8	MR
414 EH2212#	7.0	3.0	5.0	MR	3.3	2.0	2.7	R
415 Bio 688-2	5.0	3.0	4.0	MR	6.8	2.0	4.4	MR
416 DKC7074#-2	3.0	3.0	3.0	R	7.0	2.0	4.5	MR
417 Polo#-6	5.0	3.0	4.0	MR	6.0	2.5	4.3	MR
418 Bio 688	5.0	3.0	4.0	MR	6.5	5.5	6.0	MS
419 Acc No. 563953#-2	5.0	3.0	4.0	MR	4.0	6.0	5.0	MR
420 Polo#-5	3.0	2.0	2.5	R	3.5	1.0	2.3	R
421 Acc No. 551794#-3	5.0	3.0	4.0	MR	5.5	5.5	5.5	MS
422 WNC10RNY5183#-4	3.0	4.0	3.5	MR	7.0	5.0	6.0	MS
423 ZH112606F2-1-2-2-1-2-1	5.0	4.0	4.5	MR	6.0	3.5	4.8	MR
424 VH112899F2-1-1-2-2-1-1	5.0	3.0	4.0	MR	8.0	6.5	7.3	S
425 ZH111448F2-2-1-1-2-1-1	5.0	4.0	4.5	MR	4.0	8.0	6.0	MS
426 VH112650F2-2-1-2-3-1-1	5.0	4.0	4.5	MR	5.3	2.5	3.9	MR
427 VH1293F2-1-5-2-1-1-1		3.0	3.0	R	7.0	1.0	4.0	MR
428 ZH115969F2-2-2-2-1-2-1	8.0	6.0	7.0	MS	7.5	5.5	6.5	MS
429 Pro4794F2-19-1-1-2-1-1	5.0	3.0	4.0	MR	6.0	3.0	4.5	MR
430 P3522F2-19-1-1-2-1-1	5.0	3.0	4.0	MR	5.5	3.0	4.3	MR
431 WNC-19207-2-1-1-2-1-1	5.0	3.0	4.0	MR	5.0	2.5	3.8	MR
432 NPool74-1-2-1-1-1-1	5.0	3.0	4.0	MR	6.5	7.5	7.0	MS
433 CP838-1-2-1-2-1	8.0	7.0	7.5	S	4.0	4.0	4.0	MR
434 900 M Gold-1-6-3-3-1-1-1	3.0	3.0	3.0	R	4.5	2.0	3.3	MR
435 QPM-23-1-1-1-1	3.0	5.0	4.0	MR	6.0	1.0	3.5	MR
436 QPM-23-5-1-1	3.0	5.0	4.0	MR	3.5	1.0	2.3	R
437 Super 900 M-1-1-1-1-1	3.0	3.0	3.0	R	4.5	2.0	3.3	MR
438 NK-6240-N 09-163-1	2.0	3.0	2.5	R	3.8	1.0	2.4	R
439 NK-6240-N 09-163-1	2.0	3.0	2.5	R	7.5	1.5	4.5	MR
440 UMI 1220	2.0	3.0	2.5	R	4.0	3.0	3.5	MR
441 P562	3.0	3.0	3.0	R	5.3	1.0	3.2	MR
442 BML5	8.0	7.0	7.5	S	5.5	9.0	7.3	S
443 HQPM-4-13-2-3	9.0	5.0	7.0	MS	3.3	7.5	5.4	MS
444 Jcy-2-7	3.0	3.0	3.0	R	5.5	1.0	3.3	MR
445 MRCHY4895-1	3.0	3.0	3.0	R	5.0	1.0	3.0	R
446 MRCHY4839-1	2.0	3.0	2.5	R	4.5	1.0	2.8	R
447 MRCHY5158-2	3.0	2.0	2.5	R	6.8	1.0	3.9	MR
448 HQPM-5	3.0	3.0	3.0	R	7.5	2.0	4.8	MR
449 900 M Gold-4-1-1-1-1	3.0	3.0	3.0	R	5.3	1.5	3.4	MR
450 CM132	7.0	3.0	5.0	MR	4.5	2.5	3.5	MR
451 CML172	1.0	3.0	2.0	R	4.3	2.0	3.2	MR
452 CML141	3.0	3.0	3.0	R	6.3	1.0	3.7	MR
453 G18seqcef74-2-1	5.0	4.0	4.5	MR	4.0	1.0	2.5	R
454 LM13	3.0	4.0	3.5	MR	5.5	1.0	3.3	MR

Contd.

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Table 15.

S. No. Genotype	Turicum leaf blight (1-9)							
	NHZ				PZ			
	ALMO	BAJA	Av. Score	Reaction	DHAR	MAND	Av. Score	Reaction
455 [CML327xCML287]F2-32-1-B*5-2-B*9	3.0	3.0	3.0	R	5.0	3.5	4.3	MR
456 EYSyn-B-#-1-B-1-B	8.0	5.0	6.5	MS	6.0	3.5	4.8	MR
457 EYSyn-B-#-95-B-1-B	5.0	3.0	4.0	MR	4.5	7.0	5.8	MS
458 MYSyn-A-#-26-B-1-B	3.0	3.0	3.0	R	6.0	1.5	3.8	MR
459 N 09-207-CIMMYT	3.0	3.0	3.0	R	5.0	1.0	3.0	R
460 Ambikapur	3.0	3.0	3.0	R	7.0	3.0	5.0	MR
461 NN42050-1	1.0	3.0	2.0	R	4.8	1.0	2.9	R
Res. Check	-	-	-	-	4.0	2.0	3.0	R
Sus. Check	8.0	8.5	8.3	S	9.0	8.5	8.8	S

Contd.

Res. Check:- CI 4 (Dharwad); NAH 1137 (Mandya)

Sus. Check:- Jonsar local (Almora); NB 3 (Bajaura); CM 202 (Dharwad, Mandya)

Table 15.

S. No.	Genotype	Banded leaf and sheath blight (1-9)					
		NWPZ					
		DELH	KARN	LUDH	PANT	Av. Score	Reaction
1	HY10RN-10235-270-2-2	4.0	2.0	7.5	9.0	5.6	MS
2	EC618234	3.0	2.0	8.0	8.5	5.4	MS
3	EC619101	3.5	1.0	7.1	8.0	4.9	MR
4	DLQ1018-A-1	4.5	2.0	8.0	9.0	5.9	MS
5	WNC11RMP847	6.0	5.0	9.0	9.0	7.3	S
6	BGS337	6.5	1.5	7.5	9.0	6.1	MS
7	4845	4.0	2.0	8.0	9.0	5.8	MS
8	Acc.No.524093	3.5	1.0	8.0	9.0	5.4	MS
9	S99TLYQ-HG-AB*4-32-BBB-1	6.5	1.5	8.5	9.0	6.4	MS
10	CM117-3-4-1	3.0	1.5	7.1	9.0	5.2	MS
11	JCY2-1-2-1	4.6	2.0	7.0	9.0	5.7	MS
12	LM13	5.5	3.0	6.5	9.0	6.0	MS
13	PFSRR9	5.5	5.5	8.0	9.0	7.0	MS
14	JCS2-7ÄÄÄÄ	6.5	3.0	6.5	8.5	6.1	MS
15	EC646016	4.0	2.0	7.5	9.0	5.6	MS
16	NZBOPH	2.5	3.0	7.5	9.0	5.5	MS
17	5153	6.0	1.0	6.5	8.0	5.4	MS
18	JCY3-7ÄÄÄÄ	7.5	6.0	7.5	9.0	7.5	S
19	WNCDMR11R27290	3.0	1.0	7.0	9.0	5.0	MR
20	5023	4.6	5.0	7.5	9.0	6.5	MS
21	CM111 Zeadiplperennis'CM111	4.5	6.0	7.5	9.0	6.8	MS
22	PFSRR3ÄÄÄÄÄÄ	3.5	1.0	6.5	9.0	5.0	MR
23	CM111 Zeadiplperennis'CM111	5.5	1.0	7.5	9.0	5.8	MS
24	S99TLYQ-HG-AB*4-32-BBB-1	5.5	3.5	8.5	9.0	6.6	MS
25	BLS42050-1	3.0	1.5	7.5	9.0	5.3	MS
26	EC672809	4.0	5.0	6.5	9.0	6.1	MS
27	GPM456	4.0	4.5	7.0	9.0	6.1	MS
28	JCS060CH5	7.5	5.0	9.0	9.0	7.6	S
29	JCY2-2-4-1-1	6.0	2.0	7.0	9.0	6.0	MS
30	P72C1XBRASIL-2ÄÄÄÄÄÄÄÄ	3.5	1.0	6.0	9.0	4.9	MR
31	SarhadHSRB	2.5	2.5	8.5	8.0	5.4	MS
32	EC655729	3.5	4.5	7.5	9.0	6.1	MS
33	HQPM-7-4-2-1-1-1-2	3.5	6.0	7.5	9.0	6.5	MS
34	PFSR63	6.5	3.0	8.5	9.0	6.8	MS
35	JCY2-7-1-2-1-5B-1-4-3-1	5.5	5.0	7.5	9.0	6.8	MS
36	NN42050-1	3.5	1.0	7.5	9.0	5.3	MS
37	BGS686-1	4.0	1.0	7.0	9.0	5.3	MS
38	PFSR14-1-2	3.5	2.5	8.5	9.0	5.9	MS
39	4840	3.5	1.5	8.1	9.0	5.5	MS
40	CML420	4.0	3.0	7.0	8.5	5.6	MS
41	LM13	5.5	1.0	5.1	8.5	5.0	MR
42	GPM456	5.0	1.5	8.5	9.0	6.0	MS
43	P6SC6-BBB-19-BBB--6-2	5.0	2.0	8.0	9.0	6.0	MS
44	(CA14502/CA14509)-F2-14-1-BBB-CML451-BBB-OPc14-S1	4.0	1.0	7.5	8.0	5.1	MR
45	Acc.No.563959	4.5	1.5	8.5	9.0	5.9	MS
46	CML269ÄÄÄÄ	5.0	4.5	7.0	9.0	6.4	MS
47	CML327	6.0	5.5	6.5	9.0	6.8	MS
48	EC619005	4.0	3.5	7.5	9.0	6.0	MS
49	NZB2012	4.5	3.5	7.5	9.0	6.1	MS
50	Temp x Trop (H0)QPMÄÄ	3.0	2.0	7.5	9.0	5.4	MS

Contd.

Table 15.

S. No.	Genotype	Banded leaf and sheath blight (1-9)					
		NWPZ					
		DELH	KARN	LUDH	PANT	Av. Score	Reaction
51	5331	3.5	1.5	7.5	8.5	5.3	MS
52	Acc.No.524093	4.5	1.0	7.0	9.0	5.4	MS
53	HY10RN-10235-118-1-4	6.5	3.5	7.5	9.0	6.6	MS
54	JCS796CH8	3.5	3.0	4.1	9.0	4.9	MR
55	S99TLYQ-HG-AB*4-25-BBB-1	3.5	7.0	7.1	8.5	6.5	MS
56	SW92145-2P9S2-##-B*6-1-B-2-B*6	3.5	2.0	8.0	9.0	5.6	MS
57	Acc.No.470144	5.0	2.0	8.0	8.0	5.8	MS
58	GPM342	4.5	4.5	8.0	9.0	6.5	MS
59	4840	3.0	2.0	8.0	9.0	5.5	MS
60	CM117-3-2-1	4.5	5.5	8.0	9.0	6.8	MS
61	EC630409	4.0	2.0	6.5	9.0	5.4	MS
62	EC646016	4.5	1.0	7.0	7.0	4.9	MR
63	PFSR46	5.5	1.0	8.0	9.0	5.9	MS
64	E9G(OT)	4.0	3.0	6.0	9.0	5.5	MS
65	CM119	5.0	2.5	6.9	9.0	5.9	MS
66	LM9	7.0	3.0	8.5	9.0	6.9	MS
67	Hyd05R/13-2	3.5	1.0	7.5	8.0	5.0	MR
68	DMRPE6	6.0	2.0	8.0	9.0	6.3	MS
69	42048-2-2-1-1-2	5.0	1.5	7.0	9.0	5.6	MS
70	4975	4.0	3.0	9.0	9.0	6.3	MS
71	Pop31C4S5B-6-##-1-2-B*5-B1-BB-2-B*7	4.5	3.0	8.0	9.0	6.1	MS
72	ITINA004	4.5	3.0	8.0	9.0	6.1	MS
73	SafalX2#-7	3.5	1.0	7.0	9.0	5.1	MR
74	Krishna Gold#--5	4.0	1.0	7.5	9.0	5.4	MS
75	EC618228#-3	7.0	4.0	8.5	9.0	7.1	MS
76	S 6304	3.0	5.0	8.5	9.0	6.4	MS
77	S 6304	3.5	5.5	6.0	9.0	6.0	MS
78	DKC9106#-3	3.0	2.0	8.0	9.0	5.5	MS
79	Sun234#-3	4.0	5.5	8.1	9.0	6.7	MS
80	Janhit5053#-2	7.5	5.0	8.5	9.0	7.5	S
81	EC440415#-4	4.0	1.0	8.0	9.0	5.5	MS
82	Nirmal3662#-3	6.0	1.0	6.5	9.0	5.6	MS
83	704	4.5	1.5	8.1	9.0	5.8	MS
84	WNC10RNY4810#-2	7.0	2.5	7.0	9.0	6.4	MS
85	GEO2101#-4	4.0	5.5	7.5	9.0	6.5	MS
86	SuperGA105#-3	2.5	6.5	8.0	9.0	6.5	MS
87	Bio 688	7.0	3.0	7.5	9.0	6.6	MS
88	SafalX1#-3	4.0	6.0	7.1	9.5	6.7	MS
89	Bio 688	5.0	3.5	8.5	9.0	6.5	MS
90	704-4	5.0	1.0	6.0	8.0	5.0	MR
91	Bio 688	4.0	3.0	8.0	9.0	6.0	MS
92	SafalX1#	4.5	3.0	8.0	9.0	6.1	MS
93	EH2212#	5.0	1.5	8.0	9.0	5.9	MS
94	Bio 688-2	4.0	1.5	8.5	9.0	5.8	MS
95	DKC7074#-2	5.5	4.0	8.0	9.0	6.6	MS
96	Polo#-6	6.5	1.5	8.0	9.0	6.3	MS
97	Bio 688	5.5	4.0	9.0	9.0	6.9	MS
98	Acc No. 563953#-2	3.5	2.0	9.0	9.0	5.9	MS
99	Polo#-5	4.0	2.0	8.5	9.0	5.9	MS
100	Acc No. 551794#-3	7.0	3.0	8.5	9.0	6.9	MS

Contd.

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Table 15.

S. No.	Genotype	Banded leaf and sheath blight (1-9)					
		NWPZ					Reaction
		DELH	KARN	LUDH	PANT	Av. Score	
101	WNC10RNY5183#-4	7.0	2.5	9.0	9.0	6.9	MS
102	ZH112606F2-1-2-2-1-2-1	3.5	1.0	8.5	9.0	5.5	MS
103	VH112899F2-1-1-2-2-1-1	5.0	2.0	8.5	9.0	6.1	MS
104	ZH111448F2-2-1-1-2-1-1	5.5	5.0	8.0	9.0	6.9	MS
105	VH112650F2-2-1-2-3-1-1	4.0	8.5	9.0	9.0	7.6	S
106	VH1293F2-1-5-2-1-1-1	4.5	3.0	7.5	9.0	6.0	MS
107	ZH115969F2-2-2-2-1-2-1	5.5	1.5	8.5	9.0	6.1	MS
108	Pro4794F2-19-1-1-2-1-1	6.5	6.0	7.5	8.5	7.1	MS
109	P3522F2-19-1-1-2-1-1	4.5	6.5	6.9	9.5	6.9	MS
110	WNC-19207-2-1-1-2-1-1	5.5	1.0	6.0	9.0	5.4	MS
111	NPool74-1-2-1-1-1-1	3.5	5.0	8.0	9.0	6.4	MS
112	CP838-1-2-1-2-1	5.0	5.5	7.5	9.0	6.8	MS
113	900 M Gold-1-6-3-3-1-1-1	6.0	4.5	9.1	9.0	7.2	S
114	QPM-23-1-1-1-1	4.5	1.0	8.0	9.0	5.6	MS
115	QPM-23-5-1-1	4.5	4.0	7.5	9.0	6.3	MS
116	Super 900 M-1-1-1-1-1	4.5	6.0	8.0	9.5	7.0	MS
117	NK-6240-N 09-163-1	4.0	4.0	8.5	9.0	6.4	MS
118	NK-6240-N 09-163-1	4.6	2.0	8.5	9.0	6.0	MS
119	UMI 1220	3.0	1.5	5.0	9.0	4.6	MR
120	P562	3.5	3.0	7.5	9.0	5.8	MS
121	BML5	3.0	6.5	8.5	9.0	6.8	MS
122	HQPM-4-13-2-3	4.5	3.5	8.5	9.0	6.4	MS
123	Jcy-2-7	4.0	2.0	6.0	9.0	5.3	MS
124	MRCHY4895-1	5.0	7.0	7.5	9.0	7.1	MS
125	MRCHY4839-1	5.5	2.0	6.5	9.0	5.8	MS
126	MRCHY5158-2	3.5	3.0	7.0	9.0	5.6	MS
127	HQPM-5	3.5	3.5	8.0	9.0	6.0	MS
128	900 M Gold-4-1-1-1-1	5.0	3.0	9.0	9.0	6.5	MS
129	CM132	4.0	3.0	9.0	8.5	6.1	MS
130	CML172	6.0	7.5	6.0	6.5	6.5	MS
131	CML141	5.0	2.5	6.5	9.0	5.8	MS
132	G18seqcef74-2-1	5.0	2.0	7.0	9.0	5.8	MS
133	LM13	3.5	3.5	6.5	8.5	5.5	MS
134	[CML327xCML287]F2-32-1-B*5-2-B*9	4.5	1.5	8.0	9.0	5.8	MS
135	EYSyn-B-#-1-B-1-B	4.0	2.0	7.5	9.0	5.6	MS
136	EYSyn-B-#-95-B-1-B	6.0	2.0	7.5	8.0	5.9	MS
137	MYSyn-A-#-26-B-1-B	4.5	5.0	8.5	9.0	6.8	MS
138	N 09-207-CIMMYT	5.0	1.5	6.5	9.0	5.5	MS
139	Ambikapur	6.5	4.5	8.0	9.0	7.0	MS
140	NN42050-1	3.0	1.0	7.9	9.0	5.2	MS
	Sus. Check	9.0	6.0	9.0	9.0	8.3	S

Contd.

Sus. Check:- CM 500 (Delhi); CM 600 (Karnal, Ludhiana, Pantnagar)

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Table 15.

S. No.	Genotype	Charcoal rot (1-9)					
		NWPZ				PZ	
		DELH	LUDH	Av. Score	Reaction	HYDE	Reaction
1	ZH114207F2-1-2-1-2-1-1-1#	-	7.2	7.2	S	7.4	S
2	VH101421F2-1-2-1-1-2-1-2#	-	4.3	4.3	MR	7.4	S
3	VH112450F2-1-2-1-2-1-1-1#	-	3.7	3.7	MR	8.0	S
4	ZH111470F2-1-1-2-1-1-1-1#	-	3.4	3.4	MR	6.3	MS
5	VH12208F2-1-2-1-2-1-1-2#	-	3.8	3.8	MR	6.5	MS
6	VH112899F2-1-1-2-2-1-1-1#	-	4.6	4.6	MR	7.7	S
7	VH101429F2-1-1-2-1-2-1-2#	-	5.8	5.8	MS	7.9	S
8	ZH111929F2-1-1-2-2-1-1-1#	-	3.8	3.8	MR	6.3	MS
9	VH12334F2-1-1-2-1-2-1-2#	-	7.2	7.2	S	5.7	MS
10	ZH111670F2-2-1-2-1-1-1-2#	-	4.5	4.5	MR	7.9	S
11	VH121038F2-1-2-2-1-1-1-1#	-	3.6	3.6	MR	7.4	S
12	VH121038F2-2-3-2-1-1-2-2#	-	3.7	3.7	MR	-	-
13	VH1233F2-1-2-2-1-3-1-2#	-	3.2	3.2	MR	6.5	MS
14	VH126F2-3-2-1-2-1-1-1#	-	4.8	4.8	MR	7.0	MS
15	VH112651F2-1-2-1-2-2-1-2#	-	5.0	5.0	MR	7.2	S
16	VH1252F2-1-2-5-2-1-1-2#	-	4.1	4.1	MR	7.4	S
17	ZH111673F2-1-4-3-1-1-1-2#	-	3.7	3.7	MR	5.4	MS
18	VH1293F2-1-5-2-1-1-1-2#	-	4.1	4.1	MR	8.2	S
19	VH121048F2-1-4-2-1-1-1-2#	-	4.4	4.4	MR	3.1	R
20	VH1289F2-1-3-2-3-2-1-2#	-	4.1	4.1	MR	6.8	MS
21	VH112450F2-1-2-1-2-1-1-1#	-	5.3	5.3	MS	7.3	S
22	ZH111688F2-2-5-3-2-1-1-2#	-	5.8	5.8	MS	6.7	MS
23	VH1230F2-2-4-1-2-1-1-2#	-	5.8	5.8	MS	5.3	MS
24	VH12217F2-2-2-1-1-1-1-1#	-	4.5	4.5	MR	6.7	MS
25	CP838F2-17-1-1-4-2-1-1#	-	4.6	4.6	MR	3.9	MR
26	DKC9081F2-20-1-1-3-3-1-1#	-	5.6	5.6	MS	6.1	MS
27	HQPM-1F2-26-6-1-1-2-1-1-2#	-	5.7	5.7	MS	7.0	MS
28	Pro4794F2-19-1-1-2-1-1-2#	-	5.4	5.4	MS	6.8	MS
29	Bio-9681F2-12-1-1-2-1-1-2#	-	4.9	4.9	MR	6.5	MS
30	P3522F2-19-1-1-2-1-1-2#	-	5.1	5.1	MR	7.3	S
31	30V92F2-11-1-1-1-1-1-2#	-	4.1	4.1	MR	7.1	MS
32	DHM-117F2-3-2-1-1-1-1-1#	-	5.9	5.9	MS	5.8	MS
33	WNC-19199-1-2-1-2-1-2-1#	-	3.5	3.5	MR	4.9	MR
34	VL1010861-1-2-1-1	-	3.8	3.8	MR	7.9	S
35	VL108706-2-1-1-2-1-2#	-	3.6	3.6	MR	7.9	S
36	ZL124429-2-1-1-1-1-1#	-	3.7	3.7	MR	5.5	MS
37	ZL126608-2-1-1-2	-	5.9	5.9	MS	5.3	MS
38	ZH111454F2-1-2-2-1-1#-1-1	-	4.1	4.1	MR	5.7	MS
39	VH112935F2-2-2-1-2-1#-1-1	-	3.1	3.1	R	8.0	S
40	VH112922F2-2-2-1-1-1#-1-1	-	6.3	6.3	MS	7.4	S
41	VH112934F2-2-1-1-1-1#-1-2	-	4.3	4.3	MR	7.2	S
42	ZH111878F2-1-2-1-2-1#-1-1	-	4.6	4.6	MR	7.9	S
43	ZH112632F2-2-2-2-1-1#-1-2	-	4.6	4.6	MR	8.0	S
44	ZH112645F2-1-2-1-1-1#-2-1	-	4.5	4.5	MR	7.5	S
45	VH112934F2-2-2-1-2-1#-1-2	-	5.5	5.5	MS	6.9	MS
46	ZH111402F2-1-2-1-1-1#-1-2	-	6.8	6.8	MS	6.5	MS
47	ZH112718F2-1-2-1-2-1#-1-2	-	5.6	5.6	MS	8.0	S
48	VH1248F2-1-2-1-1-2#-1-1	-	4.5	4.5	MR	7.5	S

Contd.

Table 15.

S. No.	Genotype	Charcoal rot (1-9)					
		NWPZ				PZ	
		DELH	LUDH	Av. Score	Reaction	HYDE	Reaction
49	VH12258F2-2-2-1-1-1#-1-2	-	4.0	4.0	MR	5.2	MS
50	VH112880F2-1-2-1-1-1#-1-1	-	5.7	5.7	MS	7.6	S
51	VH1241F2-2-2-1-1-1#-1-2	-	4.9	4.9	MR	7.2	S
52	ZH114187F2-1-2-2-1-1#-1-1	-	3.0	3.0	R	7.4	S
53	ZH115982F2-1-2-1-1-1#-1-1	-	4.9	4.9	MR	8.0	S
54	VH112950F2-2-2-2-1-1#-1-1	-	3.6	3.6	MR	7.7	S
55	ZH111450F2-1-2-1-1-2#-1-1	-	5.9	5.9	MS	5.5	MS
56	ZH12426F2-1-2-1-2-1#-1-2	-	5.7	5.7	MS	7.2	S
57	ZH111468F2-1-2-1-1-1#-1-1	-	5.0	5.0	MR	7.1	MS
58	ZH111948F2-2-2-1-2-1#-1-2	-	4.2	4.2	MR	4.7	MR
59	VH113036F2-1-2-1-1-2#-1-1	-	5.6	5.6	MS	8.6	S
60	VH12280F2-1-2-1-1-1#-1-1	-	3.1	3.1	R	5.9	MS
61	VH112433F2-2-2-1-2-1#-1-2	-	4.0	4.0	MR	5.9	MS
62	VH112970F2-1-2-2-1-1#-1-2	-	6.0	6.0	MS	6.6	MS
63	VH12282F2-1-2-1-1-1#-2-1	-	4.6	4.6	MR	6.7	MS
64	VH101411F2-A2-1-1-1-1#-1-2	-	5.0	5.0	MR	8.2	S
65	ZH116017F2-1-2-1-1-1#-1-1	-	5.4	5.4	MS	7.8	S
66	ZH115966F2-1-2-1-1-2#-1-2	-	5.9	5.9	MS	6.9	MS
67	ZH116096F2-1-2-1-1-1#-1-2	-	4.5	4.5	MR	7.0	MS
68	ZH116114F2-1-2-1-1-2#-1-2	-	3.1	3.1	R	6.3	MS
69	VH112914F2-1-2-1-2-1#-1-1	-	4.8	4.8	MR	4.7	MR
70	VH12277F2--2-2-2-2#-1-2	-	4.8	4.8	MR	4.6	MR
71	VH113014F2-1-2-1-1-1#-1-2	-	4.6	4.6	MR	1.9	R
72	VH113021F2-1-2-1-1-1#-1-1	-	4.5	4.5	MR	5.5	MS
73	VH112733F2-1-2-1-1-1#-1-1	-	5.3	5.3	MS	6.1	MS
74	VH1279F2-1-2-1-1-1#-1-2#	-	3.8	3.8	MR	5.8	MS
75	VH121043F2-2-2-2-1-1#-1-1	-	5.6	5.6	MS	5.5	MS
76	VH121086F2-1-2-1-1-1#-1-1	-	5.5	5.5	MS	7.7	S
77	ZH114235F2-1-2-2-1-1#-1-1	-	5.1	5.1	MR	6.6	MS
78	AH1222F2-2-2-1-1-1#-1-2	-	4.2	4.2	MR	7.5	S
79	VH1212F2-1-2-1-2-1#-1-1	-	3.0	3.0	R	8.0	S
80	VH12285F2-1-2-1-1-1#-1-1	-	4.0	4.0	MR	7.8	S
81	VH112476F2-2-2-1-1-1#-2-2	-	5.2	5.2	MS	5.5	MS
82	VH1250F2-1-2-1-1-1#-1-2	-	5.3	5.3	MS	7.5	S
83	VH12141F2-1-1-2-2-2#-1-1	-	4.7	4.7	MR	6.8	MS
84	VH126F2-1-2-1-1-1#-1-1	-	4.5	4.5	MR	7.7	S
85	VH126F2-2-2-1-2-1#-1-2	-	4.1	4.1	MR	8.3	S
86	AH1223F2-2-2-1-1-1#-2-2	-	3.3	3.3	MR	6.4	MS
87	VH1252F2-2-2-1-1-1#-1-2	-	4.7	4.7	MR	6.3	MS
88	VH127F2-2-2-1-1-1#-1-1	-	4.1	4.1	MR	7.7	S
89	VH112900F2-1-2-1-2-1#-1-2	-	5.0	5.0	MR	4.8	MR
90	VH112445F2-1-2-2-1-1#-1-1	-	5.7	5.7	MS	7.1	MS
91	VH12337F2-1-2-1-1-1#-1-1	-	5.2	5.2	MS	7.8	S
92	ZH116002F2-2-2-1-1-1#-1-1	-	4.0	4.0	MR	7.1	MS
93	ZH115971F2-2-2-1-1-2#-1-1	-	4.2	4.2	MR	7.4	S
94	ZH112687F2-3-2-2-1-1-1-1#	-	4.9	4.9	MR	5.9	MS
95	Bio 9681F2-1-2-1-1-1#-2-1	-	3.9	3.9	MR	7.7	S
96	VH12192F2-2-2-1-2-1#-1-1	-	4.7	4.7	MR	8.0	S

Contd.

Table 15.

S. No.	Genotype	Charcoal rot (1-9)					
		NWPZ				PZ	
		DELH	LUDH	Av. Score	Reaction	HYDE	Reaction
97	VH112310F2-2-2-2-1-1#-1-2	-	4.0	4.0	MR	7.5	S
98	VH1277F2-2-2-1-1-1#-1-2	-	3.9	3.9	MR	7.2	S
99	ZH112709F2-1-2-1-1-1#-1-2	-	6.0	6.0	MS	5.7	MS
100	VH112412F2-1-2-1-1-1#-1-1	-	7.1	7.1	MS	8.9	S
101	VH112551F2-2-2-1-1-1#-1-2	-	6.6	6.6	MS	7.9	S
102	VH11124F2-2-2-1-1-1#-1-2	-	4.7	4.7	MR	5.0	MR
103	VH11124F2-2-2-1-1-1#-1-2	-	4.2	4.2	MR	4.4	MR
104	VH113028F2-1-2-1-1-1#-1-2	-	3.9	3.9	MR	6.6	MS
105	ZH112650F2-2-1-1-1-1#-1-2	-	6.1	6.1	MS	7.9	S
106	VH112467F2-2-2-1-2-1#-1-1	-	4.1	4.1	MR	7.6	S
107	VH112892F2-2-2-1-2-1#-1-2	-	6.4	6.4	MS	7.0	MS
108	VH12197F2-1-2-1-1-1#-1-1	-	3.1	3.1	R	5.1	MR
109	ZH114188F2-2-2-2-1-1#-1-1	-	6.8	6.8	MS	7.2	S
110	CP838F2-18-1-1-1-2#-2	-	4.5	4.5	MR	6.9	MS
111	CP838F2-25-1-1-2-1#-2	-	4.5	4.5	MR	7.4	S
112	PinnacleF2-25-2-2-1-2#-2	-	7.5	7.5	S	8.5	S
113	S 900MF2-5-1-1-1-2#-2	-	7.1	7.1	MS	6.3	MS
114	S 900MF2-5-3-2-1-2#-1	-	5.9	5.9	MS	7.1	MS
115	B9637F2-3-1-1-2-1#-1	-	4.7	4.7	MR	7.2	S
116	B9637F2-7-1-1-1-1#-1	-	5.7	5.7	MS	7.7	S
117	DKC9081F2-7-1-1-2-1#-1	-	5.6	5.6	MS	1.9	R
118	DHM117F2-23-1-1-2-1#-2	-	4.8	4.8	MR	8.2	S
119	HQPM-1F2-26-13-3-1-1-2#-1	-	6.5	6.5	MS	6.0	MS
120	HQPM-1F2-26-14-2-2-2-1#-2	-	6.3	6.3	MS	8.0	S
121	Pro4794F2-11-2-1-2-1#-2	-	5.4	5.4	MS	6.4	MS
122	Pro4794F2-19-1-1-2-1#-1	-	3.9	3.9	MR	5.1	MR
123	B9681F2-7-1-1-1-2#-2	-	4.3	4.3	MR	7.9	S
124	Bi9681F2-8-1-1-2-1#-1	-	3.6	3.6	MR	7.0	MS
125	KsudhaF2-21-1-1-2-1#-1	-	4.5	4.5	MR	6.9	MS
126	900MGF2-21-3-1-2-1#-1	-	7.4	7.4	S	6.5	MS
127	NK6240F2-10-2-1-2-1#-1	-	5.2	5.2	MS	7.7	S
128	NK6240F2-25-2-1-2-1#-1	-	3.1	3.1	R	8.3	S
129	P3522F2-1-2-1-1-1#-1	-	4.2	4.2	MR	8.0	S
130	P3522F2-25-2-1-1-2#-2	-	4.8	4.8	MR	6.1	MS
131	30V92F2-22-2-1-1-2#-1	-	5.0	5.0	MR	7.8	S
132	NPool41-4-1-1-1-1-1#	-	3.5	3.5	MR	7.2	S
133	NPool43-4-1-1-2-1-1-21	-	4.4	4.4	MR	7.4	S
134	NPool43-5-2-1-1-2-1-1#	-	4.5	4.5	MR	7.6	S
135	NPool44-1-1-1-1-1-1-1#	-	7.0	7.0	MS	6.6	MS
136	NPool46-5-2-1-2-1-1-1#	-	3.1	3.1	R	6.9	MS
137	NPool58-7-2-1-2-1-1-1#	-	5.7	5.7	MS	9.0	S
138	NPool59-2-2-1-2-1-1-2#	-	4.3	4.3	MR	7.9	S
139	D117F2-8-2-1-1-1-1-1#	-	4.4	4.4	MR	-	-
140	PinnacleF2-1-2-1-1-1-2-1#	-	3.5	3.5	MR	7.1	MS
141	S 900MF2-2-1-1-1-2#-2	-	3.9	3.9	MR	5.5	MS
142	P3522F2-1-2-2-1-2-2-1#	-	5.3	5.3	MS	7.4	S
143	30V92F2-1-2-1-1-2-1-1#	-	4.4	4.4	MR	7.7	S
144	SP-Red-1-A2-1-1-2-1-1#	-	4.5	4.5	MR	6.9	MS

Contd.

Table 15.

S. No.	Genotype	Charcoal rot (1-9)					
		NWPZ				PZ	
		DELH	LUDH	Av. Score	Reaction	HYDE	Reaction
145	HKI-163-2-1-2-3-1-2-2#-1	-	4.6	4.6	MR	8.2	S
146	MPSATC-14-25-2-1-2-1-2-2#	-	4.8	4.8	MR	6.6	MS
147	MPSATC-14-25-3-1-2-1-2-2#	-	5.5	5.5	MS	6.7	MS
148	MPSATC-214-13-2-1-2-1-2#	-	5.1	5.1	MR	6.7	MS
149	900MF2-4-1-2-2-1-1#	-	5.2	5.2	MS	7.4	S
150	900MF2-10-1-2-1-1-1#	-	5.4	5.4	MS	6.3	MS
151	WNC18242-1-2-1-1-1-2#	-	5.0	5.0	MR	5.9	MS
152	WNC19152-2-1-1-2-1-1#	-	3.9	3.9	MR	8.0	S
153	VL109180-1-2-2-1-2-1#	-	4.4	4.4	MR	2.7	R
154	VL106-1-2-2-1-1-1#	-	4.7	4.7	MR	7.0	MS
155	VL1018510-1-2-2-1-2-1#	-	4.7	4.7	MR	7.0	MS
156	VL108331-1-1-2-1-2-1#	-	3.4	3.4	MR	6.9	MS
157	VL105542-1-2-1-2-1-2#	-	5.7	5.7	MS	7.2	S
158	ZL124463-2-1-1-1-1-1#	-	4.5	4.5	MR	6.8	MS
159	ZL124429-2-1-1-1-1-1#	-	4.5	4.5	MR	8.5	S
160	ZL114841-2-2-1-2-1-1#	-	4.1	4.1	MR	6.8	MS
161	VL109289-2-2-1-1-1-2#	-	5.6	5.6	MS	7.6	S
162	ZL11428-2-1-1-1-2-2#	-	4.3	4.3	MR	6.4	MS
163	LMDR-1	4.0	3.6	3.8	MR	7.3	S
164	LMDR-10	4.7	6.3	5.5	MS	6.4	MS
165	LMDR-11	-	-	-	-	7.8	S
166	LMDR-2	3.3	3.0	3.1	R	8.0	S
167	LMDR-3	6.5	3.0	4.7	MR	7.3	S
168	LMDR-4	4.4	3.7	4.1	MR	8.6	S
169	LMDR-5	6.8	5.4	6.1	MS	8.0	S
170	LMDR-6	5.0	5.5	5.2	MS	7.3	S
171	LMDR-7	4.9	3.9	4.4	MR	6.5	MS
172	LMDR-8	4.2	3.0	3.6	MR	7.1	MS
	Res. Check	2.0	2.8	2.4	R	2.9	R
	Sus. Check	7.0	6.6	6.8	MS	7.2	S
	Local Check	-	-	-	-	6.7	MS

Contd.

Res. Check:- CM 500 (Delhi); JCY2-7 (Hyderabad); PMH 1 (Ludhiana)**Sus. Check:-** CM 501 (Delhi, Hyderabad); CM 140 (Ludhiana)**Local Check:-** BML 6 (Hyderabad)

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Table 15.

S. No.	Genotype	SDM (%)	
		PZ	
		MAND	Reaction
1	VH12285F2-2-3-1-1-1-1-1#	100	S
2	VH12207F2-1-1-1-1-1-1-2	100	S
3	ZH112700F2-2-2-1-1-1-1-1	100	S
4	VH1248F2-2-2-2-1-1-1-2	100	S
5	VH112948F2-2-2-1-1-1-1-2	100	S
6	ZH112622F2-1-2-1-1-1-1-2	75	S
7	ZH116117F2-1-2-1-1-2-1-1	90	S
8	VH1275F2-1-2-1-1-1-1-2	100	S
9	VH12257F2-1-2-2-1-1-1-2	93	S
10	ZH115962F2-1-2-1-1-1-1-1	100	S
11	ZH12421F2-2-2-1-1-1-1-1	90	S
12	ZH12424F2-1-2-1-1-1-1-1	100	S
13	VH1215F2-1-1-1-1-1-1-1	100	S
14	VH12277F2-2-2-1-1-2-1-2	100	S
15	VH12141F2-1-2-1-1-2-1-1	100	S
16	VH113025F2-2-2-1-1-1-1-2	100	S
17	VH101495F2-2-2-1-1-1-1-2	100	S
18	VH12157F2-2-1-1-1-1-1-2	100	S
19	AH1222F2-2-2-1-1-1-1-1	100	S
20	VH1224F2-1-2-1-2-1-1-2	100	S
21	VH112995F2-1-2-1-1-1-1-2	100	S
22	VH112650F2-1-2-1-1-2-1-1	100	S
23	VH112296F2-1-2-1-1-1-1-2	100	S
24	VH112473F2-2-2-1-1-1-1-1	70	S
25	ZH112687F2-1-2-1-1-1-1-1	100	S
26	ZH112014F2-1-2-2-1-1-1-1	100	S
27	PinnacleF2-7-1-1-1-2-1	100	S
28	Pro4794F2-2-2-2-1-2-1	100	S
29	B9681F2-10-1-1-1-1-1	100	S
30	STK2324F2-10-2-1-1-1-1	100	S
31	P3785F2-10-2-1-2-1-2	90	S
32	30V92F2-25-1-1-2-1-1	100	S
33	NPool37-5-1-2-1-1-1-2#	100	S
34	NPool43-1-1-1-1-1-1-2#	100	S
35	NPool43-3-1-1-1-2-1-1#	100	S
36	NPool44-2-2-1-2-1-1-1#	100	S
37	NPool46-5-2-1-2-1-1-1#	100	S
38	NPool47-1-1-1-1-1-1-2#	100	S
39	NPool53-1-2-1-1-1-1-2#	100	S
40	900MGF2-1-2-2-1-1-1-2	100	S
41	SP-Red-2-1-1-1-2-1#	100	S
42	SC-V1-2-1-1-2-1-1	100	S

Contd.

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Table 15.

S. No.	Genotype	SDM (%)	
		PZ	
		MAND	Reaction
43	HKI-163-1-1-2-3-1-2-1#-1	100	S
44	MPSATC-14-04-1-2-1-2-2#	100	S
45	900MF2-5-1-1-2-2-1#	100	S
46	900MF2-7-1-1-1-2-1#	100	S
47	ZL12137-1-2-1-2-1-1#	100	S
48	VL103-1-1-1-1-2-2#	100	S
49	VL1043-2-1-1-2	100	S
50	VL105542-1-2-1-2-1-2#	100	S
51	VL108727-1-2-1-2-2-1#	100	S
52	VL1018391-2-1-1-2-2-1#	100	S
53	HY10RN-10235-270-2-2	100	S
54	EC618234	100	S
55	EC619101	100	S
56	DLQ1018-A-1	100	S
57	WNC11RMP847	100	S
58	BGS337	50	MS
59	4845	100	S
60	Acc.No.524093	100	S
61	S99TLYQ-HG-AB*4-32-BBB-1	89	S
62	CM117-3-4-1	100	S
63	JCY2-1-2-1	100	S
64	LM13	100	S
65	PFSRR9	100	S
66	JCS2-7ÄÄÄÄ	88	S
67	EC646016	88	S
68	NZBOPH	100	S
69	5153	83	S
70	JCY3-7ÄÄÄÄ	88	S
71	WNCDMR11R27290	100	S
72	5023	100	S
73	CM111'Zeadiploperennis'CM111	100	S
74	PFSRR3ÄÄÄÄÄÄ	75	S
75	CM111'Zeadiploperennis'CM111	100	S
76	S99TLYQ-HG-AB*4-32-BBB-1	92	S
77	BLS42050-1	95	S
78	EC672809	17	MR
79	GPM456	100	S
80	JCS060CH5	100	S
81	JCY2-2-4-1-1	100	S
82	P72C1XBRASIL-2ÄÄÄÄÄÄÄÄ	100	S
83	SarhadHSRB	50	MS
84	EC655729	100	S

Contd.

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Table 15.

S. No.	Genotype	SDM (%)	
		PZ	
		MAND	Reaction
85	HQPM-7-4-2-1-1-1-2	100	S
86	PFSR63	100	S
87	JCY2-7-1-2-1-5B-1-4-3-1	100	S
88	NN42050-1	100	S
89	BGS686-1	100	S
90	PFSR14-1-2	100	S
91	4840	100	S
92	CML420	69	S
93	LM13	100	S
94	GPM456	100	S
95	P6SC6-BBB-19-BBB--6-2	100	S
96	(CA14502/CA14509)-F2-14-1-BBB-CML451-BBB-OPc14-S1	71	S
97	Acc.No.563959	100	S
98	CML269ÄÄÄÄ	75	S
99	CML327	100	S
100	EC619005	94	S
101	NZB2012	100	S
102	Temp x Trop (H0)QPMÄÄ	64	S
103	5331	100	S
104	Acc.No.524093	100	S
105	HY10RN-10235-118-1-4	100	S
106	JCS796CH8	100	S
107	S99TLYQ-HG-AB*4-25-BBB-1	100	S
108	SW92145-2P9S2-##-B*6-1-B-2-B*6	100	S
109	Acc.No.470144	100	S
110	GPM342	100	S
111	4840	61	S
112	CM117-3-2-1	100	S
113	EC630409	100	S
114	EC646016	63	S
115	PFSR46	100	S
116	E9G(OT)	33	MS
117	CM119	100	S
118	LM9	100	S
119	Hyd05R/13-2	100	S
120	DMRPE6	94	S
121	42048-2-2-1-1-1-2	88	S
122	4975	100	S
123	Pop31C4S5B-6-##-1-2-B*5-B1-BB-2-B*7	73	S
124	ITINA004	100	S
125	SafalX2#-7	100	S
126	Krishna Gold#--5	50	MS

Contd.

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Table 15.

S. No.	Genotype	SDM (%)	
		PZ	
		MAND	Reaction
127	EC618228#-3	100	S
128	S 6304	100	S
129	S 6304	100	S
130	DKC9106#-3	100	S
131	Sun234#-3	100	S
132	Janhit5053#-2	100	S
133	EC440415#-4	100	S
134	Nirmal3662#-3	92	S
135	704	100	S
136	WNC10RNY4810#-2	25	MR
137	GEO2101#-4	100	S
138	SuperGA105#-3	100	S
139	Bio 688	100	S
140	SafalX1#-3	100	S
141	Bio 688	93	S
142	704-4	100	S
143	Bio 688	100	S
144	SafalX1#	100	S
145	EH2212#	94	S
146	Bio 688-2	100	S
147	DKC7074#-2	100	S
148	Polo#-6	100	S
149	Bio 688	100	S
150	Acc No. 563953#-2	100	S
151	Polo#-5	50	MS
152	Acc No. 551794#-3	100	S
153	WNC10RNY5183#-4	100	S
154	ZH112606F2-1-2-2-1-2-1	100	S
155	VH112899F2-1-1-2-2-1-1	100	S
156	ZH111448F2-2-1-1-2-1-1	100	S
157	VH112650F2-2-1-2-3-1-1	100	S
158	VH1293F2-1-5-2-1-1-1	100	S
159	ZH115969F2-2-2-2-1-2-1	75	S
160	Pro4794F2-19-1-1-2-1-1	93	S
161	P3522F2-19-1-1-2-1-1	92	S
162	WNC-19207-2-1-1-2-1-1	50	MS
163	NPool74-1-2-1-1-1-1	100	S
164	CP838-1-2-1-2-1	100	S
165	900 M Gold-1-6-3-3-1-1-1	100	S
166	QPM-23-1-1-1-1	100	S
167	QPM-23-5-1-1	100	S
168	Super 900 M-1-1-1-1-1	100	S

Contd.

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Table 15.

S. No.	Genotype	SDM (%)	
		PZ	
		MAND	Reaction
169	NK-6240-N 09-163-1	100	S
170	NK-6240-N 09-163-1	100	S
171	UMI 1220	94	S
172	P562	100	S
173	BML5	100	S
174	HQPM-4-13-2-3	100	S
175	Jcy-2-7	92	S
176	MRCHY4895-1	100	S
177	MRCHY4839-1	100	S
178	MRCHY5158-2	100	S
179	HQPM-5	64	S
180	900 M Gold-4-1-1-1-1	100	S
181	CM132	100	S
182	CML172	100	S
183	CML141	88	S
184	G18seqcef74-2-1	88	S
185	LM13	75	S
186	[CML327xCML287]F2-32-1-B*5-2-B*9	100	S
187	EYSyn-B-#-1-B-1-B	100	S
188	EYSyn-B-#-95-B-1-B	100	S
189	MYSyn-A-#-26-B-1-B	100	S
190	N 09-207-CIMMYT	92	S
191	Ambikapur	83	S
192	NN42050-1	100	S
	Res. Check (NAH 1137)	11	MR
	Sus. Check (CM 500)	85	S

Table 16. Multilocation evaluation of maize genotypes against PFSR

S. No.	Pedigree	Post flowering stalk rots (1-9)					
		C.Rot				FSR	
		NWPZ				CWZ	
		DELH	LUDH	Av. Score	Reaction	UDAI	Reaction
1	AF-04-B-5779-22-3-3-2-2-1-1-2-Ä-1-1-1-1	3.4	4.0	3.7	MR	6.4	MS
2	AF-04-B-5779-22-3-3-2-2-1-1-2-Ä-1-1-1-2	3.3	3.2	3.3	MR	7.7	S
3	AF-04-B-5779-22-3-3-2-2-1-1-2-Ä-1-1-2-1	2.9	6.2	4.6	MR	5.3	MS
4	AF-04-B-5779-22-3-3-2-2-1-1-2-Ä-1-1-2-2	3.0	4.6	3.8	MR	7.8	S
5	PFSR (Y)-C0-1-Ä-4-1Ä-1-1-1-3Ä-1-1-2-1-2-Ä-1-1-1	3.1	5.5	4.3	MR	5.8	MS
6	PFSR (Y)-C0-3Ä-1-1-1-1-1-Ä-2-1-1-1	3.2	7.2	5.2	MS	5.0	MR
7	PFSR (Y)-C0-3Ä-1-1-1-1-1-Ä-2-1-1-2	2.7	4.6	3.7	MR	6.0	MS
8	North east 4-1 (N)- Ä-1-1-2-Ä-1-1-1-1	3.5	6.0	4.8	MR	5.0	MR
9	North east 4-1 (N)- Ä-1-1-2-Ä-1-1-1-2	3.8	4.4	4.1	MR	5.5	MS
10	PFSR (Y)-C1-B Ä-1-1-1-1-Ä-1-1-1-1	3.5	5.8	4.7	MR	6.7	MS
11	PFSR (Y)-C1-B Ä-1-1-1-1-Ä-1-1-2-1	2.9	4.0	3.5	MR	5.1	MR
12	PFSR (Y)-C0 Ä-2-1-1-1-Ä-2-1-1-1	1.6	6.6	4.1	MR	5.4	MS
13	PFSR (Y)-C0 Ä-2-1-1-1-Ä-2-1-1-2	3.2	5.6	4.4	MR	6.4	MS
14	PFSR (Y)-C0 Ä-2-1-1-1-Ä-2-1-2-1	3.0	5.6	4.3	MR	5.9	MS
15	CML 370-1-2-1-1-1-1-Ä-1-1-1-1	1.0	3.0	2.0	R	5.0	MR
16	CML 370-1-2-1-1-1-1-Ä-1-1-1-2	1.0	3.8	2.4	R	5.5	MS
17	CML 370-1-2-1-1-1-1-Ä-1-1-2-1	1.4	NG	1.4	R	5.8	MS
18	JCY3-7-1-2-1-1-6-1-2-1-1-1-1-2-Ä-1-1-1-1	2.0	5.6	3.8	MR	5.2	MS
19	CML 269-1-2-1-1-2-Ä-2-1-1	1.2	3.8	2.5	R	7.2	S
20	TL02A-1184A-32-4-1-1-1-2-2-1-Ä-3-1-1-1	2.1	7.0	4.6	MR	6.4	MS
21	TL02A-1184A-32-4-1-1-1-2-2-1-Ä-3-1-1-2	3.1	6.2	4.7	MR	6.8	MS
22	AF-04-B-5796-A-7-1-2-2-1-2-1-1-Ä-1-1-1-1(B)-1	3.3	5.2	4.3	MR	5.2	MS
23	AF-04-B-5796-A-7-1-2-2-1-2-1-1-Ä-1-1-1-1(B)-2	3.6	3.6	3.6	MR	7.5	S
24	V338-1Ä-1-1-1-1-Ä-1-1-1-1	3.4	8.0	5.7	MS	5.1	MR
25	V338-1Ä-1-1-1-1-Ä-2-1-1-1-1	3.6	3.6	3.6	MR	7.2	S
26	PFSR (Y)-C0-3Ä-1-2-1-Ä-1-1-1-1 (B)	4.0	7.2	5.6	MS	6.0	MS
27	PFSR (Y)-C0-3Ä-1-2-1-Ä-1-1-1-1	3.4	4.0	3.7	MR	7.5	S
28	PFSR (Y)-C0-3Ä-1-2-1-Ä-1-1-1-2	3.5	3.2	3.4	MR	6.4	MS
29	North east 4-1 (N)-1-Ä-1-1-1-1-1	2.8	4.8	3.8	MR	5.2	MS
30	Indimyt-145 Ä-1-1-1-1-Ä-1-1-2-1	3.2	3.8	3.5	MR	6.1	MS
31	Indimyt-145 Ä-1-1-1-1-Ä-1-1-2-2	3.5	3.0	3.3	MR	5.7	MS
32	CML 342 - 1-1-2-Ä-1-1-2-1	4.5	5.6	5.1	MR	5.5	MS
33	CML 342 - 1-1-2-Ä-1-1-2-2	4.0	4.8	4.4	MR	5.4	MS
34	CM 115-4-2-3-2-2-1-2-2-1-Ä-1-1-1-1	6.7	5.7	6.2	MS	7.3	S
35	CM 115-4-2-3-2-2-1-2-2-1-Ä-1-1-2-1	4.1	3.7	3.9	MR	6.5	MS
36	CML 249-1-2-1-1-1-1-Ä-2-1-1-1	3.9	7.2	5.6	MS	5.5	MS
37	CML 249-1-2-1-1-1-1-Ä-2-1-2-1	3.4	6.6	5.0	MR	6.0	MS
38	CML 249-1-2-1-1-1-1-Ä-2-1-2-2	4.1	5.0	4.6	MR	6.4	MS
39	V338-1Ä-1-1-1-1-Ä-1-1-1-1	3.5	7.6	5.6	MS	6.5	MS
40	V338-1Ä-1-1-1-1-Ä-1-1-1-2	1.5	8.0	4.8	MR	7.4	S
41	V338-1Ä-1-1-1-1-Ä-2-1-1-1	2.9	6.6	4.8	MR	5.3	MS
42	V338-1Ä-1-1-1-1-Ä-2-1-1-2	2.0	7.2	4.6	MR	6.5	MS
43	PFSR (Y)-C1-A-3Ä-1-2-1-2-1-Ä-1-1-1-1	2.3	5.3	3.8	MR	8.0	S
44	PFSR (Y)-C0-3Ä-1-2-1-Ä-1-1-1-1	2.7	3.6	3.2	MR	6.1	MS
45	PFSR (Y)-C0-3Ä-1-2-1-Ä-1-1-1-2	2.6	4.4	3.5	MR	5.6	MS
46	PFSR (Y)-C0-3Ä-1-2-1-Ä-1-1-2-1	2.7	6.2	4.5	MR	5.3	MS

Contd.

Table 16.

S. No. Pedigree	Post flowering stalk rots (1-9)						
	C.Rot				FSR		
	NWPZ				CWZ		
	DELH	LUDH	Av. Score	Reaction	UDAI	Reaction	
47 PFSR (Y)-C0-3Ä-1-2-1-Ä-1-1-2-2	3.0	5.6	4.3	MR	5.4	MS	
48 CM 202-2-1-1-Ä-1-1-1-1	2.2	3.6	2.9	R	5.2	MS	
49 CM 202-2-1-1-Ä-1-1-1-2	2.9	5.0	4.0	MR	8.2	S	
50 CML 297-1-2-Ä-1-1-1 A-1	3.4	5.2	4.3	MR	6.2	MS	
51 CML 297-1-2-Ä-1-1-1 A-2	2.2	4.2	3.2	MR	6.5	MS	
52 CML 297-1-2-Ä-1-1-1 B-1	3.0	5.7	4.4	MR	6.1	MS	
53 CML 3-1-1-1-Ä-1-1-1A-1	2.4	6.6	4.5	MR	6.4	MS	
54 CML 27-1-1-1-Ä-1-1-1A-1	2.3	6.2	4.3	MR	5.9	MS	
55 CML 27-1-1-1-Ä-1-1-1A-2	2.7	5.2	4.0	MR	7.1	MS	
56 CML 27-1-2-1-Ä-1-1-1-1	4.4	4.4	4.4	MR	5.5	MS	
57 CML 389-1-1-1-Ä-1-1-1-1	4.5	6.2	5.4	MS	5.6	MS	
58 CML 389-1-1-1-Ä-1-1-1-2	4.4	7.0	5.7	MS	6.7	MS	
59 CML 163-1-1-Ä-2-1-1-1	3.3	6.2	4.8	MR	5.3	MS	
60 CML 163-1-1-Ä-2-1-1-2	2.2	5.8	4.0	MR	5.1	MR	
61 CML 163-1-1-Ä-2-1-2-1	3.2	4.6	3.9	MR	5.8	MS	
62 North east 3-1 (N)-1-1-Ä-1-1-1-1	2.8	6.8	4.8	MR	5.1	MR	
63 North east 4-1 (N)-1-Ä-1-1-1A-1	2.9	5.2	4.1	MR	7.1	MS	
64 North east 4-1 (N)-1-Ä-1-1-2 B-1	3.1	7.4	5.3	MS	6.1	MS	
65 PFSR (Y)-C1-A-B1 White heart Ä-2-1-1-2-1-1-1	3.2	6.0	4.6	MR	6.3	MS	
66 PFSR (Y)-C0 Ä-1-2-Ä-1-1-1-1	3.4	3.8	3.6	MR	5.9	MS	
67 PFSR (Y)-C0 Ä-1-2-Ä-1-1-1-2	1.9	5.6	3.8	MR	6.5	MS	
68 PFSR (Y)-C0 Ä-1-2-Ä-1-1-2-1	2.2	3.8	3.0	R	7.6	S	
69 PFSR (Y)-C0 Ä-1-2-Ä-1-1-2-2	1.6	3.0	2.3	R	6.1	MS	
70 PFSR (Y)-C0 Ä-1-2-Ä-1-1-2-3	1.8	4.0	2.9	R	6.8	MS	
71 PFSR (White) Ä-1-2-Ä-1-1-1-1	2.6	5.2	3.9	MR	5.9	MS	
72 Cream Yellow (P) -1-Ä-2-1-1-1	1.6	3.7	2.7	R	6.3	MS	
73 Cream Yellow (P) -1-Ä-2-1-1-2	2.6	5.6	4.1	MR	6.6	MS	
74 Deep Orange S-1(1-Y CobS3)-2-Ä-2-1-1-1 A	1.4	6.7	4.1	MR	5.1	MR	
75 Deep Orange S-1(1-YCobS3)-2-Ä-2-1-2B-1good	2.1	6.2	4.2	MR	5.6	MS	
76 Deep Orange S-1(1-YcobS3)-2-Ä-2-1-2B-2	2.1	7.6	4.9	MR	6.3	MS	
77 Deep Orange S-1(1-YcobS3)-2-Ä-2-1-2B-3	2.0	7.6	4.8	MR	5.4	MS	
78 pale yellow grains -2-Ä-1-1-1-1	2.0	3.2	2.6	R	5.8	MS	
79 pale yellow grains -2-Ä-1-1-1-2	1.8	2.3	2.1	R	6.0	MS	
80 Yellow -1-Ä-1-1-1-1	2.6	6.0	4.3	MR	5.0	MR	
81 Yellow White mixture -2-Ä-1-1-1-1	3.4	7.2	5.3	MS	5.4	MS	
82 JCY3-7-1-2-1-b-6-1-2-1-1-1-1-2-Ä-2-1-1-1	2.2	3.6	2.9	R	5.2	MS	
83 CM 111-1-1-2-Ä-1-1-1	2.7	7.2	5.0	MR	6.0	MS	
84 CML 3-1-1-1-Ä-2-1-1	2.4	4.8	3.6	MR	5.0	MR	
85 CML 389-1-1-1-1-Ä-1-1-1	1.8	5.8	3.8	MR	6.5	MS	
86 (6-Mixture purple)-3-Ä-1-2-1	2.5	5.0	3.8	MR	5.4	MS	
87 (6-Mixture purple)-3-Ä-1-2-2	1.9	3.4	2.7	R	5.1	MR	
88 (6-Mixture purple)-3-Ä-1-3-1	3.1	3.6	3.4	MR	6.5	MS	
89 (6-Mixture purple)-3-Ä-1-3-2	3.1	5.2	4.2	MR	5.8	MS	
90 Yellow grains -1-Ä-1-1-1 (orange)	2.9	3.8	3.4	MR	5.1	MR	
91 Yellow grains -1-Ä-1-1-2 (orange)	2.6	4.8	3.7	MR	5.7	MS	
92 North east 3-1 (N)-1-2-Ä-1-1-1	2.5	5.6	4.1	MR	5.4	MS	
Local Sus. Check	6.1	5.2	5.6	MS	7.5	S	
Sus. Check (CM 600)	-	6.6	6.6	MS	-	-	

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Table 17. Screening of maize inbred lines against MLB and TLB

S.No.	Inbred line	MLB (1-9)				TLB (1-9)	
		NWPZ				NHZ	
		LUDH*	KARN	Av. Score	Reaction	BAJA	Reaction
1	DQL 2018	3.0	4.0	3.5	MR	3.5	MR
2	DQL 2018-5	5.5	3.0	4.3	MR	3.5	MR
3	DQL 2048	5.5	4.0	4.8	MR	2.0	R
4	DQL 2051	6.5	6.0	6.3	MS	3.5	MR
5	DQL 2054	6.5	8.0	7.3	S	4.5	MR
6	DQL 2057	2.0	4.5	3.3	MR	3.5	MR
7	DQL 2063-1	4.5	5.5	5.0	MR	3.0	R
8	DQL 2064-1-1	3.0	5.0	4.0	MR	4.0	MR
9	DQL 2068	2.0	4.5	3.3	MR	4.0	MR
10	DQL 2070	2.0	4.0	3.0	R	2.5	R
11	DQL 2087	7.0	5.0	6.0	MS	3.0	R
12	DQL 2096	3.0	3.5	3.3	MR	3.5	MR
13	DQL 2157	2.5	5.5	4.0	MR	3.0	R
14	DQL 2159	1.5	5.0	3.3	MR	3.0	R
15	DQL 2105-1	1.5	3.5	2.5	R	3.0	R
16	DQL 2160	8.0	3.5	5.8	MS	2.5	R
17	DQL 2163	6.0	8.0	7.0	MS	6.0	MS
18	DQL 2164	7.5	9.0	8.3	S	7.0	MS
19	DQL 2165	7.5	9.0	8.3	S	7.0	MS
20	DQL 2169	5.5	7.5	6.5	MS	6.5	MS
21	DQL 2172	5.0	7.5	6.3	MS	5.5	MS
22	DQL 2199	2.5	3.5	3.0	R	5.0	MR
23	DQL 2203	5.5	5.5	5.5	MS	5.5	MS
24	DQL 2216	3.5	3.0	3.3	MR	5.0	MR
25	DQL 2221	5.0	6.5	5.8	MS	5.0	MR
26	DQL 2231	4.5	5.0	4.8	MR	6.5	MS
27	DQL 2232	4.5	4.0	4.3	MR	5.5	MS
28	DQL 2234-1	2.5	3.0	2.8	R	4.0	MR
29	DQL 2235	6.0	4.0	5.0	MR	4.0	MR
31	DQL 2238	5.5	4.5	5.0	MR	3.0	R
32	DQL 2240	8.5	8.5	8.5	S	4.5	MR
33	DQL 2241	3.0	6.0	4.5	MR	3.5	MR
34	DQL 2260	2.5	7.5	5.0	MR	4.0	MR
35	DQL 2262	6.5	3.5	5.0	MR	6.0	MS
36	DQL 2271	8.0	5.0	6.5	MS	5.0	MR
37	DQL 2292	2.5	3.5	3.0	R	4.0	MR
38	DQL 2293	2.5	5.5	4.0	MR	3.0	R
39	DQL 2294	2.0	4.0	3.0	R	2.0	R
40	DQL 2295	4.0	5.5	4.8	MR	3.0	R
41	DQL 2297	3.5	5.0	4.3	MR	3.5	MR
42	DQL 2298	2.0	5.5	3.8	MR	2.5	R
43	DQL 2299	2.0	6.5	4.3	MR	4.5	MR

Contd.

Table 17.

S.No.	Inbred line	MLB (1-9)				TLB (1-9)	
		NWPZ				NHZ	
		LUDH*	KARN	Av. Score	Reaction	BAJA	Reaction
44	DQL 2300	3.0	5.5	4.3	MR	5.0	MR
45	DQL 2301	4.5	3.5	4.0	MR	2.5	R
46	DQL 2302	5.0	2.5	3.8	MR	3.0	R
47	DQL 2304	8.5	3.5	6.0	MS	3.0	R
48	DQL 2305	9.0	7.5	8.3	S	3.5	MR
49	DQL 2111	-	-	-	-	3.0	R
50	DQL 2015-1	-	-	-	-	2.0	R
51	DQL 2051-1	-	-	-	-	6.0	MS
52	MLK-17/104026	7.5	5.5	6.5	MS	-	-
53	MLK-17/104003	7.0	7.0	7.0	MS	-	-
54	MLK-17/104017	9.0	7.5	8.3	S	-	-
55	MLK-17/104020	8.0	7.0	7.5	S	-	-
56	MLK-17/104016	8.5	6.0	7.3	S	-	-
57	MLK-17/104118	3.5	7.0	5.3	MS	-	-
58	MLK-17/104121	3.5	6.0	4.8	MR	-	-
59	MLK-17/104030	2.5	7.5	5.0	MR	-	-
60	MLK-17/70098	3.0	7.0	5.0	MR	-	-
61	MLK-17/70151	7.0	7.0	7.0	MS	-	-
62	MLK-17/70485	5.0	4.0	4.5	MR	-	-
63	MLK-17/70120	7.0	4.5	5.8	MS	-	-
64	MLK-17/70513	-	5.0	5.0	MR	-	-
65	MLK-17/70380	NG	7.0	7.0	MS	-	-
66	MLK-17/70051	7.5	5.5	6.5	MS	-	-
67	MLK-17/70303	9.0	-	9.0	S	-	-
68	MLK-17/70429	8.0	7.5	7.8	S	-	-
69	MLK-17/70337	5.5	5.0	5.3	MS	-	-
70	MLK-17/70095	9.0	5.5	7.3	S	-	-
71	MLK-17/70600	9.0	5.0	7.0	MS	-	-
72	MLK-17/703-51	-	3.5	3.5	MR	-	-
73	MLK-17/70381	8.5	4.5	6.5	MS	-	-
74	MLK-17/70062	3.0	2.0	2.5	R	-	-
75	MLK-17/70117	4.5	6.5	5.5	MS	-	-
76	MLK-17/70156	5.0	4.5	4.8	MR	-	-
77	MLK-17/70458	7.0	5.0	6.0	MS	-	-
78	MLK-17/70545	6.0	5.5	5.8	MS	-	-
79	MLK-17/70547	9.0	3.0	6.0	MS	-	-
80	MLK-17/70595	8.0	6.5	7.3	S	-	-
81	MLK-17/70211	-	7.5	7.5	S	-	-
82	MLK-17/70217	4.0	5.0	4.5	MR	-	-
83	MLK-17/70254	8.5	8.0	8.3	S	-	-
84	MLK-17/70255	6.0	4.5	5.3	MS	-	-
85	MLK-17/70302	7.5	7.0	7.3	S	-	-
86	MLK-17/70307	7.0	3.5	5.3	MS	-	-

Contd.

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Table 17.

S.No. Inbred line	MLB (1-9)				TLB (1-9)		
	NWPZ				NHZ		
	LUDH*	KARN	Av. Score	Reaction	BAJA	Reaction	
87	MLK-17/70304	8.0	5.5	6.8	MS	-	-
88	VS 2	4.5	3.5	4.0	MR	5.0	MR
89	VS 12-1	3.0	6.5	4.8	MR	4.0	MR
90	VS 16	2.0	4.5	3.3	MR	3.0	R
91	VS 23	8.0	5.0	6.5	MS	3.0	R
92	VS 24	1.0	4.0	2.5	R	2.0	R
93	VS 25	2.0	4.5	3.3	MR	3.0	R
94	VS 26	2.0	5.5	3.8	MR	4.0	MR
95	VS 61	6.5	4.5	5.5	MS	2.0	R
96	VS 63	4.0	4.0	4.0	MR	2.0	R
97	VS 68-2	3.5	5.0	4.3	MR	3.0	R
98	VS 78	4.0	4.5	4.3	MR	3.0	R
99	VS 78-1	2.0	3.5	2.8	R	3.0	R
100	VS 91	2.0	7.0	4.5	MR	3.0	R
101	VS 92	6.0	6.0	6.0	MS	3.0	R
102	VS 96	4.0	8.0	6.0	MS	2.0	R
103	VS 105	-	6.0	6.0	MS	3.0	R
104	VS 110	7.0	5.0	6.0	MS	5.0	MR
105	VS 114	5.5	5.5	5.5	MS	6.0	MS
106	VS 118	3.0	5.5	4.3	MR	4.0	MR
107	VS 120	-	6.5	6.5	MS	3.0	R
108	VS 139	5.0	6.5	5.8	MS	5.0	MR
109	VS 141	7.0	6.5	6.8	MS	6.0	MS
110	VS 144	3.5	5.5	4.5	MR	7.0	MS
111	VS 154	5.0	6.0	5.5	MS	5.0	MR
112	VS 159	5.0	5.0	5.0	MR	6.0	MS
113	VS 164	2.0	6.0	4.0	MR	7.0	MS
114	VS 167	3.0	6.5	4.8	MR	4.0	MR
115	VS 186-2	5.5	8.5	7.0	MS	6.0	MS
116	VS 215	7.5	9.0	8.3	S	6.0	MS
117	VS 219	8.0	9.0	8.5	S	5.0	MR
Sus. Check (CM 600)		8.6	8.5	8.6	S	-	-

LUDH*:- ICAR-IIMR, Ludhiana

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Table 18. Performance of previous year's resistant station inbred lines against TLB at Mandya

S.No.	Hybrid	TLB (1-9)				
		PZ				
		2015	2016	2017	Av. Score	Reaction
1	NAI -137	4.0	4.0	3.5	3.8	MR
2	NAI -138	4.0	5.0	3.5	4.2	MR
3	NAI -142	5.0	5.0	3.0	4.3	MR
4	NAI -175	3.0	5.0	3.5	3.8	MR
5	NAI -207	5.0	4.0	3.0	4.0	MR
6	NAI -209	4.0	3.0	3.0	3.3	MR
7	KUI- 1411	4.0	4.0	3.5	3.8	MR
8	KUI-1411a	3.0	5.0	3.0	3.7	MR
9	CML- 248	4.0	4.0	3.0	3.7	MR
10	CML- 360	5.0	5.0	3.5	4.5	MR
Res. Check (NAH 2049)				2.5	R	
Sus. Check (CM 202)				8.0	S	

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Table 19. Screening of station maize inbred lines against TLB at Mandya

S.No.	Pedigree	TLB (1-9)	
		PZ	
		MAND	Reaction
1	NAI - 80 #MA- K-2016	2.5	R
2	NAI - 110 X MA-K-2016	3.0	R
3	NAI - 117 X MA-K-2016	3.5	MR
4	NAI -138 X MA-K-2016	2.5	R
5	NAI-139 X MA-K-2016	4.0	MR
6	NAI-142 X MA-K-2016	2.0	R
7	NAI-143 X MA-K-2016	3.0	R
8	NAI-147 X MA-K-2016	2.5	R
9	NAI-158 X MA- K-2016	5.0	MR
10	NAI-162 X MA-K-2016	3.0	R
11	NAI-167 # MA-K-2016	3.0	R
12	NAI-169 # MA-K-2016	3.5	MR
13	NAI-170 # MA-K-2016	3.5	MR
14	NAI-171 X MA-K-2016	4.0	MR
15	NAI-173 X MA-K-2016	4.5	MR
16	NAI-174 X MA-K-2016	3.5	MR
17	NAI-175 X MA-K-2016	2.5	R
18	NAI-176 # MA-K-2016	3.0	R
19	NAI-177 # MA-K-2016	4.5	MR
20	NAI-178 # MA-K-2016	4.0	MR
21	NAI-179 # MA-K-2016	3.5	MR
22	NAI-180 # MA-K-2016	4.0	MR
23	NAI-181 # MA-K-2016	4.0	MR
24	NAI-187 X MA-K-2016	2.5	R
25	NAI-188 X MA-K-2016	4.0	MR
26	NAI-191 #MA- K-2016	4.0	MR
27	NAI-193 # MA-K-2016	5.0	MR
28	NAI-194 # MA-K-2016	4.0	MR
29	NAI-197 X MA-K-2016	2.0	R
30	NAI-199 X MA-K-2016	3.5	MR
31	NAI-204 X MA-K-20161	3.5	MR
32	NAI-204 X MA-K-2016 2	3.5	MR
33	NAI-207 X MA-K-2016	3.5	MR
34	NAI-208 X MA-K-2016	3.0	R
35	NAI-209 X MA- K-2016	3.0	R
36	NAI-212 # MA- K-2016	4.5	MR
37	NAI-214 X MA-K-2016	3.0	R
38	NAI-215 XMA-K-2016	4.0	MR
39	NAI-217 X MA-K-2016	5.0	MR
40	NAI-218-10 X MA- K-2016	3.5	MR
41	NAI-219-4 X MA- K-2016	4.5	MR

Contd.

Table 19.

S.No.	Pedigree	TLB (1-9)	
		PZ	
		MAND	Reaction
42	NAI-221-7 X MA-K-2016	4.5	MR
43	NAI-222-4 X MA- K-2016	4.5	MR
44	NAI-224-6 X MA-K-2016	3.0	R
45	NAI-225-3 X MA-K-2016	3.0	R
46	NAI-226 X MA-K-2016	3.5	MR
47	CML-300 X MA-K-2016	4.5	MR
48	CML-360 X MA-K-2016	3.0	R
49	CML-363 X MA-K-2016	3.5	MR
50	CML-410 X MA-K-2016	2.5	R
51	CML-413 X MA-K-2016	3.5	MR
52	CML-480 # MA-K-2016	3.0	R
53	CML-481 # MA-K-2016	3.5	MR
54	CM-118 X MA-K-2016	3.5	MR
55	CM-119 # MA- K-2016	4.0	MR
56	CM-123 # MA- K-2016	3.5	MR
57	CM-131 # MA-K-2016	3.5	MR
58	CM-137	5.5	MS
59	CM-139 # MA-K-2016	6.0	MS
60	CM-142 X MA-K-2016	6.5	MS
61	CM-205	7.5	S
62	DMSC-14 # MA-K-2016	4.5	MR
63	DMSC-18 X MA-K-2016	6.5	MS
64	DMSC-19 X MA- K-2016	6.0	MS
65	DMSC-20 X MA-K-2016	6.5	MS
66	DMSC-24 X MA-K-2016	5.5	MS
67	DMSC-28 X MA-K-2016	3.5	MR
68	DMSC-36 X MA-K-2016	4.5	MR
69	WINPOP-21 X MA- K-2016	5.5	MS
70	WINPOP-26 X MA-K-2016	5.5	MS
71	WINPOP-45 X MA- K-2016	4.5	MR
72	WINPOP-47 X MA- K-2016	5.5	MS
73	POP-446CI X MA- K-2016	3.5	MR
74	POP-61CI-QPM-TEXE X-2016	2.5	R
75	HKI-PC-5 X MA-K-2016	5.5	MS
76	HKI-PC-7 # MA-K-2016	2.5	R
77	HKI-164 X MA-K-2016	4.0	MR
78	HKI-193-1 X MA- K-2016	4.5	MR
79	HKI-209 X MA- K-2016	5.0	MR
80	HKI-PC-413 X MA-K-2016	5.0	MR
81	HKI-488 X MA-K-2016	5.5	MS
82	HKI-1040-5 X MA- K-2016	5.5	MS
83	SCM-16-2	4.5	MR

Contd.

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Table 19.

S.No.	Pedigree	TLB (1-9)	
		PZ	
		MAND	Reaction
84	SCM-16-3	4.0	MR
85	SCM-16-4	5.5	MS
86	SCM-16-5	5.4	MS
87	SCM-16-6	6.5	MS
88	SCM-16-7	6.0	MS
89	SCM-16-8	6.5	MS
90	MAI 105	2.5	R
91	MAI 133	3.5	MR
92	MAI 187	2.5	R
93	MAI 224	3.5	MR
94	MAI 261	3.5	MR
95	MAI 283	3.5	MR
96	JEX2-7-1 X 2016	2.5	R
97	NAB-2 X - 2016	2.5	R
98	HP-35 X MA-K-2016	3.5	MR
99	DMR-QPM-58 X MA-K-2016	5.5	MS
100	AQO-3134-B-B X MA-K-2016	4.5	MR
101	SHD-IER6X-2016	4.5	MR
102	WEP-6 X MA- K-2016	5.5	MS
103	DM-HOC-15 X MA- K-2016	4.5	MR
104	LM-5 X MA- K-2016	4.5	MR
105	HP-36-4 X MA-K-2016	4.0	MR
106	Vivek 2	2.5	R
107	Vivek 42	4.5	MR
108	Enl-1X-2016	3.5	MR
109	KUI-1411#-2016	2.5	R
110	KUI-1411AX-2016	2.5	R
111	CLQ-PCY#-2016	3.5	MR
112	WEP-1	2.5	R
113	POPLQC-616X-2016	3.5	MR
114	U-139X-2016	2.5	R
115	V-351X-2016	2.5	R
116	U-488X-2016	2.5	R
117	U-536X-2016	3.5	MR
118	MAI 755	2.5	R
	Res. Check (NAH 2049)	2.5	R
	Sus. Check (CM 202)	8.0	S

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Table 20. Screening of station maize inbred lines against PFSR at Udaipur

S.No.	Pedigree	PFSR (1-9)	
		CWZ	
		UDAI	Reaction
1	HKI-193-1	4.8	MR
2	CLQ40	5.2	MS
3	EI-586-2	6	MS
4	EI-670-2	4.4	MR
5	EI-06-1	5.1	MR
6	EI-2178-2	4.9	MR
7	EI-2188-1	6	MS
8	EI-2185-1	4.1	MR
9	EI-2172	4.7	MR
10	EI-2159-1	4.3	MR
11	EI-2172	4.1	MR
12	EIQ-225	4.3	MR
13	EI-2185-1	5.5	MS
14	EIQ-180	4.4	MR
15	EIQ-135	4.3	MR
16	EI-01-2	5	MR
17	EHQ64	5.9	MS
18	PRATAP QPM HYBRID	4.3	MR
19	PRATAP MAKKA-9	5	MR
20	EH-2900	5.5	MS
21	EI-1159X670 EH	5.8	MS
22	EH-2898	4.3	MR
23	EH-2878	4.9	MR
24	EH-2891	4.5	MR
25	EIQ-104	5.2	MS
26	EI 1175X670-2	4.9	MR

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Table 21. Screening of maize hybrids against TLB and C. Rust at Dharwad

S.No.	Hybrid	TLB (1-9)		C. Rust (1-9)	
		PZ			
		DHAR	Reaction	DHAR	Reaction
1	DKC-7074	2.0	R	2.0	R
2	DKC-7173	3.0	R	2.0	R
3	DKC-8101	5.5	MS	7.5	S
4	DKC-8144	5.5	MS	6.0	MS
5	DKC-8164	8.0	S	5.5	MS
6	DKC-8161	7.0	MS	4.0	MR
7	DKC-8174	5.0	MR	3.0	MR
8	DKC-8171	7.0	MS	4.0	MR
9	DKC-9125	6.0	MS	1.0	HR
10	DKC-9081	4.0	MR	9.0	S
11	DKC-9126	8.3	S	5.8	MS
12	DKC-9141	6.5	MS	6.0	MS
13	DKC-9144	3.0	R	2.0	R
14	DKC-9145	6.8	MS	2.0	R
15	DKC-9150	8.5	S	4.5	MS
16	DKC-9155	8.5	S	4.0	MR
17	DKC-9164	6.5	MS	4.5	MS
18	DKC-9157	4.0	MR	4.0	MR
19	DMH-8255	8.0	S	9.0	S
20	NK-6240	4.5	MR	4.0	MR
21	NK-30	9.0	S	4.0	MR
22	NK-6607	5.5	MS	7.0	S
23	CP-818	6.0	MS	5.5	MS
24	CP-999	7.0	MS	6.0	MS
25	PHI-3377	9.0	S	8.0	S
26	PHI-3396	8.5	S	8.0	S
27	PHI-3501	8.4	S	6.5	S
28	PHI-3401	7.0	MS	6.0	MS
29	PAC-740	6.5	MS	6.0	MS
30	PAC-751	8.0	S	5.0	MS
31	PAC-753	8.5	S	4.0	MR
32	S-6668	5.0	MR	2.0	R
33	S-7750	8.0	S	9.0	S
34	S-6217	3.0	R	2.0	R
35	HISHELL	6.0	MS	5.5	MS
36	900 M Super	7.0	MS	4.5	MS
37	D-4244	5.0	MR	6.0	MS
38	D-4142	7.5	S	6.0	MS
39	D-4685	3.0	R	2.0	R
40	D-4818	4.0	MR	6.0	MS
41	BIO-9544	7.0	MS	4.0	MR
Sus. Check (CM 202)		9.0	S	8.0	S
Res. Check (CI 4)		3.0	R	3.0	MR

Table 22. Disease screening of CIMMYT maize germplasm at hot spot locations

S.No.	Stock Id	Entry Name	Pedigree	TLB (1-5)	
				PZ	
				DHAR	Reaction
1	SN279-2	VL109582	CLQ-RCYQ36-B-1-B*8-B-B	0.9	R
2	SN280-26	SNL142288	CLQ-RCYQ40=(CML165xCLQ-6203)-B-9-1-1-B-2-B*4-1-B*8-B-B	1.0	R
3	SN298-106	VL1048	CLRCY039-B*7-B-B	1.2	R
4	SN278-71	VL1033	CA14514-B-2-B-2-B*6-B-B	1.2	R
5	SN295-12	SNL142420	(CA14514-7-B-2-B/CA00106-9-B-2-B)-B-3-1-BB-B	1.3	R
6	SN295-148	SNL142457	(CA14514-7-B-2-B/CA00106-9-B-2-B)-B-31-1-B-B	1.3	R
7	SN295-11	SNL142543	(CA14514-8-1-2-B/CA00106-9-B-2-B)-BB-5-2-BB-B	1.3	R
8	SN321-5	VL108723	CA00310/AMATLCOHS71-1-1-2-1-1-1-B*17-B-B	1.3	R
9	SN322-4	VL109138	CML433-B	1.5	R
10	SN280-67	VL108882	EY-DMR-C5-S2-BB-3-2-B*6-1-B*6-B-B	1.5	R
11	SN244-224	VL1031	CA03141-1-B-2-B*8-B	1.6	R
12	SN279-39	VL1018680	CML495-B*7-B-B	1.7	R
13	SN320-35	VL105607	(CML474/S92145-2EV-7-3-B*5)-F2-25-1-B*10-B-B-B	1.7	R
14	SN295-101	SNL142517	(CA14514-4-3-1-B/CA14514-9-4-2-B)-BB-1-1-BB-B	1.7	R
15	SN295-40	SNL142539	(CA14514-8-1-2-B/CA00106-9-B-2-B)-BB-1-1-BB-B	1.8	R
16	SN280-93	VL109524	(CML165xKI45)-B-14-1-B*4-1-B*7-B-B	1.9	R
17	SN287-37	VL1012847	POP351C0-HS274-1-1-B*4-2-B*4-B-B-B	2.0	R
18	SN294-74	SNL1580	(DMSyn-C0)-15-2-B-1-B	2.1	MR
19	SN294-70	SNL1575	(DMSyn-C0)-5-2-B-1-B	2.1	MR
20	SN279-80	VL108849	DTPWC9-F67-2-2-1-3-2-1-2-B*9-B	2.1	MR
21	SN280-125	VL109449	(CLQ-6601xCL-02843)-B-2-2-1-BB-1-B*8-B-B	2.2	MR
22	SN295-81	SNL142455	(CA14514-7-B-2-B/CA00106-9-B-2-B)-B-29-2-BB-B	2.3	MR
23	SN295-53	SNL142419	(CA14514-7-B-2-B/CA00106-9-B-2-B)-B-2-1-BB-B	2.3	MR
24	SN294-26	SNL1528	(DMSyn-C0)-44-2-B-1-B	2.3	MR
25	SN295-138	SNL142536	(CA14514-7-B-2-B/SW92145-2P9S2-##-B*6-1-B-2-B)-BB-3-1-B-B	2.4	MR

Contd.

Table 22.

S.No.	Stock Id	Entry Name	Pedigree	TLB (1-5)	
				PZ	
				DHAR	Reaction
26	SN294-2	SNL152	(DMSyn-C0)-14-2-B-1-B	2.4	MR
27	SN295-24	SNL142400	(CA14514-4-1-1-B/CA14514-9-4-2-B)-B-16-2-BB-B	2.4	MR
28	SN295-124	SNL142538	(CA14514-7-B-2-B/SW92145-2P9S2-##-B*6-1-B-2-B)-BB-7-1-BB-B	2.5	MR
29	SN294-15	SNL1515	(DMSyn-C0)-38-3-B-1-B	2.5	MR
30	SN295-105	SNL142511	(CA14514-4-1-1-B/CA00106-9-B-2-B)-BB-5-1-BB-B	2.5	MR
31	SN294-54	SNL1559	(DMSyn-C0)-39-1-B-1-B	2.5	MR
32	SN295-163	SNL142540	(CA14514-8-1-2-B/CA00106-9-B-2-B)-BB-1-2-B-B	2.5	MR
33	SN295-38	SNL15216	(CA14514-7-B-2-B/CA00106-9-B-2-B)-B-12-1-B-B2-B	2.5	MR
34	SN278-9	VL1018792	CML329/MBRc2amF14-2-B*9-B-B	2.6	MR
35	SN294-98	SNL15105	(DMSyn-C0)-8-2-B-1-B	2.6	MR
36	SN295-8	SNL142545	(CA14514-8-1-2-B/CA00106-9-B-2-B)-BB-7-1-BB-B	2.7	MR
37	SN294-50	SNL1554	(DMSyn-C0)-46-1-B-1-B	2.7	MR
38	SN285-2	VL121096	NEI9008-BBB-B-B	2.8	MR
39	SN295-25	SNL142421	(CA14514-7-B-2-B/CA00106-9-B-2-B)-B-4-1-BB-B	2.8	MR
40	SN270-16	VL1236	Saracura-11-3-2-2-1-B*11-B	2.8	MR
41	SN295-128	SNL142439	(CA14514-7-B-2-B/CA00106-9-B-2-B)-B-15-2-BB-B	2.8	MR
42	SN294-20	SNL1520	(DMSyn-C0)-34-1-B-1-B	2.9	MR
43	SN294-108	SNL15115	(DMSyn-C0)-35-2-B-1-B	2.9	MR
44	SN294-95	SNL15102	(DMSyn-C0)-22-1-B-1-B	3.0	MR
45	SN294-31	SNL1533	(DMSyn-C0)-13-1-B-1-B	3.0	MR
46	SN294-53	SNL1557	(DMSyn-C0)-75-1-B-1-B	3.0	MR
47	SN295-137	SNL142481	(CA14514-8-1-2-B/CA14514-9-4-2-B)-B-21-1-BB-B	3.0	MR
48	SN294-8	SNL158	(DMSyn-C0)-58-1-B-1-B	3.0	MR
49	SN278-7	VL1213	(DT/LN/EM-46-3-1xCML311-2-1-3)-B-F303-1-1-1-B*7-B-B	3.0	MR
50	SN294-100	SNL15107	(DMSyn-C0)-21-2-B-1-B	3.1	MS
51	SN295-19	SNL142535	(CA14514-4-3-1-B/CA00106-9-B-2-B)-BB-12-1-BB-B	3.1	MS

Contd.

Table 22.

S.No.	Stock Id	Entry Name	Pedigree	TLB (1-5)	
				PZ	
				DHAR	Reaction
52	SN295-56	SNL142468	(CA14514-8-1-2-B/CA14514-9-4-2-B)-B-11-1-BB-B	3.2	MS
53	SN278-11	VL126	(DT/LN/EM-46-3-1xCML311-2-1-3)-B-F191-1-1-1-B1-B*4-B-B	3.2	MS
54	SN295-5	SNL143393	(CA14514-7-B-2-B/CA00106-9-B-2-B)-B-8-2-BB-B	3.2	MS
55	SN295-30	SNL142506	(CA14514-7-B-2-B/CA03118-B-4-4-2-B)-B-30-1-BB-B	3.3	MS
56	SN294-3	SNL153	(DMSyn-C0)-1-1-B-1-B	3.3	MS
57	SN295-69	SNL142463	(CA14514-8-1-2-B/CA14514-9-4-2-B)-B-2-1-BB-B	3.3	MS
58	SN295-29	SNL142526	(CA14514-4-3-1-B/CA00106-9-B-2-B)-BB-1-1-BB-B	3.3	MS
59	SN295-132	SNL143386	(CA14514-4-1-1-B/CA14514-9-4-2-B)-B-3-3-BB-B	3.3	MS
60	SN294-96	SNL15103	(DMSyn-C0)-66-1-B-1-B	3.4	MS
61	SN294-5	SNL155	(DMSyn-C0)-32-1-B-1-B	3.4	MS
62	SN295-67	SNL142513	(CA14514-4-1-1-B/CA00106-9-B-2-B)-BB-7-1-BB-B	3.4	MS
63	SN295-131	SNL142447	(CA14514-7-B-2-B/CA00106-9-B-2-B)-B-21-1-BB-B	3.5	MS
64	SN294-79	SNL1585	(DMSyn-C0)-34-2-B-1-B	3.5	MS
65	SN280-146	VL1245	WLS-F191-2-1-1-B-1-B*7-B-B	3.5	MS
66	SN295-117	SNL142527	(CA14514-4-3-1-B/CA00106-9-B-2-B)-BB-5-1-BB-B	3.5	MS
67			CML474	3.5	MS
68	SN295-127	SNL142412	(CA14514-7-B-2-B/CA14514-9-6-3-B)-B-7-1-BB-B	3.5	MS
69	SN294-69	SNL1574	(DMSyn-C0)-40-1-B-1-B	3.5	MS
70	SN294-85	SNL1591	(DMSyn-C0)-3-1-B-1-B	3.5	MS
71	SN295-54	SNL142486	(CA14514-7-B-2-B/CA03118-B-4-4-2-B)-B-4-1-BB-B	3.5	MS
72	SN295-21	SNL142507	(CA14514-4-1-1-B/CA00106-9-B-2-B)-BB-1-1-BB-B	3.5	MS
73	SN294-12	SNL1512	(DMSyn-C0)-44-1-B-1-B	3.6	MS
74	SN295-35	SNL143395	(CA14514-7-B-2-B/CA00106-9-B-2-B)-B-10-1-BB-B	3.6	MS
75	SN295-136	SNL143392	(CA14514-7-B-2-B/CA00106-9-B-2-B)-B-5-1-BB-B	3.7	MS
76	SN280-57	VL1030	CA03139-BBB-2-B*7-B-B	3.7	MS
77	SN294-101	SNL15108	(DMSyn-C0)-73-1-B-1-B	3.7	MS

Contd.

Table 22.

S.No.	Stock Id	Entry Name	Pedigree	TLB (1-5)	
				PZ	
				DHAR	Reaction
78	SN294-105	SNL15112	(DMSyn-C0)-49-2-B-1-B	3.7	MS
79	SN295-72	SNL142411	(CA14514-7-B-2-B/CA14514-9-6-3-B)-B-6-1-BB-B	3.7	MS
80	SN294-104	SNL15111	(DMSyn-C0)-78-1-B-1-B	3.7	MS
81	SN294-47	SNL1550	(DMSyn-C0)-73-3-B-1-B	3.7	MS
82	SN294-17	SNL1517	(DMSyn-C0)-32-2-B-1-B	3.7	MS
83	SN294-38	SNL1541	(DMSyn-C0)-53-1-B-1-B	3.8	MS
84	SN295-66	SNL142409	(CA14514-7-B-2-B/CA14514-9-6-3-B)-B-4-1-BB-B	3.8	MS
85	SN294-73	SNL1579	(DMSyn-C0)-11-2-B-1-B	3.8	MS
86	SN295-141	SNL143394	(CA14514-7-B-2-B/CA00106-9-B-2-B)-B-9-1-B-B	3.9	MS
87	SN294-56	SNL1561	(DMSyn-C0)-12-1-B-1-B	4.0	MS
88	SN295-154	SNL143398	(CA14514-7-B-2-B/CA00106-9-B-2-B)-B-29-1-B-B	4.0	MS
89	SN295-65	SNL142505	(CA14514-7-B-2-B/CA03118-B-4-4-2-B)-B-28-2-BB-B	4.0	MS
90	SN294-103	SNL15110	(DMSyn-C0)-26-2-B-1-B	4.0	MS
91	SN280-161	VL1033	CA14514-1-B-1-B*6-B-B	4.2	S
92	SN294-99	SNL15106	(DMSyn-C0)-18-1-B-1-B	4.2	S
93	SN295-39	SNL142488	(CA14514-7-B-2-B/CA03118-B-4-4-2-B)-B-6-1-BB-B	4.3	S
94	SN294-27	SNL1529	(DMSyn-C0)-61-2-B-1-B	4.3	S
95	SN294-65	SNL1570	(DMSyn-C0)-62-1-B-1-B	4.4	S
96	SN287-42	SNL153271	POOL16BNSEQC3F34x31-2-1-2-3-B*7-B-B	4.4	S
97	SN294-107	SNL15114	(DMSyn-C0)-20-1-B-1-B	4.5	S
98	SN294-87	SNL1593	(DMSyn-C0)-58-2-B-1-B	4.6	S
99	SN295-158	SNL142534	(CA14514-4-3-1-B/CA00106-9-B-2-B)-BB-10-2-B-B	4.9	S
100	SN278-30	VL1251	WLS-F36-4-2-2-B-1-B*7-B-B	4.9	S
Sus. Check				4.5	S
Res. Check				1.8	R

Contd.

Table 22.

S.No.	Stock Id	Entry Name	Pedigree	BLSB (1-9)			
				NWPZ			
				LUDH	PANT	Av. Score	Reaction
1	SN280-192	VL1016197	CA00314-2-B-3-B*8-B	6.5	5.4	5.9	MS
2	SN280-131	VL109470	(CLQ-RCYQ31xCLQ-RCYQ49=(CML176xCL-G2501)-B-55-2-1-B)-B-34-1-BB-4-B*8-B-B	8.3	9.0	8.7	S
3	SN280-91	VL107389	(AC7643/AC7729/TZSRW)-1-75-#-B*4-1-5-6-B*4-B1-B*6-B-B	5.7	9.0	7.5	S
4	SN280-107	VL1016211	POB33c4F26-2-1-1-B*14-B-B	7.1	8.9	8.0	S
5	SN280-57	VL1030	CA03139-BBB-2-B*7-B-B	8.2	9.0	8.5	S
6	SN212-12	SNL1411637	CLQRCYQ63-B*6-B	8.7	9.0	8.7	S
7	SN280-105	VL108880	EW-DMR-G-C7-HS-(SIB)-9-B-1-B*7-B-B	8.1	9.0	8.7	S
8	SN280-117	VL1018496	CML284-2-B*6-B-B	7.7	9.0	8.6	S
9	SN279-33	VL1253	CML452=Ac8328BNC6-166-1-1-1-B*15-B-B	4.3	8.9	6.9	MS
10	SN279-82	VL058725	CML312-1-B*7-B	5.4	9.0	7.6	S
11	SN280-127	VL109545	[CL-G2501xCML170]-B-2-3-2-BB-3-B*8-B-B	7.9	9.0	8.5	S
12	SN279-60	VL109293	(PHY11-3-1-3-1-1-2-B*5/CML161)-B-3-2-BB-1-B*5-B-B	7.8	9.0	8.5	S
13	SN280-165	VL108726	CA03147-B*7-B-B	5.5	9.0	7.2	S
14	SN279-76	SNL153296	CML227-B*9-B-B	5.6	7.3	6.7	MS
15	SN278-31	VL1018393	CML164-B*8-B-B	7.6	9.0	8.3	S
16	SN280-154	VL1061	Messina-03445(S2-Syn)-F1Bulk-22-1-2-B*10-B-B	8.0	9.0	8.5	S
17	SN280-13	VL105555	SW5-10-B*5-2-B*8-B-B	9.1	9.0	9.0	S
18	SN280-23	VL109287	(CML161xCLQ-RCYQ49=(CML176/CL-G2501)-B-55-2-1-B)-B-19-1-B*9-B-B	5.4	9.0	7.3	S
19	SN280-43	VL108303	[CML327xCML287]F2-32-1-B*5-1-B*8-B-B	6.4	9.0	7.8	S
20	SN298-69	VL0511321	[TS6C1F238-1-3-3-1-2-#-BB/[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-10-7(I)-X-X-X-2-BB-1]-1-1-2-1-1-B*5-1-B-B2-B*4-B-B-B		8.1	7.2	S
21	SN280-46	VL109451	(CLQ-6601xCL-02843)-B-26-1-1-BB-1-B*7-B-B	6.4	9.0	7.8	S
22	SN299-31	VL1030	CA00102/CA00106-B-12-2-B*7-B-B-B	8.2	8.5	8.3	S
23	SN280-55	VL1010090	CA00102-B-1-B-2-B*6-B-B	6.5	8.5	7.5	S

Contd.

Table 22.

S.No.	Stock Id	Entry Name	Pedigree	BLSB (1-9)			
				NWPZ			
				LUDH	PANT	Av. Score	Reaction
24	SN280-59	SNL1411634	CA14709-4-7-5-1-B*6-B-B	8.5	9.0	8.5	S
25	SN279-80	VL108849	DTPWC9-F67-2-2-1-3-2-1-2-B*9-B	5.1	9.0	7.0	MS
26	SN280-184	VL1017777	G33QC25MH103-31-5-1-B*6-1-B*7-B	7.8	9.0	8.4	S
27	SN280-185	VL1232	KSX3601F2-4-4-3-2-1-B*10-B	8.1	9.0	8.5	S
28	SN280-185	VL1232	KSX3601F2-4-4-3-2-1-B*10-B	6.3	9.0	7.5	S
29	SN280-74	VL1240	SO4YLWL-96-B-1-1-B-1-B*7-B-B	9.0	9.0	9.0	S
30	SN280-84	VL105606	(CML427/CML474)-F2-19-1-B*8-B-B	7.6	9.0	8.2	S
31	SN280-86	VL1031	CA03141-1-B-2-B*8-B-B	7.8	9.0	8.5	S
32	SN280-182	VL05616	[SC/CML204//FR812]-X-30-2-3-2-1-B*4-1-B*8-B	3.0	9.0	6.0	MS
33	SN299-36	VL1018673	CML486=P45c8-76-1-2-1-2-B*13-B-B-B		7.0	6.3	MS
34	SN299-33	VL121096	NEI9008-B*6-B-B-B	6.3	9.0	7.7	S
35	SN299-35	VL1043	CLQRCYQ59-B*4-B-B-B	5.0	6.9	6.1	MS
36	SN299-41	VL1047	CLRCY030-B*4-B-B-B	4.3	9.0	6.5	MS
37	SN299-40	VL108526	CA00102/CA00106-B-23-3-B*5-B-B-B	8.0	8.4	8.2	S
38	SN279-21	VL1012847	POP351C0-HS274-1-1-B*4-2-B*6-B-B	5.7	9.0	7.3	S
39	SN287-9	ZL121279	(NEI9008-B/BLSB-R(China)-BB-3-B-B	6.0	9.0	7.5	S
40	SN299-13	SNL142337	(NEI9008-B/BLSB-R(China)-BB-7-B2-B-B-B-B	8.1	6.0	7.0	MS
41	SN299-4	SNL154021	(NEI9008-B/BLSB-R(China)-BB-9-B-B-B	3.7	7.0	5.3	MS
42	SN299-14	SNL142339	(NEI9008-B/BLSB-R(China)-BB-9-B1-B-B-B	5.4	8.0	6.8	MS
43	SN299-10	SNL142800	(NEI9202-B/BLSB-R(China)-BB-10-B-B-B	7.5	9.0	8.2	S
44	SN287-8	SNL142371	(NEI9202-B/BLSB-R(China)-BB-15-B-B	8.6	9.0	8.8	S
45	SN287-14	SNL142801	(NEI9202-B/BLSB-R(China)-BB-4-B-B	8.2	9.0	8.4	S
46	SN299-21	SNL142359	(NEI9202-B/BLSB-R(China)-BB-5-B-B-B-B-B	5.4	9.0	7.6	S
47	SN287-12	SNL142363	(NEI9202-B/BLSB-R(China)-BB-7-B-B	7.0	7.5	7.5	S
48	SN299-6	SNL142666	(NEI9008-B/BLSB-R(China)-BB-10-B-B-B	8.3	9.0	8.5	S
49	SN278-30	VL1251	WLS-F36-4-2-2-B-1-B*7-B-B	8.4	9.0	8.5	S

Contd.

Table 22.

S.No.	Stock Id	Entry Name	Pedigree	BLSB (1-9)			
				NWPZ			
				LUDH	PANT	Av. Score	Reaction
50	SN299-15	SNL142344	(NEI9008-B/BLSB-R(China)-BB-12-B1-B-B-B-B	8.2	8.9	8.5	S
51	SN299-11	SNL142345	(NEI9008-B/BLSB-R(China)-BB-12-B2-B-B-B-B	8.0	5.0	6.2	MS
52	SN208-45	SNL142355	(NEI9008-B/BLSB-R(China)-BB-19-B-B-B	7.5	9.0	8.3	S
53	SN299-7	SNL142327	(NEI411011-B/BLSB-R(China)-BB-13-B2-B-B1-B-B	7.4	9.0	8.3	S
54	SN299-2	ZL125247	(NEI412004-B/BLSB-R(China))-BB-12-B-B-B-B	4.2	8.0	6.4	MS
55	SN299-17	SNL142351	(NEI9008-B/BLSB-R(China)-BB-16-B1-B2-B-B-B	5.3	6.5	6.0	MS
56	SN299-28	SNL142381	(NEI9008-B/BLSB-R(China)-BB-23-B-B-B		9.0	8.2	S
57	SN299-12	SNL142333	(NEI9008-B/BLSB-R(China)-BB-5-B2-B-B-B-B	7.6	6.5	7.3	S
58	SN299-13	SNL142337	(NEI9008-B/BLSB-R(China)-BB-7-B2-B-B-B-B	5.8	9.0	7.5	S
59	SN322-4	VL109138	CML433-B	7.9	8.9	8.5	S
60	SN299-27	SNL142370	(NEI9202-B/BLSB-R(China)-BB-14-B-B-B-B-B	3.8	8.5	6.0	MS
61	SN299-29	SNL142384	(NEI9202-B/BLSB-R(China)-BB-20-B-B-B-B	8.3	6.9	7.4	S
62	SN299-22	SNL142360	(NEI9202-B/BLSB-R(China)-BB-6-B1-B1-B-B-B	6.7	5.0	5.6	MS
63	SN299-23	SNL142364	(NEI9202-B/BLSB-R(China)-BB-8-B1-B1-B-B-B	7.8	9.0	8.5	S
64	SN299-26	SNL142367	(NEI9202-B/BLSB-R(China)-BB-9-B-B-B-B-B	5.9	7.5	6.8	MS
65	SN299-38	VL1010090	CA00102/CA00106-B-11-1-B*7-B-B-B	7.8	8.9	8.5	S
66	SN299-39	VL108497	CA00102/CA00106-B-11-2-B*5-B-B-B	6.0	8.5	7.4	S
67	SN207-9	SNL142664	CA00102-B-1-B-2-B-B1-BB-B-B	8.2	9.0	8.5	S
68	SN278-77	VL108725	CA03109/P31C4S5B-85-##-3-B*16-B-B	7.7	9.0	8.5	S
69	SN278-87	VL108501	CA14514-6-B-1-B*7-B-B	7.5	8.9	8.3	S
70	SN287-70	VL108806	CL02457-4-B-1-BBB-B-B-B	6.7	9.0	7.8	S
71	SN287-67	VL1050	CLRCY041-B*4-B-B	6.5	8.0	7.5	S
72	SN316-1	VL1055	CML451-B	7.9	9.0	8.5	S
73	SN316-3	VL105612	CML474-B	7.7	9.0	8.2	S
74	SN316-7	VL1018419	CML193-B	8.4	9.0	8.4	S
75	SN316-2	VL105611	CML470-B	8.1	9.0	8.5	S

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Table 22.

S.No.	Stock Id	Entry Name	Pedigree	BLSB (1-9)			
				NWPZ			
				LUDH	PANT	Av. Score	Reaction
76	SN316-5	VL1036	CL02450-B	5.5	9.0	7.3	S
77	SN298-12	VL1052	CML161-B*8-B-B-B	8.2	9.0	8.5	S
78	SN316-6	VL1053	CML165-B	8.3	9.0	8.7	S
79	SN279-26	VL1018527	CML317-2-B*6-B-B	7.8	9.0	8.5	S
80	SN279-81	VL1012763	(CTS011004/EY-DMR-G-C5-S2-BB-3-1-*4/Pop147)F2#89-3-2-B-1-B*13-B	5.7	9.0	7.6	S
81	SN279-28	VL1018604	CML400-B*6-B-B	8.5	7.5	7.8	S
82	SN299-32	VL1016178	CA00102/CA00106-B-13-1-B*7-B-B-B	6.7	9.0	7.8	S
83	SN299-18	VL1016178	POB45c9F22-18-3-1-B*4-1-B*8-B-B-B	6.9	8.5	7.8	S
84	SN280-206	VL1033	CA14514-8-3-2-B*6-B	7.7	9.0	8.2	S
85	SN280-19	VL108727	CA14517/P145C4MH7-1-B-1-1-B-1-1-B*16-B-B	7.8	8.9	8.4	S
86	SN280-183	VL108665	CA00102/CA03149-B-5-2-B*7-B	7.1	9.0	8.0	S
87	SN299-30	VL109474	(CLQ-RCYQ46=(CML150xCL-03618)-B-17-2-2-BxCL-02450)-B-6-3-BB-1-B*8-B-B-B	8.0	9.0	8.5	S
88	SN278-16	VL108496	Saracura-11-3-2-2-1-B*11-B-B	7.8	8.9	8.4	S
89	SN295-69	SNL142463	(CA14514-8-1-2-B/CA14514-9-4-2-B)-B-2-1-BB-B	7.7	9.0	8.2	S
90	SN295-72	SNL142411	(CA14514-7-B-2-B/CA14514-9-6-3-B)-B-6-1-BB-B	8.2	9.0	8.4	S
91	SN295-127	SNL142412	(CA14514-7-B-2-B/CA14514-9-6-3-B)-B-7-1-BB-B	7.1	9.0	8.0	S
92	SN295-130	SNL142472	(CA14514-8-1-2-B/CA14514-9-4-2-B)-B-14-2-BB-B	8.2	9.0	8.5	S
93	SN295-136	SNL143392	(CA14514-7-B-2-B/CA00106-9-B-2-B)-B-5-1-BB-B	7.7	9.0	8.5	S
94	SN295-137	SNL142481	(CA14514-8-1-2-B/CA14514-9-4-2-B)-B-21-1-BB-B	8.5	9.0	8.7	S
95	SN295-138	SNL142536	(CA14514-7-B-2-B/SW92145-2P9S2-##-B*6-1-B-2-B)-BB-3-1-B-B	8.5	9.0	8.7	S
96	SN294-100	SNL15107	(DMSyn-C0)-21-2-B-1-B	8.0	9.0	8.5	S
97	SN294-101	SNL15108	(DMSyn-C0)-73-1-B-1-B	7.6	9.0	8.5	S
98	SN294-104	SNL15111	(DMSyn-C0)-78-1-B-1-B	5.3	9.0	7.3	S
99	Sus. Check	VL1012756	CML472-B	6.8	9.0	8.2	S
100	Res. Check	VL1012903	CML465-B*5-B-B	5.0	8.4	6.7	MS

Contd.

Table 22.

S.No.	Stock Id	Entry Name	Pedigree	FSR (1-9)	
				CWZ	
				UDAI	Reaction
1	SN298-69	VL0511321	[TS6C1F238-1-3-3-1-2-#-BB/[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-10-7(I)-X-X-X-2-BB-1]-1-1-2-1-1-B*5-1-B-B2-B*4-B-B-B	2.1	R
2	SN268-115	VL0512388	CML171-BBB-1-B*8-B	3.0	R
3	SN279-76	SNL153296	CML227-B*9-B-B	2.5	R
4	SN268-118	VL0512423	CML229-B*9-B	2.7	R
5	SN268-173	SNL153284	TL-SEQUIAS03446-2-B-24-2-B*8-B	3.2	MR
6	SN280-87	VL1012767	(CTS013050/(AMATLCOHS167-1-1-1-2F/R)-B*5/Ki44)-B*11-B-B	2.7	R
7	SN269-8	VL1012849	POP352CO-HS110-2-1-B*5-1-B*7-B	2.1	R
8	SN244-45	VL1016173	POB33c4F213-6-1-1-B*4-2-B*8-B	2.8	R
9	SN280-71	VL1016178	POB45c9F22-18-3-1-B*4-1-B*8-B-B	2.4	R
10	SN269-71	VL1017256	P390amC3/285x287F73-3-2-3xMIRTC5AmF96-1-1-1-3-1)-1-1-B*6-B	2.7	R
11	SN278-80	SNL153271	POOL16BNSEQC3F34x31-2-1-2-3-B*7-B-B	3.0	R
12	SN278-54	VL1018172	POOL16BNSEQC3F28x15-3-1-2-2-B*8-B-B	2.5	R
13	SN270-31	VL1018393	CML164-B*8-B	1.9	R
14	SN269-24	VL1018419	CML193-B*5-B	2.8	R
15	SN269-84	SNL153297	CML254-B*8-B	1.9	R
16	SN269-82	SNL153295	CML291-1-B*7-B	3.4	MR
17	SN244-135	VL1018792	CML329/MBRc2amF14-2-B*9-B	2.0	R
18	SN270-84	VL1018794	S87P69Q(SIYF)131-2-2-1-B*7-B	3.0	R
19	SN280-38	VL1018807	CLA91-B*5-B-B	3.4	MR
20	SN270-73	VL1033	CA14514-4-3-1-B*6-B	2.6	R
21	SN268-165	VL1033	CA14514-1-B-1-B*6-B	2.3	R
22	SN269-56	VL1042	CLQRCYQ49-B*8-B	3.0	R
23	SN269-57	VL1044	CLQRCYQ60-B*8-B	2.5	R
24	SN298-103	VL1047	CLRCY030-B*8-B-B	1.6	R
25	SN269-10	VL107657	(CML474/S92145-2EV-7-3-B*5)-F2-58-1-B*10-B	2.1	R

Contd.

Table 22.

S.No.	Stock Id	Entry Name	Pedigree	FSR (1-9)	
				CWZ	
				UDAI	Reaction
26	SN268-53	VL108496	CA00102/CA00106-B-11-1-B*7-B	2.9	R
27	SN270-15	VL108866	DTPYC9-F38-4-3-1-3-2-1-2-B*8-B	2.6	R
28	SN280-63	VL108867	DTPYC9-F38-5-2-1-1-2-2-1-B*8-B-B	2.8	R
29	SN268-107	VL108880	EW-DMR-G-C7-HS-(SIB)-9-B-1-B*7-B	1.8	R
30	SN270-26	VL109078	G18SeqC5F100-1-1-3-1-2-B*9-B	2.5	R
31	SN298-95	SNL153223	G18SeqC5F19-1-2-1-2-4-B*7-B-B	2.6	R
32	SN270-35	VL109080	G18SeqC5F19-1-2-1-2-2-B*6-B	1.8	R
33	SN268-136	VL109179	P31C4S5B-23-##-6-B*6-1-4-2-B*6-B	2.2	R
34	SN268-24	VL109287	(CML161xCLQ-RCYQ49=(CML176/CL-G2501)-B-55-2-1-B)-B-19-1-B*9-B	2.7	R
35	SN244-353	VL109293	(PHY11-3-1-3-1-1-2-B*5/CML161)-B-3-2-BB-1-B*5-B	1.4	R
36	SN287-39	VL1017169	(CLQ-6601xCL-02843)-B-2-2-1-BB-1-B*8-B-B	2.2	R
37	SN268-56	VL109452	(CLQ-6601xCL-02843)-B-26-3-1-BB-2-B*7-B	2.0	R
38	SN280-22	VL109480	(CML150xCL-03618)-B-11-1-1-1-B*4-1-B*8-B-B	1.7	R
39	SN269-21	VL121096	NEI9008-B*6-B	2.4	R
40	SN278-7	VL1213	(DT/LN/EM-46-3-1xCML311-2-1-3)-B-F303-1-1-1-B*7-B-B	4.0	MR
41	SN298-39	VL1217	(DT/LN/EM-46-3-1xCML311-2-1-3)-B-F43-1-1-1-B*5-B-B-B	2.4	R
42	SN278-21	VL1218	(DT/LN/EM-46-3-1xCML311-2-1-3)-B-F50-1-1-1-B1-B*4-B-B	3.0	R
43	SN268-41	VL1219	(DT/LN/EM-46-3-1xCML311-2-1-3)-B-F70-1-1-1-B*4-B	3.1	R
44	SN270-14	VL1227	CA03139-6-7-1-B*7-B	2.9	R
45	SN268-36	VL123	(DT/LN/EM-46-3-1xCML311-2-1-3)-B-F149-1-1-1-B*5-B	2.3	R
46	SN270-16	VL1236	Saracura-11-3-2-2-1-B*11-B	2.0	R
47	SN280-76	VL1249	WLS-F299-2-1-2-B-2-B*6-B-B	2.2	R
48	SN244-144	VL126	(DT/LN/EM-46-3-1xCML311-2-1-3)-B-F191-1-1-1-B1-B*4-B	2.6	R
49	SN-156-14		DTPYC9-F102-3-1-2-2-1-2-2-B-B-B1-B	2.2	R
50	SN-156-7	SNL142663	CML311-2-1-1-B*7	2.7	R
51	SN-156-6	SNL142789	(DT/LN/EM-46-3-1xCML311-2-1-3)-B-F350-1-1-1	2.9	R

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Table 22.

S.No.	Stock Id	Entry Name	Pedigree	FSR (1-9)	
				CWZ	
				UDAI	Reaction
52	SN227-98	VL062611	DTPYC9-F46-3-4-1-1-B*5-B	3.3	MR
53	SN360-52	VL073318	[SYN-USAB2/SYN-ELIB2]-12-1-1-2-B*5-1-B*6-B-B-B-B	3.9	MR
54	SN-156-12		DTPWC9-F104-5-1-3-2-1-2-1-B-B-B-B	3.0	R
55	SN-156-9	VL1018142	POOL16BNSEQC3F26x29-1-1-2-1-BBB	2.0	R
56	SN-108-15	VL1033	CA14514-9-6-3-B*4-B	2.2	R
57	SN280-189	VL1043	CLQRCYQ59-B*8-B	2.7	R
58	SN279-87	VL1050	CLRCY041-B*8-B	2.5	R
59	SN360-1	VL107730	(DT/LN/EM-46-3-1xCML311-2-1-3)-B-F203-1-1-1-B-B	3.0	R
60	SN227-91	VL108750	CA00360/Pio3011F2-3-5-6-1-B*10-B	2.4	R
61	SN268-46	VL108304	[CML327xCML287]F2-32-1-B*5-2-B*8-B	3.1	R
62	SN244-235	VL108335	[CML329/MBRc2Am]F14-1-B*13-B	2.2	R
63	SN268-176	SNL153286	SO4YLWL-112-B-1-2-B-1-B*7-B	3.4	MR
64	SN270-30	VL1251	WLS-F36-4-2-2-B-1-B*7-B	2.4	R
65	SN244-345	VL108723	CA00310/AMATLCOHS71-1-1-2-1-1-1-B*17-B	2.7	R
66	SN244-224	VL1031	CA03141-1-B-2-B*8-B	2.6	R
67	SN244-200	VL1017795	POB45c9F210-17-1-2-B*12-B	1.7	R
68	SN244-232	VL1010766	(CML165xKI45)-B-11-3-BB-1-B*8-B	2.9	R
69	SN298-77	VL1010764	(CML165xCL-02843)-B-12-3-1-BB-1-B*8-B-B-B	2.3	R
70	SN280-96	VL1211	(DT/LN/EM-46-3-1xCML311-2-1-3)-B-F293-1-1-1-B*5-B-B	2.0	R
71	SN278-25	VL1215	(DT/LN/EM-46-3-1xCML311-2-1-3)-B-F331-1-1-1-B*5-B-B	1.8	R
72	SN278-12	VL1221	(DT/LN/EM-46-3-1xCML311-2-1-3)-B-F76-1-1-1-B*5-B-B	3.2	MR
73	SN280-47	VL1223	[G16SeqC1F47-2-1-2-1-B*5xP84c1F26-2-2-6-B-3-B]F25-2-3-1x[KILIMAST94A]-30/MSV-03-101-08-BB-1xP84c1F27-4-1-4-B-3-B]F2-1-2-2-4-2-BxCML161]-1-1-B*6-B-B	2.1	R
74	SN280-182	VL05616	[SC/CML204//FR812]-X-30-2-3-2-1-B*4-1-B*8-B	2.1	R
75	SN298-6	VL1029	CA03130-BB-2-B-1-B*7-B-B-B	2.8	R
76	SN280-57	VL1030	CA03139-BBB-2-B*7-B-B	2.1	R

Contd.

Table 22.

S.No.	Stock Id	Entry Name	Pedigree	FSR (1-9)	
				CWZ	
				UDAI	Reaction
77	SN280-165	VL108726	CA03147-B*7-B-B	2.8	R
78	SN279-2	VL109582	CLQ-RCYQ36-B-1-B*8-B-B	2.1	R
79	SN298-79	VL108808	CLRCY015-B*6-B-B-B	2.1	R
80	SN279-30	VL1018640	CML448-B*6-B-B	2.0	R
81	SN279-34	VL1012903	CML465-B*7-B-B	3.7	MR
82	SN298-85	VL05552	CML491-B*8-B-B-B	2.1	R
83	SN279-41	VL05550	CML503-B*8-B-B	1.9	R
84	SN280-190	VL062623	DTPYC9-F102-4-5-1-1-BBB-B1-B*4-B	3.7	MR
85	SN278-19	VL1018803	DTPYC9-F125-2-8-1-1-B*8-B-B	2.7	R
86	SN279-19	VL1018108	LaPostaSeqC7-F71-1-2-2-1-B*10-B-B	2.8	R
87	SN280-68	VL058454	NIP25-20-1-1-B-1-B*4-1-B-1-B*6-B-B	2.0	R
88	SN280-70	VL1016242	POB45c8-67-1-1-3-B*16-B-B	3.2	MR
89	SN278-49	VL1018160	POOL16BNSEQC3F10x1-1-1-2-2-B*8-B-B	2.1	R
90	SN280-74	VL1240	SO4YLWL-96-B-1-1-B-1-B*7-B-B	2.6	R
91	SN278-56	VL1242	WLS-F173-3-1-1-B-2-B*7-B-B	3.0	R
92	SN278-17	VL1244	WLS-F190-2-1-1-B-2-B*6-B-B	2.8	R
93	SN280-187	VL1250	WLS-F310-3-2-2-B-1-B*8-B	2.6	R
94	SN298-28	VL057982	ZEWAc1F2-134-4-1-B-1-B*4-1-B-1-B*8-B-B-B	2.6	R
95	SN298-52	VL057847	ZEWAc1F2-300-2-2-B-1-B*4-1-B-1-B*8-B-B-B	1.6	R
96	SN316-1	VL1055	CML451-B	2.6	R
97	SN316-3	VL105612	CML474-B	3.2	MR
98	SN316-5	VL1036	CL02450-B	1.2	R
99	SN316-2	VL105611	CML470-B	2.5	R
100	SN316-4	VL1012756	CML472-B	2.6	R
Sus. Check (Surya)				7.5	S
Res. Check (DHM 117)				1.5	R

Table 23. Assessment of avoidable yield losses due to MLB at Dhaulakuan

Replication	Treatment	Disease score	PDI*	Yield (kg/ha)	Yield loss (%)
R1	Protected	2.0	22.22	2533	14.63
	Unprotected	4.0	33.33	2210	
R2	Protected	1.0	27.78	2467	25.42
	Unprotected	3.0	33.33	1967	
R3	Protected	1.0	11.11	2550	16.44
	Unprotected	3.0	27.78	2190	
R4	Protected	2.0	16.67	2650	19.55
	Unprotected	5.0	33.33	2217	
R5	Protected	3.0	22.22	2400	17.07
	Unprotected	4.0	50.00	2050	
R6	Protected	2.0	33.33	2367	29.09
	Unprotected	4.0	44.44	1833	
R7	Protected	2.0	22.22	2250	12.50
	Unprotected	3.0	33.33	2000	
R8	Protected	3.0	22.22	2500	32.74
	Unprotected	4.0	27.78	1883	
R9	Protected	2.0	33.33	2667	16.82
	Unprotected	5.0	45.56	2283	
Mean	Protected	2.0	23.45 (28.69)	2487	
	Unprotected	3.9	36.54(37.09)	2070	
Disease control (%)					55.57
Avoidable yield losses (%)					18.49
CD (5%)		3.38		90.02	
CV (%)		9.30		3.58	

* Transformed values in parenthesis

Result:- An experiment was conducted to evaluate yield losses in maize due to Maydis leaf blight using variety early composite. There were two treatments i.e. treated and untreated with nine replications each. The protected plots were sprayed with propiconazole (0.1percent) at frequent intervals. Disease severity in plots sprayed with tilt @ 0.1percent was 23.45 percent compared with 36.54 percent in check plots with corresponding yield of 2487 kg/ha and 2070 kg/ha, respectively showing an increase of 18.49 percent over unsprayed plots

Table 24. Assessment of avoidable yield losses due to MLB at Kalyani

Replication	Treatment	Disease Score	Yield (kg/ha)	Yield loss (%)
R1	Protected	5.1	7937.33	32.40
	Unprotected	6.8	5365.33	
R2	Protected	5.2	4444.00	25.47
	Unprotected	6.6	3312.00	
R3	Protected	5.4	5118.00	27.64
	Unprotected	6.8	3703.00	
R4	Protected	5.5	7218.00	18.75
	Unprotected	6.6	5864.00	
R5	Protected	5.1	7433.33	15.67
	Unprotected	5.8	6268.00	
R6	Protected	5.4	7114.66	23.21
	Unprotected	6.8	5463.33	
R7	Protected	5.9	6256.66	17.55
	Unprotected	6.8	5158.66	
R8	Protected	6	6884.66	16.83
	Unprotected	6.8	5725.33	
R9	Protected	5.1	6708.66	20.61
	Unprotected	6.2	5326.66	
Avoidable yield loss (%)				22.01

Table 25. Assessment of avoidable yield losses due to TLB at Dharwad

Replication	Treatment	Disease score	PDI	Yield (kg/ha)	Yield loss (%)
R1	Protected	3.5	32.57	6359.28	19.33
	Unprotected	7.5	80.44	5129.75	
R2	Protected	4.0	38.40	6166.80	19.62
	Unprotected	8.0	85.66	4956.63	
R3	Protected	3.5	33.25	6284.50	18.25
	Unprotected	8.0	80.83	5137.66	
R4	Protected	4.0	39.65	6494.26	22.79
	Unprotected	8.0	87.92	5013.84	
R5	Protected	4.0	43.62	6237.66	18.47
	Unprotected	9.0	86.75	5085.42	
R6	Protected	3.0	33.71	6420.53	18.42
	Unprotected	7.5	77.59	5237.91	
R7	Protected	4.0	43.66	5988.40	19.39
	Unprotected	8.5	84.70	4826.66	
R8	Protected	3.5	44.38	6523.82	22.32
	Unprotected	8.0	86.57	5067.46	
R9	Protected	4.0	39.28	6255.73	19.78
	Unprotected	8.0	80.66	5018.50	
Avoidable yield loss (%)					19.82

Results:- The Protected plots were sprayed with Tebuconazole 250EC @ 0.1% at 35 and 45 days after sowing. The avoidable yield loss due to TLB was estimated to the tune of 19.82 per cent.

Table 26. Assessment of avoidable yield losses due to CLS at Godhra

Replication	Treatment	Disease Score	PDI (%)	Yield (q/ha)	Yield loss (%)
R ₁	Protected	2.0	22.30	49.00	14.83
	Unprotected	3.0	33.33	42.67	
R ₂	Protected	3.0	33.80	48.33	19.04
	Unprotected	4.0	40.52	40.60	
R ₃	Protected	2.0	22.22	47.67	18.67
	Unprotected	4.0	44.44	40.17	
R ₄	Protected	2.0	22.22	48.50	14.39
	Unprotected	4.0	45.56	42.40	
R ₅	Protected	3.0	27.78	49.50	16.01
	Unprotected	5.0	50.00	42.67	
R ₆	Protected	3.0	33.33	47.00	14.63
	Unprotected	5.0	55.55	41.00	
R ₇	Protected	2.0	22.22	46.67	20.19
	Unprotected	5.0	45.56	38.83	
R ₈	Protected	3.0	37.78	45.50	12.35
	Unprotected	5.0	50.00	40.50	
R ₉	Protected	3.0	33.80	48.00	22.04
	Unprotected	5.0	45.56	39.33	
Mean	Protected	2.5	28.38 (32.79)	47.79	
	Unprotected	4.4	45.61 (49.55)	40.90	
Disease control (%)					60.71
Avoidable yield loss (%)					16.91
CD (%)					5.65
CV (%)					12.87

Note:- Figures in parenthesis are angular transformed values

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Results:- The protected plots were sprayed with Azoxystrobin @ 0.5% at 35 and 45 days after sowing. The avoidable yield loss due to curvularia leaf spot (CLS) was estimated to 16.91 per cent.

Table 27. Assessment of avoidable yield losses due to RDM at Udaipur

Replication	Protected	PDI (%)	Yield (q/ha)	Yield Loss (%)
R-1	Protected	12.0	42.3	
	Unprotected	68.0	27.0	
R-2	Protected	11.0	56.0	
	Unprotected	65.0	21.0	
R-3	Protected	16.0	43.0	
	Unprotected	74.0	19.5	
R-4	Protected	14.0	52.0	
	Unprotected	63.0	23.0	
R-5	Protected	09.0	68.0	
	Unprotected	67.0	27.6	
R-6	Protected	09.0	56.9	
	Unprotected	69.0	20.8	
R-7	Protected	13.0	56.7	
	Unprotected	78.0	16.3	
R-8	Protected	14.0	51.8	
	Unprotected	55.0	26.0	
R-9	Protected	10.0	54.2	
	Unprotected	64.0	18.5	
Mean	Protected	12.0		
	Unprotected	67.0		
Avoidable yield loss (%)				41.52
CD (5%): PDI & % PDI; 7.92,5.12 grain yield-7.62 ; yield loss-7.99				
CV (%)8.36				

Table 28. Assessment of avoidable yield losses due to SDM at Mandya

Replications	Treatments	SDM (%)	Yield (kg/ha)	Yield loss (%)
R1	Protected	7.2 (15.56)*	4228	86.9
	Unprotected	81.3 (64.37)	550	
R2	Protected	10.2 (18.62)	4138	89.5
	Unprotected	92.1 (73.67)	433	
R3	Protected	8.9 (17.35)	4213	87.8
	Unprotected	83.1 (65.72)	513	
R4	Protected	7.3 (15.67)	4189	89.4
	Unprotected	88.1 (69.81)	440	
R5	Protected	11.2 (19.55)	4038	88.0
	Unprotected	96.1 (78.60)	481	
R6	Protected	10.7 (19.09)	4091	90.6
	Unprotected	97.1 (80.18)	381	
R7	Protected	6.8 (15.11)	4318	90.0
	Unprotected	89.3 (70.90)	431	
R8	Protected	8.1 (16.53)	4313	90.7
	Unprotected	93.1 (74.76)	401	
R9	Protected	10.3 (18.72)	4013	89.0
	Unprotected	88.0 (69.72)	438	
Avoidable yield loss (%)				89.1
Mean-Protected		8.96	4171	
Unprotected		89.8	452	
T Stat		-29.14	91.03	
Table t Value		2.12	2.12	

*Figures in parenthesis are Arc sign Transformed Values

Protected:- Seed treatment with Metalaxyl + Mancozeb @ 3.0gms/kg of seeds

Table 29. Maize diseases in trap nursery trial

S. No.	Genotype	Maydis leaf Blight (1-9)										MLB (%)	
		DELH	DHAR	DHAU	DHOL	HYDE	KALY	KARN	LUDH	MAND	UDAI	PANT	
1	CM 202	1.0	6.0	3.0	5.0	-	5.0	4.2	2.5	5.0	1.0	100	L
2	CM 119	7.0	4.0	9.0	9.0	1.9	9.0	6.3	3.0	3.0	1.5	100	H
3	11MRPBT POOL	2.0	4.0	5.0	7.0	-	7.1	-	3.0	-	1.5	0	-
4	CM 500	4.0	4.0	3.0	9.0	2.0	5.3	-	2.5	-	1.0	100	M
5	CM 501	2.0	2.5	3.0	6.0	4.2	7.0	5.6	2.0	-	1.0	100	T
6	INDIMYT 100-2-1-1-2-1-1	3.0	2.0	1.0	5.0	-	5.0	5.4	3.0	-	1.5	0	-
7	BML 7	2.0	8.0	2.0	7.0	-	3.1	8.1	3.0	-	1.0	100	T
8	DMRF 63	1.0	2.0	4.0	8.0	-	6.0	7.2	2.0	-	1.0	100	T
9	CM 152	2.0	4.5	4.0	8.0	2.1	8.0	8.6	3.5	-	1.5	100	L
10	BML 6	3.0	4.0	8.0	9.0	1.7	8.1	8.7	3.0	3.5	1.0	100	L
11	CM 400	1.0	4.5	8.0	9.0	2.1	8.0	6.2	4.0	-	1.0	100	M
12	CM 600	8.0	4.0	8.0	8.0	3.2	9.0	8.8	4.5	-	1.5	100	M
13	Res. Check (CI4)	-	2.0	-	-	-	-	-	-	-	-	-	-
14	Sus. Check (CM 202)	-	6.0	-	-	-	-	-	-	-	-	-	-

Contd.

Table 29.

S. No.	Genotype	Turcicum leaf blight (1-9)						Banded leaf and sheath blight (1-9)					BSR (%)		
		ALMO	COIM	DHAR	HYDE	KALY	MAND	DHAU	KARN	LUDH	PANT (%)	UDAI	LUDH	PANT	
1	CM 202	5.0	5.0	8.0	2.1	6.4	8.0	1.0	2.3	0.0	0	-	1.0	0	0
2	CM 119	1.0	3.0	4.5	2.6	7.0	5.0	1.0	3.3	0.0	20	L	1.0	0	0
3	11MRPBT POOL	5.0	2.0	2.5	3.1	7.2	2.0	1.0	-	0.0	67	L	0.0	0	0
4	CM 500	3.0	5.0	2.0	3.4	6.0	3.0	2.0	-	0.0	43	M	1.5	0	0
5	CM 501	3.0	4.0	4.0	2.2	8.0	2.0	3.0	2.2	0.0	18	M	0.5	0	0
6	INDIMYT 100-2-1-1-2-1-1	3.0	5.0	2.5	2.3	6.1	3.0	3.0	1.8	0.0	20	-	1.0	0	0
7	BML 7	5.0	5.0	3.0	1.3	4.2	2.0	2.0	4.4	0.0	11	L	1.0	0	0
8	DMRF 63	5.0	4.0	2.0	2.1	6.1	2.0	2.0	1.8	0.0	44	H	1.0	0	0
9	CM 152	7.0	1.0	7.0	2.1	8.0	5.0	3.0	3.8	0.0	0	-	0.0	6	0
10	BML 6	7.0	2.0	2.5	1.2	7.0	4.0	2.0	2.3	2.0	33	H	0.0	0	0
11	CM 400	8.0	3.0	6.0	4.2	8.0	9.0	1.0	2.4	0.0	0	-	0.0	0	0
12	CM 600	9.0	2.0	9.0	2.7	9.0	8.0	-	3.3	0.0	100	H	0.0	0	25
13	Res. Check	-	-	2.0	-	-	2.0	-	-	-	-	-	-	-	-
14	Sus. Check	-	-	8.0	-	-	7.0	-	-	-	-	-	-	-	-

Res. Check:- TLB:- CI4 (Dharwad); NAH 2049 (Mandya)

Sus. Check:- TLB:- CM 202 (Dharwad, Mandya)

Contd.

Table 29.

S. No.	Genotype	PFSR (1-9)			PFSR (%)	C.Rot (1-9)	FSR (%)	SDM (%)		RDM (%)	C.Rust (1-9)	P.Rust (1-9)	Rust (1-9)
		HYDE	LUDH	UDAI	DELH	MAND	MAND	COIM	MAND	UDAI	DHAR	MAND	COIM
1	CM 202	6.2	5.8	3.0	60	-	-	9	-	13	8.0	5.0	3.0
2	CM 119	7.2	7.5	2.0	25	-	-	0	-	6	8.0	5.5	3.0
3	11MRPBT POOL	7.4	7.4	2.0	75	4.0	-	0	-	11	3.5	5.0	4.0
4	CM 500	6.7	5.7	1.0	50	-	-	9	-	0	4.0	3.5	5.0
5	CM 501	5.8	2.3	3.0	67	-	-	0	70	6	4.5	3.0	3.0
6	INDIMYT 100-2-1-1-2-1-1	7.8	2.0	4.0	71	-	20	0	70	0	2.0	2.0	2.0
7	BML 7	7.0	2.4	1.0	50	-	-	0	-	8	3.0	2.0	2.0
8	DMRF 63	6.0	2.4	4.0	50	-	-	0	-	0	4.5	2.0	2.0
9	CM 152	4.7	2.4	0.0	60	-	-	0	-	0	4.0	3.0	1.0
10	BML 6	6.2	6.4	2.0	25	-	-	27	-	0	4.5	2.0	-
11	CM 400	7.2	6.8	2.0	25	-	-	0	-	20	7.0	3.0	2.0
12	CM 600	6.4	6.4	3.0	60	-	-	0	-	14	6.0	3.0	4.0
13	Res. Check (NAH 2049)	-	-	-	-	-	-	-	-	-	2.0	1.5	-
14	Sus. Check (CM 202)	-	-	-	-	-	-	-	-	-	8.0	6.0	-

Table 30. Survey and surveillance of maize diseases in Himachal Pradesh (Bajaura)

Systematic surveys were conducted under survey and surveillance programme in maize growing areas of Mandi, Kullu and Bilaspur district of Himachal Pradesh during *Kharif*, 2017. The most common diseases of these areas were Turcicum Leaf Blight (TLB), Banded leaf and sheath blight (BLSB) and Maydis leaf blight. Brown spot and Curvularia leaf spot diseases of maize were of minor importance.

District/Disease	Turcicum Leaf Blight	Banded Leaf and Sheath Blight	Maydis Leaf Blight	Brown Spot	Curvularia Leaf Spot
Mandi	Medium	High	Medium	Medium	Low
Kullu	Medium	Medium	Medium	Low	Low
Bilaspur	Medium	Moderate to High	Medium to High	Medium	Low

Table 31. Survey and surveillance of maize diseases in Himachal Pradesh (Dhaulakuan)

Beside this local survey of maize growing adjoining villages was also done during the season. The incidence of various maize diseases varies from place to place and variety to variety. The incidence of the various maize diseases in Poanta valley was as follows:

S. No.	VILLAGE	BLSB*	CLS	BS	BSR	TLB	MLB
1.	Rampur	M-H	L	T	L-M	T	L
2.	Khambanagar	M-H	T	T	L-M	-	M
3.	Parduni	H	L	-	L-M	-	M
4.	Kotli	L	L	-	L	-	L
5.	Kolar	M-H	T	T	L-M	-	M
6.	Johro	M	L	L	L	-	M
7.	Ftehpur	L	L	-	L	-	-
8.	Sainwala	H	L	L	H	-	H
9.	MatakMajri	M	M	L	M	-	M

*BLSB incidence was more in early sown crop

**Disease intensity:- T - Traces; L - Low; M - Medium; H - High

Table 32. Survey and surveillance of maize diseases in Punjab during *Kharif* 2017 (Ludhiana)

S. No.	District	Crop Stage	Foliar diseases				Stalk rots		Ear rots at harvest
			MLB	BLSB	CLS	BLS	BSR	PFSR	
1.	Shaheed Bhagat Singh Nagar	Knee high and grain filling stage	Moderate	Moderate	-	-	Moderate	Moderate	-
2.	Hoshiarpur	Knee high and grain filling stage	Moderate	Moderate	-	Low	Moderate	Moderate	Low
3.	Ludhiana	Knee high and grain filling stage	Moderate	Moderate	Low	Low	Low	Moderate	Low
4.	Ropar	Knee high and grain filling stage	Low to Moderate	Low to Moderate	-	-	Low	Low	-
5.	Gurdaspur	Knee high and grain filling stage	Moderate	Moderate	-	-	Moderate	Low	Low
6.	Jalandhar	Knee high and grain filling stage	Moderate	Moderate	-	-	Low	Low to Moderate	-

Table 33. Survey and surveillance of maize diseases in Uttarakhand during Spring/*Kharif* 2017 (Pantnagar)

Spring 2017

S. No.	Date	Crop Stage	State/Dist.	Pest/ disease	Intensity*
1.	3.5.2017	Tasseling stage (Summer Crop)	Uttarakhand/ Pantnagar	<i>Curvularia</i> Leaf spot	L
				Shoot Borer	M
		Grain Filling stage (Winter Crop)	Uttarakhand/ Pantnagar	PFSR	T
				<i>Physoderma</i> Leaf spot	T

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2.	13.5.2017	Tasseling stage (Summer Crop)	Uttarakhand/ Pantnagar	<i>Curvularia</i> Leaf spot	L
				Shoot Borer	M
		Grain Filling stage (Winter Crop)	Uttarakhand/ Pantnagar	PFSR	T
				<i>Physoderma</i> Leaf spot	T
		Maturity stage (Winter Crop)	Uttarakhand/ Pantnagar	Cob Rot	T

*Disease intensity:- T - Traces; L - Low; M - Medium; H – High

Kharif 2017

S. No.	Date	Crop Stage	State/Dist.	Pest/ disease	Intensity*
1.	1.8.2017	Grain Filling stage (Summer Crop)	Uttarakhand/ Pantnagar	Stem Borer	M
				BLSB	L
		Early Growth stage (Kharif Crop)	Uttarakhand/ Pantnagar	Nil	-
2.	8.8.2017	Grain Filling stage (Summer Crop)	Uttarakhand/ Pantnagar	Stem Borer	M
				BLSB	L
		Early Growth stage (Kharif Crop)	Uttarakhand/ Pantnagar	Stem Borer	T
3.	14.8.2017	Maturity stage (Summer Crop)	Uttarakhand/ Pantnagar	Stem Borer	T
				BLSB	M
				Bacterial Stalk Rot	L
	Vegetative stage (Kharif Crop)	Uttarakhand/ Pantnagar	Stem Borer	L	
			Maydis Leaf Spot	L	

4.	28.08.2017	Grain filling - Maturity	Uttarakhand/ Nainital	Maydis Leaf Spot	L
				Fusarium Stalk Rot	M
5.	11.09.2017	Tesseling- Silking stage	Uttarakhand/ Pantnagar	BLSB	S
				Bacterial Stalk Rot	L
				Maydis Leaf Spot	S
				Fusarium Stalk Rot	L
				<i>Physoderma</i> Brown Spot	L

*Disease intensity:- T - Traces; L - Low; M - Medium; H- High

Table 34. Survey and surveillance of maize diseases in North Bihar during *Kharif* 2017 (Dholi)

S. No.	District /place	Location	No. of fields surveyed	Month of surveyed	Crop stage	Crop variety	Foliar diseases				
							MLB (1-9)	MLB (PDI)	TLB (1-9)	BLSB (1-9)	BSR (1-9)
1.	Muzaffarpur	Gayghat	2	Sept-Oct	Grain filling stage	Hybrid	4	40	Nil	Nil	Nil
		Motipur	2	Sept-Oct			7	70			
		Pikhi	3	Sept-Oct			5	50			
		Mohamadpur	2	Sept-Oct			8	80			
2.	Samastipur	Dalsingh sarai	1	Sept-Oct			5	50			
		Bhagatwatpur	3	Sept-Oct			8	80			
		Baghauni	2	Sept-Oct			7	70			
		Birauli	3	Sept-Oct			5	50			
3.	Vaisali	Proper Vaishali	2	Sept-Oct			6	60			
		Jamdaha	1	Sept-Oct			7	70			
		Sarairanjan	2	Sept-Oct			4	40			
4.	E. Champaran	Turkauliya	1	Sept-Oct			6	60			

	Piparakothi (Near KVK)	3	Sept-Oct			7	70			
	Kalyanpur	3	Sept-Oct			6	60			

MLB= Maydis leaf blight, **TLB** = Turcicum leaf blight, **BLSB** = Banded leaf and sheath blight, **BSR** = Bacterial stock rot.

PDI = Percent Disease Index.

A survey was carried out during *Kharif* 2017 in different parts and directions *viz.*, in Muzaffarpur, Samastipur, Vaishali and East Chamaran district to know the prevalence of diseases and their intensity. The information was recorded in 30 farmer fields from 14 different places of about 50 acres coverage. During the survey the major disease like Maydis leaf blight was noticed in sever to moderate intensity in almost all the field surveyed. Maximum disease incidence was noticed in Mohamadpur village of Muzaffarpur district and Bhagawatpur village of Samastipur district. Other than Maydis leaf blight no any disease like Turcicum leaf blight, Banded leaf and sheath blight, and Bacterial stock rot were noticed in all surveyed locations.

Table 35. Survey and surveillance of maize diseases in Tamil Nadu during *Kharif* 2017 (Coimbatore)

S. No.	Crop	District	Disease	Intensity
1.	Flowering to maturity stage	Coimbatore	Sorghum downy mildew	Low
2.	Knee high stage	Perampallur	-	-
3.	Young seedling stage (Rainfed)- Fodder purpose	Tiruppur	-	-
4.	Flowering stage	Dindigul	Turcicum leaf blight	Low

Table 36. Survey and surveillance of maize diseases in Northern Karnataka during *Kharif* 2017 (Dharwad)

S. No.	District /Place	Area covered (ha)	No. of fields surveyed	Date of survey	Crop Stage	Variety /Hybrid	Foliar diseases severity (PDI)			
							TLB	C.Rust	CLS	MLB
1.	Dharwad	45.0	32	Sept-Oct	Dough stage	Hybrid	56.84	55.75	49.37	29.86
2.	Kalaghatagi	25.0	28	Aug-Sept	Grain filling stage	Hybrid	55.20	50.33	50.75	27.54
3.	Shiggon	10.5	6	Sept-Oct	Grain filling stage	Hybrid	52.75	45.65	22.80	Traces
4.	Haveri	35.0	26	Sept-Oct	Grain filling stage	Hybrid	55.44	42.83	39.60	33.50

5.	Gokak	15.0	18	Aug-Sept	Grain filling stage	Hybrid	52.33	52.69	25.48	32.94
6.	Bailhongal	5.0	11	Sept-Oct	Maturity stage	Hybrid	53.10	52.48	28.55	Traces
7.	Bagalkot	18.5	16	Sept-Oct	Maturity stage	Hybrid	44.65	53.50	Traces	36.40
8.	Arabhavi	25.0	15	Sept-Oct	Grain filling stage	Hybrid	53.83	51.88	33.85	35.38
9.	Devihousur	10.0	12	Sept-Oct	Dough stage	Hybrid	50.66	54.25	44.66	32.25
10.	Hirekerur	30.0	22	Sept-Oct	Dough stage	Hybrid	51.84	41.66	38.14	49.88
11.	Savanur	8.0	13	Sept-Oct	Grain filling stage	Hybrid	50.32	39.53	30.25	25.66
12.	Mudhol	20.5	16	Sept-Oct	Grain filling stage	Hybrid	46.30	47.05	33.78	40.55
13.	Ramdurg	16.0	18	Sept-Oct	Grain filling stage	Hybrid	34.16	33.81	Traces	25.20
14.	Sankeswar	14.0	10	Sept-Oct	Dough stage	Hybrid	58.60	38.66	40.95	32.78

Table 37. Survey and surveillance of maize diseases in Southern Karnataka during *Kharif* 2017 (Mandya)

S. No.	District/ place	Area covered (acre)	No. of field surveyed	Date of survey	Crop stage	Variety/ hybrid	Foliar disease severity(PDI)					BLSB (%)	PFSR incidence (%)
							TLB (%)	CLS (%)	MLB (%)	P.Rust (%)	SDM (%)		
1.	Shimoga	15	8	Sep-Oct	Knee high and Grain filling stage	CP seeds, GK seed	70	20	10	50	30	40	-
2.	Hassan	25	12	Sep-Oct	Knee high and Grain filling stage	GK seed	80	10	-	-	40	20	-
3.	Mysore	20	8	Sep-Oct	Grain filling stage	Pioneer	45	-	20	-	50	-	-
4.	Bangalore Rural	25	10	Sep-Oct	Grain filling stage	CP818, Pioneer	60	-	10	-	20	-	-
5.	Chikkaballapur	15	5	Sep-Oct	Grain filling stage	CP818, Pioneer	40	20	20	-	10	-	30
6.	Mandya	20	10	Sep-Oct	Knee high and Grain filling stage	Ganga Cauvery	65	30	25	40	70	-	20

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Note:- TLB- Turcicum leaf blight, MLB- Maydis leaf blight, CLS- Curvularia leaf spot, SDM- Sorghum Downey mildew,
 P. Rust-Polysora rust, BLSB- Banded leaf and sheath blight, PFSR-Post flowering stalk rot

Extensive surveys were conducted under survey and surveillance programme in maize growing areas of Southern Karnataka (Shimoga, Hassan, Mysore, Bangalore rural, Chikkabalapura and Mandya districts).

A survey was carried out in the months of September-October during *Kharif* 2017 in different parts and directions to know the prevalence of diseases and their intensity in Southern Karnataka. The information was recorded in 53 fields from 6 different places of about 120 acres coverage.

- During the survey the major diseases like SDM, TLB, MLB, CLS, P. Rust, BLSB and PFSR were noticed.
- During this year, due to late rains, plantings in almost all the districts, was done in the months of August-September.
- During survey, we noticed the crop stage was Knee high to Grain filling stage.
- Moderate to Severe intensity of TLB was recorded in almost all the field surveyed. Maximum disease incidence noticed in Hassan district (80%) followed by Shimoga (70%) and Mandya (65%) districts.
- Only in Mandya and Bangalore rural districts, the incidence of SDM was found to be severe with incidence of 70% and 50% respectively while it was very low in other districts.
- Polysora rust remained to be severe in some pockets like Shimoga and Mandya districts.
- BLSB is gaining importance in some pockets like Shimoga and Davanagere districts. This disease was high in Shimoga (40%) district.
- Stalk rot incidence was moderate to severe in Mandya and Chikkabalapura districts.
- Other foliar disease namely MLB and CLS were of minor importance.

Table 38. Survey and surveillance of maize diseases in Gujarat during *Kharif* 2017 (Godhra)

S. No.	Locations	Date	No. of field surveyed	Grain filling stage	Foliar diseases (Disease Score and Intensity)								Date of disease appearance (MMRS, Godhra)	Period of rapid spread (MMRS, Godhra)
					MLB (1-9)	MLB (PDI)	TLB (1-9)	TLB (PDI)	CLS (1-9)	CLS (PDI)	BLSB (1-9)	BLSB (PDI)		
1.	Godhra	01.09.17	15	Yes	4	44.4	3	33.3	4	44.4	4	44.4	MLB :13.08.17	1. MLB :30.08.17

2.	Khanpur	02.09.17	18	Yes	4	44.4	4	44.4	4	44.4	4	44.4	TLB :15.08.17 CLS :20.08.17 BLSB :19.08.17 to 01.10.17 2. TLB :30.08.17 to 30.09.17 3. CLS :30.08.17 to 30.09.17 4. BLSB : 04.09.17 to 05. 10.17
3.	Santrampur	11.09.17	14	Yes	5	55.5	4	44.4	4	44.4	5	55.5	
4.	Dahod	16.09.17	16	Yes	5	55.5	4	44.4	5	55.5	4	44.4	
5.	Garbada	20.09.17	12	Yes	1	11.1	2	22.2	3	33.3	1	11.1	
6.	Chhotaudipur	21.09.17	16	Yes	4	44.4	4	44.4	4	44.4	4	44.4	
7.	Pavijetpur	22.09.17	17	Yes	3	33.3	3	33.3	5	55.5	4	44.4	
8.	Amirgadh	22.09.17	15	Yes	3	33.3	1	11.1	3	33.3	2	22.2	
9.	Khedbrahma	26.09.17	13	Yes	4	44.4	3	33.3	4	44.4	4	44.4	
10.	Bhiloda	26.09.17	12	Yes	3	33.3	4	44.4	4	44.4	4	44.4	
11.	Virpur	26.09.17	15	Yes	3	33.3	3	33.3	3	33.3	4	44.4	
12.	Sonpur	29.09.17	16	Yes	3	33.3	4	44.4	3	33.3	4	44.4	
13.	Idar	29.09.17	14	Yes	5	55.5	4	44.4	4	44.4	3	33.3	
14.	Datta	30.09.17	15	Yes	1	11.1	5	55.5	3	33.3	2	22.2	
15.	Ambaji	30.09.17	18	Yes	3	33.3	4	44.4	4	44.4	3	33.3	
16.	Palanpur	01.10.17	15	Yes	2	22.2	2	22.2	3	33.3	2	22.2	
17.	Lunavada	01.10.17	16	Yes	4	44.4	5	55.5	4	44.4	3	33.3	
18.	Modasa	02.10.17	13	Yes	2	22.2	3	33.3	1	11.1	2	22.2	

MLB = Maydis leaf blight

TLB = Turcicum leaf blight

BLSB = Banded leaf and sheath blight

CLS = Curvularia leaf spot

PDI :- Percent Disease Index

The maize disease survey was done in 18 locations. The details are given in above Table. Total 270 maize fields were surveyed to take observations of intensity of MLB, TLB, CLS and BLSB diseases at grain filling stage. The highest intensity of diseases MLB, TLB, CLS and BLSB occurred at Santrampur, Dahod, Chhotaudipur, Idar and Lunavada whereas the lowest intensity of MLB, TLB, CLS and BLSB diseases were found at Garbada, Amirgadh, Palanpur and Modasa locations.

Table 39. Survey and surveillance of maize diseases in Southern Rajasthan during *Kharif* 2017 (Udaipur)

S. No.	Place	Date	No. of field surveyed	Crop variety	Disease Intensity/Severity											
					Foliar diseases								PFSR/ SMUT			
					RDM (%)	MLB (1-9)	TLB (1-9)	BSDM (1-9)	BLSB (1-9)	CLS (1-9)	BS (1-9)	Other (1-9)	PFSR (1-9)	CSR (1-9)	LW (1-9)	Head smut
1.	Bhujda	11.09.17	6	Maize Local	15.0	3.0	-	3.0	-	1.0	1.5	-	-	-	-	-
2.	Changeri	11.09.17	13	Maize Local (Yellow/white)	10.0	3.0	-	3.5	1.0	3.0	1.5	Flag smut M	M.	-	-	-
3.	Kharwa chanda	17.08.17	4	Maize Local	15.0	2.0	-	-	-	1.5	2.0	-	-	-	-	-
4.	Sisarma	17.08.17	3	Maize Local	25.0	2.0	-	-	-	2.5	1.5	-	M	-	-	-
5.	Mavli	11.09.17	4	Maize Local (Yellow/white)	-	2.5	-	-	-	2.0	2.0	-	M	-	-	-
6.	Undri	16.09.17	5	DHM-117	0.0	1.0	-	-	-	1.5	1.0	-	M	-	-	-
7.	Dabok	04.09.17	6	Maize Local	-	2.0	1.0	-	-	2.5	2.0	-	T - M	-	-	-
8.	Kaladwas	17.08.17	4	Sweet Corn	10.0	2.5	-	-	-	2.0	1.0	-	-	-	-	-
9.	Mangalwar	04.09.17	5	Maize Local	-	1.5	-	-	2.0	1.5	2.0	Flag smut M	-	-	-	-
10.	Bheel khera	14.09.17	4	Maize Local (Yellow/white)	30.0	1.0	1.5	20.0	2.5	1.5	1.5	-	-	-	-	-
11.	Kavita	07.09.17	3	Maize Local	25.0	2.0	-	-	1.0	1.0	1.0	-	S	-	-	-
12.	Iswal	07.09.17	4	Maize Local	20.0	2.0	1.0	25.0	1.5	1.5	0.5	-	S	--	-	-
13.	Pindwara	16.09.17	8	Sathi Local	-	4.5	-	6.0	-	5.0	2.5	C.Rust	M.	-	-	-

14.	Jetpura	16.09.17	7	Ujjawal Private Company	-	4.0	-	6.0	-	5.0	4.5	C.Rust	M	-	-	-
15.	Ambaji	23.09.17	15	Gujarati Local and Sweet Corn	-	6.0	-	6.5	-	4.0	2.5	C.Rust	M	-	-	-
16.	Gogunda	23.05.17	10	Local	-	5.0	-	5.5	-	4.0	2.0	C.Rust	S	-	-	-
17.	Phalasia	18.09.17	12	Local	-	3.5	-	3.5	-	4.0	2.5	CS	-	-	-	-
18.	Jhadol	18.09.17	8	Local	-	3.5	-	3.0	-	4.5	3.5	CS	S	-	-	6.0

RDM- Rajasthan Downy Mildew, PFSR- Post Flowering Stalk Rot, MLB- Maydis Leaf Blight, CLS- Curvularia Leaf Spot,
BS- Brown Spot, BLSB- Banded Leaf & Sheath Blight, HS- Head Smut
T- Traces, M- Moderate, S- Severe.

Table 40. Survey and surveillance of maize diseases in Haryana during *Kharif* 2017 (Karnal)

S. No.	Districts	Crop stage	MLB	BLSB	CLS
1.	Panchkula	Tesseling	Moderate to High	Moderate	Low
2.	Ambala	Cob formation	Moderate	Traces	Traces
3.	Yamunanagar	Grain filling	Moderate to High	Traces	Low
4.	Kurukshetra	Cob formation	Moderate	Moderate	Low
5.	Karnal	Grain filling	Moderate to High	Traces to Moderate	Traces to low

Table 41. Survey and surveillance of maize diseases in West Bengal during *Kharif* 2017 (Kalyani)

S. No.	Place/District	Crop Stage	Variety	MLB (1-9)	Reaction	TLB (1-9)	Reaction
1.	Shekhampur/ Birbhum	Hard Dough stage		6.07	MS	5.06	MR
2.	Birbhum	Hard dough stage		5.46	MS	4.21	MR

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3.	Garkata/ Bankura	Maturity		5.66	MS	5.86	MS
4.	Sampur/ Bankura	Tasselling stage		1.6	R	1.97	R
5.	Manjua/ Bankura	Tasselling stage	K-25	1.2	R	1.2	R

Table 42. Survey and surveillance of maize diseases in Telangana during *Kharif* 2017 (Hyderabad)

S. No.	Week/Month	Crop stage	Disease observed	Disease intensity
1.	July	Vegetative stage	Downy mildew, TLB	M
2.	August	Flowering	Downy mildew, TLB, CLS	T
3.	September	Flowering	Stalk rots	M
4.	October	Flowering	Stalk rots	M
5.		Grain hardening	Stalk rots	M

Table 43. Efficacy of newer fungicides on incidence of Turcicum leaf blight at Dharwad

Treatment		Dosage (%)	PDI	Disease control (%)	Yield (q/ha)	Yield Increase (%)
T ₁	Difenconazole 25 EC	0.10	33.21 (35.26)	57.19	62.55	28.54
T ₂	Propiconazole 25 EC	0.10	34.75 (36.32)	55.20	61.33	26.03
T ₃	Tebuconazole 250 EC	0.10	26.33 (30.85)	66.06	63.56	30.62
T ₄	Hexaconazole 5 EC	0.10	50.87 (45.48)	34.42	51.83	6.51
T ₅	Azoxystrobin 18.2% + Difenconazole 11.4%	0.10	25.10 (29.96)	67.64	65.73	35.08
T ₆	Pyraclostrobin 20% WG	0.10	44.64 (41.38)	42.45	56.23	15.55
T ₇	Fluxapyroxad 167 g/l + Pyraclostrobin 333 g/l 500 SC	0.20	28.34 (32.14)	63.46	63.81	31.13
T ₈	Trifloxystrobin 25% + Tebuconazole 50%	0.05	24.17 (29.42)	68.84	68.55	40.87
T ₉	Untreated Control (Water spray)	-	77.58 (61.75)	-	48.66	-
SEm±			1.17		1.12	
CD(P=0.05)			3.49		3.29	
CV (%)			6.34		18.23	

Conclusion:- Foliar application of Trifloxystrobin 25% + Tebuconazole 50% @ 0.1% found significantly superior with respect to disease control and yield. Trifloxystrobin 25% + Tebuconazole 50% recorded 68.84% TLB disease control efficacy and resulted in 40.87% increase in yield over untreated control. The next best fungicides were Azoxystrobin 18.23% + Difenconazole 11.4% and Tebuconazole 250 EC.

Table 44. Efficacy of bio-agents and fungicides in control of RDM at Udaipur

Treatments		Incidence (%)	Disease control (%)	Grain yield	
				(q/ha)	Increase (%)
T ₁	<i>Bacillus amyloliquefaciens</i> @10g/kg as seed treatment, bioagent-fortified FYM (1:50) and spray @ 1.0%	33.0	48.0	44.5	55.83
T ₂	TH-3 @ 0.5% as seed treatment, bioagent-fortified FYM (1:50) and spray @ 0.5%	22.0	52.0	45.5	54.15
T ₃	TV-3 (<i>Trichoderma viride</i>) @ 0.5% as seed treatment, bioagent-fortified FYM (1:50) and spray @ 0.5%	23.0	63.0	44.8	78.37
T ₄	Fosetyl-al @ 0.2% seed treatment and spray @ 0.2%	10.0	65.0	49.6	87.16
T ₅	Azoxystrobin @ 0.2% Amistar seed treatment and spray @ 0.15%	8.0	72.0	48.0	91.0
T ₆	Metalaxyl+Mancozeb @ 0.25% seed treatment and spray @ 0.25%	8.0	70.0	48.2	94.20
T ₇	Metalaxyl @ 0.25% seed treatment and spray @ 0.25%	12.0	66	44.9	81.52
T ₈	Untreated check (water spray)	72.0	-	22.5	-
SEM+		0.29	0.36	1.66	0.95
CD (0.05)		0.85	1.06	4.89	2.82
CV (%)		2.11	1.33	7.65	4.79

Test Hybrid:- Pratap Makka-3

Note:- Incubated bio-agent fortified FYM under moist condition for 20 days before sowing of experiment.
All the plants in the trial were artificially inoculated by tooth pick inoculation technique.

Table 45. Effect of bio-extracts/ natural products on the incidence of MLB at Delhi

Treatment		Disease score	PDI	Disease control (%)	Grain yield	
					Q/ha	Increase (%)
T1	<i>Azadiracta indica</i> (Neem) leaves @ 10%	8.5	94	5.6	35.6	57.1
T2	<i>Datura stramonium</i> (Datura) @ 10%	8.5	94	5.6	22.2	31.5
T3	<i>Calotropis sp.</i> (Madar) @ 10%	8.5	94	5.6	21.7	29.9
T4	<i>Allium sativum</i> (garlic) bulb @ 10%	8.5	94	5.6	21.8	30.2
T5	<i>Eucalyptus sp.</i> @ 10%	9.0	100	0.0	19.9	23.2
T6	<i>Polyalthia longifolia</i> (False Ashoka) @ 10%	8.5	94	5.6	21.3	28.6
T7	<i>Ocimum sanctum</i> (Tulsi) @ 10%	8.5	94	5.6	19.8	23.2
T8	<i>Parthenium hysterophorus</i> @ 10%	8.5	94	5.6	23.0	33.6
T9	Cow urine @ 50%	7.5	83	16.7	20.1	24.1
T10	<i>Lantana camara</i> @ 10%	9.0	100	0.0	20.6	26.0
T11	Fungicidal check I (Mancozeb)	8.0	89	11.1	29.2	47.9
T12	Check II (water spray)	9.0	100	-	15.2	-
C.D.		N/A	N/A		3.5	
SE(m)		0.417	4.638		1.1	
SE(d)		0.590	6.559		1.5	
C.V.		6.945	6.945		6.9	

Variety: CM 600

*T3 and T5: Plant species were not available

Conclusion:-There was no significant effect of any of the ten bio-extracts tested in restricting the Maydis leaf blight disease as compared to unsprayed (plain water spray only) control. However, among the bio-extracts, significantly higher grain yield was obtained in the treatment of neem (35.5 q/ha) followed by parthenium (22.95 q/ha) and datura (22.22 q/ha), whereas least was recorded in control (15.23 q/ha).

Table 46. Effect of bio-extracts/ natural products on the incidence of MLB at Karnal

Treatments		PDI*	Disease Control (%)	Yield (q/ha)	Yield Increase (%)
T1	<i>Azadirachta indica</i> (neem) leaves @ 10%	52.9 (46.68)	39.0	6.53	25.3
T2	<i>Datura stramonium</i> (Datura) @ 10%	53.6 (47.06)	38.2	6.21	19.2
T3	<i>Calotropis sp.</i> (AK, Madar) @ 10%	56.8 (48.90)	34.5	5.91	13.4
T4	<i>Allium sativum</i> (garlic) bulb @ 10%	47.6 (43.63)	45.1	6.90	32.4
T5	<i>Eucalyptus sp.</i> @ 10%	63.6 (52.87)	26.6	5.75	10.4
T6	<i>Polyalthia longifolia</i> (False Ashoka) @ 10%	63.2 (52.61)	27.1	5.94	14.0
T7	<i>Ocimum sanctum</i> (Tulsi) @ 10%	61.9 (51.80)	28.6	6.05	16.1
T8	<i>Parthenium hysterophours</i> @ 10%	63.6 (52.87)	26.6	5.82	11.7
T9	Cow urine @ 50%	55.9 (48.39)	35.5	6.10	17.0
T10	<i>Lantana camara</i> @ 10%	64.3 (53.32)	25.8	5.70	9.4
T11	Fungicidal check I	46.7 (43.12)	46.1	7.52	44.3
T12	Check II (water spray)	86.7 (68.65)	-	5.21	-
CD 0.05		3.1		0.62	
CV%		6.73		6.21	

*Figure in parentheses are angular transformed values

Conclusion:- Amongst ten treatments on efficacy of bioextracts/ natural products on incidence of MLB disease of maize, *Allium sativum* (garlic) bulb @ 10% has provided 45.1 percent disease control and there was increase in 32.4 percent grain yield as compare to check and it was followed by *Azadirachta indica* (neem) leaves @ 10% and *Datura stramonium* (Datura) @ 10% and these three treatments were superior over other treatments to manage MLB disease of maize.

Table 47. Effect of bio-extracts/ natural products on the incidence of MLB at Kalyani

Treatments		Disease Score	PDI	Disease control	Grain yield Q/ ha	Yield Increase (%)
1	T1 - <i>Azadirachta indica</i> leaves @ 10%	4.0	44.1	41.27	20	32.45
2	T2 - <i>Pongamia pinnata</i> (Kranj) @ 10% extract	4.1	45.8	39.01	16.7	10.59
3	T3 - <i>Calotropis</i> sp. @ 10%	4.1	45	40.07	16	5.96
4	T4 - <i>Datura stramonium</i> (Datura) @ 10%	2.8	31.1	58.58	22.5	49
5	T5 - <i>Parthenium hysterophorus</i> @ 10%	4.7	51.9	30.89	19.1	26.49
6	T6 - <i>Lantana camara</i>	4.3	47.3	37.01	16.8	11.25
7	T7 - <i>Polyalthia longifolia</i> (false Ashoka)@ 10%	4.1	45.4	39.54	16.1	6.62
8	T8 - <i>Ocimum sanctum</i> (Tulsi) @ 10%	3.9	43.1	42.6	17.9	18.54
	T9 - <i>Allium sativum</i> (garlic) bulb @ 10%	2.6	28.9	61.51	25	65.56
	T10 - Cow urine @ 50%	2.9	32.1	57.25	23.2	53.64
	T11 - Hexaconazole (recommended dose)	3.5	38.7	48.46	18	19.2
	Water	6.8	75.1	0	15.1	0
S.Em (+)			7.36		2.84	
CD (5%)			15.27		5.88	

Test Hybrid - Pan 6010

Conclusion:- Among 12 treatments minimum disease (PDI=28.9) was found with max. disease control (61.51%) & yield (25q/ha) in case of application of 10% extract of garlic bulb followed by application of 10% leaf extract of *Datura stramonium* (PDI=31.1; disease control=58.58% & yield= 22.5 q/ha) and application of 50% cow urine (PDI= 32.1; disease control=57.25% & yield= 23.2q/ha) with no significant difference among them.

Table 48. Efficacy of leaf stripping on severity of BLSB at Karnal

Entries	PDI		Disease control (%)	Av. Grain yield (q/ha)		Increase Over control (%)
	Unstripped	Stripped		Stripped	Unstripped	
HM-4	56.4	41.7	26.1	61.8	51.5	16.7
HM-5	60.5	46.2	23.6	67.6	56.8	16.0
HM-6	52.7	40.7	22.7	56.0	48.4	13.6
HQPM-1	65.3	50.4	22.8	63.2	52.9	16.3
HQPM-4	65.6	53.8	17.9	67.6	56.4	16.6
HQPM-5	61.5	52.5	14.6	63.2	49.5	21.7
HQPM-7	48.9	41.7	14.7	63.8	57.7	9.6
HQPM-11	43.2	37.6	12.9	64.9	58.9	9.2
HQPM-12	37.8	32.5	14.0	67.1	60.1	10.4

Conclusion:- Nine commonly grown hybrids were evaluated by leaf stripping method to compare the incidence of BLSB disease of maize in *Kharif*, 2017 at Karnal. HM 4 was best in BLSB disease control up to 26.1 percent while there was increase in 21.7 percent grain yield was observed in HQPM 5 maize hybrid as compare to other ones. Minimum disease control (12.9%) was observed in HQPM 11 along with least increase in grain yield of 9.2 percent in unstripped plot of this hybrid.

Table 49. Efficacy of leaf stripping on severity of BLSB at Ludhiana

S. No.	Entries	Disease Index (%)		Disease control (%)	1000-grain weight* (g)		Dried grain weight* (g/plot)		Average yield (q/ha)		Yield increase (%)
		Unstripped	Stripped		Unstripped	Stripped	Unstripped	Stripped	Unstripped	Stripped	
1	Buland	63.5	40.5	36.22	265.81	293.5	5355.29	5790.78	74.38	80.43	8.13
2	PMH 5	73.33	42.33	42.27	233.22	261.1	2274.94	2883.65	31.6	40.05	26.76
3	PMH 4	79.75	45.65	42.76	260.01	301.22	3483.82	4174.68	48.39	57.98	19.83
4	PMH 1	59.83	30.67	48.75	339.87	358.68	5975.29	6672.24	82.99	92.67	11.66
5	Punjab Sweet corn-I	63.33	32.67	48.42	149.41	163.43	1398.82	2032.65	19.43	28.23	45.31

Factor	Factor levels	Disease severity [Leaf stripping X Hybrids]				1000 grain weight [Leaf stripping X Hybrids]				Grain yield [Leaf stripping X Hybrids]			
		Factor level means	SEM	p-value	Whether significant or not	Factor level means	SEM	p-value	Whether significant or not	Factor level means	SEM	p-value	Whether significant or not
Leaf stripping	Stripped leaves	67.95 ¹	1.11	<0.001	Yes	275.59 ¹	2.39	<0.001	Yes	4510.80 ¹	84.27	<0.001	Yes
	Unstripped leaves	38.63 ²				249.66 ²				3877.64 ²			
Hybrids	Buland	52.00 ^{ab}	1.76	<0.001	Yes	279.65 ^a	3.78	<0.001	Yes	5573.03 ^a	133.235	<0.001	Yes
	PMH-5	57.83 ^d				247.16 ^b				2579.29 ^b			
	PMH-4	62.70 ^a				280.62 ^a				3829.25 ^c			
	PMH-1	45.25 ^{ab}				349.28 ^c				7873.76 ^d			
	Punjab Sweet Corn-1	48.00 ^a				156.42 ^d				1715.74 ^c			
No interaction was computed between leaf stripping and hybrids *Values within experiments followed by the same letter are not significantly different at P = 0.05						No interaction was computed between leaf stripping and hybrids				No interaction was computed between leaf stripping and hybrids			

Conclusion:- Five treatments consisting of four hybrids and one composite used in this experiment were found significantly different with each other but there was no statistically significant interaction between treatments and two factors (Leaf stripping and unstripping). Disease severity was found maximum in unstripped treatment of PMH 4 closely followed by PMH 5. However, with leaf stripping treatment disease control was achieved to the tune of 42% in both PMH 4 and PMH 5. Per cent disease control with leaf stripping varied from 36.22% to 48.75%, being maximum in PMH 1 and minimum in Buland hybrid.

Table 50. Efficacy of leaf stripping on severity of BLSB at Pantnagar

Variety	PDI		Disease Control (%)	Yield (q/ha)		Yield Increase (%)
	Unstripped	stripped		Unstripped	stripped	
Amar	97.22	75.56	22.29	31.80	41.25	29.72
Kanchan	100.00	66.67	33.33	37.20	45.00	20.97
Gaurav	100.00	66.67	33.33	39.75	50.70	27.55
PSM 3	100.00	69.44	30.56	35.70	46.05	28.99
CM 600	97.22	75.00	22.86	28.80	37.50	30.21
SEM	a	2.06	-	a	1.36	-
	b	1.30		b	0.86	
	a × b	2.92		a × b	1.93	
CD (0.5)	a	5.99	-	a	3.96	-
	b	3.79		b	2.50	
	a × b	8.46		a × b	5.60	
CV %		6.88	-	9.80		-

Conclusion:- Stripping of lower leaves was found effective in minimizing the disease and increasing the yield.

Table 51. Efficacy of leaf stripping on severity of BLSB at Godhra

Entries	PDI		Disease control (%)	Grain yield (q/ha)	Increase over control (%)
	Unstripped	Stripped			
GM-2	38.89 (32.98)	27.78 (25.89)	28.57	35.36	22.44
GM-4	27.78 (23.17)	16.67 (15.45)	40.00	40.65	20.80
GM-6	50.00 (45.70)	27.78 (25.89)	44.44	33.53	28.22
GAYMH-1	44.44 (42.63)	20.00 (15.98)	55.00	37.45	22.63
GAWMH-2	38.89 (35.86)	22.22 (21.78)	42.86	39.95	21.13
S. Em±	2.56	1.65	-	4.29	-
C. D (0.05%)	7.87	5.78	-	8.86	-
C.V %	4.56	3.46	-	7.93	-

*Four rows of each variety.

Note:- Figures in parenthesis are angular transformed values

Conclusion:- The *Kharif* 2017 results revealed that all the stripped plants were found significantly superior over unstripped. Among the stripped plant with hybrid variety GM-4 was found best in checking banded leaf and sheath blight (BLSB) disease severity (16.67%) resulted in the highest grain (40.65 q/ha) with 20.80% yield increase over unstripped.

Table 52. Efficacy of salicylic acid (SA) in control of MLB at Karnal

Treatments		PDI*	Disease Control (%)	Yield (q/ha)	Yield Increase (%)
T1	50 ppm SA* as seed priming (SP)	66.4 (54.60) **	9.16	5.8	11.5
T2	100 ppm SA (SP and foliar spray after 24hrs after inoculation)	53.5 (47.03)	26.8	6.5	25.0
T3	150 ppm SA (foliar spray 24hrs before inoculation).	56.1 (48.52)	23.3	6.3	21.2
T4	200 ppm SA (foliar spray 24hrs before inoculation).	60.9 (51.32)	16.7	6.1	17.3
T5	Check (Seed dip in water & spray)	73.1 (58.77)	-	5.2	-
CD 0.05		2.51		0.54	
CV%		5.8		5.48	

*Test Variety Name: HKI 1105

**Figure in parentheses are angular transformed values

Conclusion:- Amongst four treatments on efficacy of salicylic acid (SA) on incidence of MLB disease of maize, Salicylic acid @ 100 ppm (SP and foliar spray after 24hrs after inoculation) has provided 26.8 percent disease control and there was increase in 25.0 percent grain yield as compare to check and also found superior when compare to other treatments to manage MLB disease of maize.

Table 53. Efficacy of salicylic acid (SA) in control of MLB at Ludhiana

Treatment		PDI* (%)	Dried grain yield* (g/plot)	Average yield (q/ha)	1000 grain weight (g)	Yield increase (%)
1.	Salicylic acid (SA) @ 100 mg/litre as seed priming (SP)	66.67 ^b	2710.53 ^{ab}	37.65	153.19 ^{ab}	34.55
2.	Salicylic acid (SA) @ 150 mg/litre as SP	69.15 ^a	2382.55 ^{ad}	33.09	147.43 ^{ab}	18.27
3.	Salicylic acid (SA) @ 50 mg/litre as SP	65.38 ^b	2860.71 ^{ab}	39.73	155.22 ^{ab}	42.00
4.	SA @ 100 ppm SP + 100 ppm foliar spray	60.83 ^{bc}	2656.00 ^{ab}	36.89	151.02 ^{ab}	31.84
5.	SA @ 50 ppm SP + 50 ppm foliar spray	57.92 ^c	3239.63 ^b	44.99	161.21 ^b	60.81
6.	SA @ 150 ppm SP + 150 ppm foliar spray	64.17 ^b	2227.65 ^{cd}	30.94	136.02 ^a	10.58

7.	Check (inoculated, no SP and no foliar spray)	69.25 ^a	2014.71 ^c	27.98	134.34 ^a	-
8.	Control (No inoculation, only water spray)	45.50 ^d	2455.65 ^{ab}	34.11	149.58 ^{ab}	21.90

Test Variety:- Punjab Sweet corn I

*Values within experiments followed by the same letter are not significantly different at P = 0.05

* Mean of three replications.

Conclusion:- Among six treatments, Salicylic acid (SA) @ 50mg/litre as seed priming and foliar spray @ 50 mg/litre water recorded minimum severity of maydis leaf blight (57.92%) as compared to control treatment (69.25%) and thus recorded highest grain yield (44.9 q/ha) as compared to 27.9 q/ha in control. All the treatments were significantly superior over control.

Table 54. Efficacy of salicylic acid (SA) in control of TLB at Kalyani

Treatments	Germination (%)	PDI (%)	Disease control (%)	Grain yield	
				Kg/ha	Increase (%)
T1 - 50 ppm Salicylic acid (SA) as seed priming (SP)	91.3	67.2	19.61	3719	31.22
T2 - 100 ppm (SA) as SP	95.8	66.9	19.97	4010.3	41.5
T3 - 150 ppm SA as SP	92.1	66.3	20.69	4063	43.36
T4 - 50 ppm SA as SP + 50 ppm SA foliar spray(FS) (48hrs before inoculation)	94.2	66.9	19.97	3819.3	34.76
T5 - 100ppm SA as SP + 100 ppm SA as foliar spray (48hrs before inoculation	90.8	61.4	26.55	4229.6	49.24
T6 - 150ppm SA as SP + 150 ppm SA as foliar spray (48hrs before inoculation	92.6	54.2	35.16	4495.5	58.62
T7 - Check (inoculation + no SP + No FS)	98.6	83.6	0	2834	0
T8 - Check (no inoculation + no SP + no FS	98.6	72.1	13.75	3843.1	35.6
S.Em (+)	6.08	7.10		411.32	
CD (5%)	13.05	15.24		882.19	
CV (%)	7.9	12.9		13.0	

Test hybrid:- Kaveri-50

Conclusion:- Minimum PDI (54.2) was observed in case of application of 150ppm SA as seed priming + 150ppm SA as foliar spray 48hr before inoculation with highest yield (4495.5 kg/ha) but there is no significant difference among the performances of all six treatments with SA.

Table 55. Efficacy of salicylic acid (SA) in control of TLB at Dharwad

Treatment		Germination (%)	PDI (%)	Disease control (%)	Grain yield	
					(q/ha)	Increase (%)
T ₁	50 ppm SA* as seed priming (SP)	89.53 (71.09)	67.42 (55.18)	13.92	54.70	3.48
T ₂	100 ppm SA (SP and foliar spray after 24hrs after inoculation)	87.82 (69.56)	56.98 (49.02)	27.26	55.18	4.38
T ₃	150 ppm SA (foliar spray 24hrs before inoculation)	93.72 (75.46)	60.74 (51.18)	22.45	56.33	6.56
T ₄	200 ppm SA (foliar spray 24hrs before inoculation)	94.8 (75.58)	52.66 (46.55)	32.77	56.83	7.51
T ₅	Check (Seed dip in water & spray)	93.36 (75.11)	78.33 (62.24)	-	52.86	-
	S.Em±	1.0	1.16		1.09	
	CD(0.05)	3.0	3.52		3.32	
	CV (%)	4.7	5.47		14.66	

Figures in parenthesis are Arc sine transformed values.

Test hybrid:- PHI 3501

Conclusion:- Salicylic Acid (SA) foliar spray @ 200 ppm 24hrs before inoculation found effective in TLB disease control efficacy (32.77%) and resulted in 7.51% increase in grain yield.

Table 56. Efficacy of salicylic acid (SA) in control of BLSB and BSR at Dhaulakuan

Treatments		Germination (%)	BLSB PDI*	BLSB Control (%)	BSR (%)	BSR Control (%)	Grain yield	
							(q/ha)	Increase (%)
T ₁	50 ppm SA* as seed priming (SP)	85.00 (67.47)	45.94 (42.65)	36.49	16.33 (23.72)	36.75	24.75	14.03
T ₂	100ppm(SP)	89.50 (71.32)	45.56 (42.42)	37.21	14.77 (22.48)	42.79	23.87	9.9
T ₃	150 ppm(SP)	87.50 (69.36)	49.72 (44.82)	31.48	12.33 (20.56)	52.24	25.92	19.41
T ₄	50ppm (SP) + 50 ppm foliar spray (48hrs before inoculation)	85.00 (67.47)	28.94 (32.51)	60.11	11.84 (20.04)	54.14	26.37	21.48
T ₅	100ppm (SP) + 100 ppm foliar spray (48 hrs before inoculation)	85.75 (67.88)	26.03 (30.65)	64.12	10.88 (19.20)	57.86	26.75	23.24
T ₆	150ppm (SP) + 150 ppm foliar spray (48 hrs before inoculation)	90.25 (72.00)	20.50 (26.89)	71.74	11.40 (19.69)	55.84	27.38	26.15
T ₇	Check (water spray)	89.75 (71.43)	61.69 (51.75)	14.98	19.36 (25.83)	25.01	23.74	9.38

T ₈	Check (inoculated, no SP & no foliar spray)	85.50 (67.76)	72.56 (58.41)	-	25.82 (30.51)	-	21.71	-
	SEM+	1.78	1.04		1.1		70.70	
	CD (0.05)	NS	3.07		3.3		1.48	
	CV (%)	5.2	5.1		9.84		4.99	

* Transformed values in parenthesis

Test variety:- EC

Conclusion:- An experiment was conducted to evaluate the efficacy of salicylic acid (SA) on incidence of BLSB and BSR in maize using variety early composite. The significantly less disease severity of BLSB (20.50 %) and BSR (11.40 %) as compared with the spray check (72.56 and 19.36%) resulting in more yield (26.15 %) as compared with the check plots.

Table 57. Efficacy of salicylic acid (SA) in control of BLSB at Karnal

Treatments		PDI*	Disease Control (%)	Yield (q/ha)	Yield Increase (%)
T1	50 ppm SA* as seed priming (SP)	53.1 (46.77) **	22.3	6.1	12.9
T2	100 ppm SA (SP and foliar spray after 24hrs after inoculation)	46.8 (43.16)	31.5	6.9	27.8
T3	150 ppm SA (foliar spray 24hrs before inoculation)	46.9 (43.22)	31.3	6.5	20.4
T4	200 ppm SA (foliar spray 24hrs before inoculation)	61.4 (51.6)	10.1	6.2	14.8
T5	Check (Seed dip in water & spray)	68.3 (55.7)	-	5.4	-
CD 0.05		4.34		0.62	
CV%		5.18		5.41	

**Figure in parentheses are angular transformed values

Test Variety:- HKI 1105

Conclusion:- Out of four treatments on efficacy of salicylic acid (SA) on incidence of BLSB disease of maize, salicylic acid @ 100 ppm (SP and foliar spray after 24hrs after inoculation) and 150 ppm (foliar spray 24hrs before inoculation) were better in BLSB disease control up to 31.5 percent and there was increase in 27.8 percent grain yield as compare to check and also found superior when compare to other two treatments to manage BLSB disease of maize.

Table 58. Efficacy of salicylic acid (SA) in control of BLSB at Pantnagar

Treatment	Germination (%)	PDI (%)	Disease control (%)	Grain Yield (q/ha)	Yield Increase (%)
Salicylic acid 50ppm as seed priming (SP)	58.33	87.41	10.61	36.00	-4.26
Salicylic acid 100ppm (SP)	55.67	77.78	20.45	42.80	13.83
150ppm (SP)	29.33	86.67	11.36	37.40	-0.53
Salicylic acid 50ppm (SP) + 50ppm foliar spray (48 hrs before inoculation)	57.00	85.19	12.88	43.20	14.89
Salicylic acid 100ppm (SP) + 100ppm foliar spray (48 hrs before inoculation)	56.33	86.67	11.36	45.80	21.81
Salicylic acid 150ppm (SP) + 150ppm foliar spray (48 hrs before inoculation)	37.33	88.89	9.09	40.20	6.91
Check (inoculated, no SP & no foliar spray)	58.67	97.78	0.00	37.60	0.00
Check-No inoculation (Water spray)	64.67	88.89	9.09	38.60	2.66
SEM	4.26	3.73		2.63	
CD (0.5)	12.93	11.31		7.98	
CV %	14.16	7.39		11.34	

Conclusion:- Seed priming by Salicylic acid 150 ppm hampered the seed germination significantly. Seed priming and foliar spray by Salicylic acid 100 ppm 48 hours before inoculation was found best.

Table 59. Efficacy of salicylic acid (SA) in control of BLSB at Godhra

Treatments		Germination (%)	PDI (%)	Disease control (%)	Grain yield	
					(q/ha)	Increase (%)
T ₁	50 ppm SA* as seed priming (SP)	98.22	31.48	60.47	37.53	11.83
T ₂	100 ppm SA (SP)	98.00	26.85	66.28	40.68	21.22
T ₃	150 ppm SA (SP)	97.33	27.78	65.12	42.88	27.77
T ₄	50 ppm SA (SP) + 50 ppm foliar spray (48 hrs before inoculation)	97.56	25.93	67.44	39.58	17.94
T ₅	100 ppm SA (SP) + 100 ppm foliar spray (48 hrs before inoculation)	96.44	19.44	75.58	41.54	23.78
T ₆	150 ppm SA (SP) + 150 ppm foliar spray (48 hrs before inoculation)	97.38	12.96	83.72	44.86	33.67

T ₇	Check (Inoculated, no seed priming & no foliar spray)	96.00	79.63	-	33.56	-
T ₈	Check : No inoculation (Water spray)	95.07	44.44	-	37.34	-
	S.Em±	0.59	1.45	-	1.89	-
	CD (0.05%)	1.42	3.36	-	16.32	-
	CV %	0.65	5.64	-	5.47	-

*Commercial grade of SA

Conclusion:- The *Kharif* 2017 results revealed that all the treatments were found significantly superior over control. Among the treatments 150 ppm SA (SP) + 150 ppm foliar spray (48 hrs before inoculation) was observed best in checking banded leaf and sheath blight (BLSB) disease severity (12.96%) resulted in the highest grain yield (44.86q/ha) with 33.67% increase over control.

Table 60. Efficacy of salicylic acid (SA) in control of PFSR (C.Rot) at Coimbatore

Treatments		Germination (%)	Disease score	Disease control (%)	Grain yield	
					(Q/ha)	Increase (%)
T1	50ppm as seed priming (SP)	100	3.00 ^b	50.0	35.41 ^f	6.96
T2	100ppm(SP)	100	1.60 ^{cd}	73.3	36.91 ^e	11.81
T3	150 ppm(SP)	100	1.83 ^c	69.4	36.84 ^e	11.60
T4	50ppm (SP) + 50 ppm foliar spray (48hrs before inoculation).	100	1.23 ^{cd}	79.4	39.74 ^c	20.38
T5	100ppm (SP) + 100 ppm foliar spray (48 hrs before inoculation)	100	1.10 ^d	81.7	40.43 ^d	22.41
T6	150ppm (SP) + 150 ppm foliar spray (48 hrs before inoculation)	100	1.40 ^{cd}	76.7	41.91 ^a	26.96
T7	Check (inoculated, no SP & no foliar spray)	100	5.97 ^a		33.01 ^g	
T8	Check- No inoculation (water spray)	100	1.00 ^d		38.96 ^d	18.02
	SEd		0.76		0.1151	
	CD (0.05)		1.631		0.2470	
	CV (%)		11.68		0.37	

Test Variety:- Susceptible inbred CM501

P-236

Conclusion:- The treatment 150ppm (SP) + 150 ppm foliar spray (48 hrs before inoculation) recorded maximum grain yield of 41.91 quintals with 26.96% increased yield when compared to other treatments. The disease score was found to be on par in 50,100 and 150ppm concentration of salicylic acid treatment.

Table 61. Efficacy of salicylic acid (SA) in control of PFSR (C.Rot) at Hyderabad

Treatments	Germination (%)	PDI (%)	Disease control (%)	Grain yield	
				(q/ha)	Increase (%)
50ppm as seed priming (SP)	99.75	36.93	23.87	7.28	25.54
100ppm(SP)	99.00	33.26	31.43	7.66	31.72
150 ppm(SP)	95.25	32.15	33.72	7.75	30.86
50ppm (SP)+50 ppm foliar spray (48hrs before inoculation)	99.75	33.32	31.31	7.75	30.86
100ppm (SP)+100 ppm foliar spray (48 hrs before inoculation)	98.00	34.52	28.83	8.26	34.38
150ppm (SP) + 150 ppm foliar spray (48 hrs before inoculation)	95.25	31.52	35.02	8.02	32.41
Check (inoculated, no SP & no foliar spray)	100	48.51	0	5.42	
Check-No inoculation (water spray)	100			8.52	

Test Variety:- DHM117

Conclusion:- A management trial was conducted at MRC, Hyderabad involving salicylic acid on maize PFSR management results indicated that out of all the treatments, T5 (100PPM SEED PRIMING + 100 PPM foliar spray at 48 hours before inoculation)treatment was found to be best among all with increased grain yield of 8.26q/ha against only 5.42q/h in control. The yield increases was 34.38% over control and offered disease control of 28.83%.

Meteorological Data of Kharif 2017

S. No.	Station Name	Month	Week	Temperature (°C)		Rainfall (mm/month)	Rain days	R. H. (%)		Sunshine (Hrs./ Day)	Evapo ration (mm)	Wind Speed	
				Min	Max			Min	Max				
1	Bajaura	April	-	9.7	28.8	87.4	10	35	93	7.9	-	-	
		May	-	12.7	30.4	81.0	15	40	92	7.2	-	-	
		June	-	16.3	30.0	122.3	12	53	92	6.1	-	-	
		July	-	21.2	30.4	142.6	18	65	90	5.1	-	-	
		August	-	20.5	30.5	72.6	16	61	91	5.6	-	-	
		September	-	16.2	29.7	83.6	6	53	91	-	-	-	
		October	-	8.7	29.2	0.0	0	34	91	-	-	-	
		November	-	2.6	23.1	11.4	4	41	91	-	-	-	
2	Barapani	June	-	18.3	27.9	475.9	18	77.8	89.4	-	-	-	
		July	-	20.4	28.4	381.2	20	74.0	88.9	-	-	-	
		August	-	20.6	28.0	752.7	28	76.3	90.5	-	-	-	
		September	-	20.2	27.9	348.4	19	76.5	88.9	-	-	-	
		October	-	16.9	26.7	254.1	13	71.6	87.2	-	-	-	
		November	-	11.3	24.8	20.8	3	54.1	84.6	-	-	-	
3	Dharwad	June	-	21.5	29.5	31.4	5	72.0	85.9	-	-	-	
		July	-	21.0	27.6	117.8	10	78.7	88.1	-	-	-	
		August	-	20.8	28.6	32.4	5	80.6	90.1	-	-	-	
		September	-	20.7	28.7	197.6	13	88.3	93.4	-	-	-	
		October	-	20.7	29.3	21.4	2	90.0	94.8	-	-	-	
		November	-	15.8	29.8	16.2	1	68.0	83.0	-	-	-	
		Total	-										
								36.0		416.8			
4	Dholi	June	-	26.4	34.2	30.2	2	70	96.4	-	-	-	
		July	-	26.1	32	476.8	12	77.6	97.3	-	-	-	
		August	-	26.2	32.4	328.6	10	81.1	98.2	-	-	-	
		September	-	26.3	33.4	91.8	3	74.7	99.2	-	-	-	
		October	-	23.2	32.8	29	1	76.4	98.8	-	-	-	
		November	-	14.2	28.9	-	-	74.5	99.6	-	-	-	
5	Hyderabad	June	-	23.2	33	213.4	12	58.1	85.3	5	5	-	
		July	-	22.2	30.8	158.4	12	63	84.9	4.9	4.9	-	
		August	-	22.1	29.6	171	12	68.8	89.6	4.3	4	-	
		September	-	21.7	30.6	143.2	9	67.8	93.8	5	3.6	-	
		October	-	20.1	30.9	370.4	8	56.4	96.2	5.9	3.2	-	
6	Ludhiana	May	-	25.1	38.5	31.6	-	50	27	-	-	-	
		June	-	28.2	36.7	127	-	64	42	-	-	-	
		July	-	27.5	34.6	112	-	79	60	-	-	-	
		August	-	26.7	33.9	131.4	-	82	66	-	-	-	
		September	-	23.9	33.7	24.4	-	87	56	-	-	-	
		October	-	18.5	33.3	0	-	88	38	-	-	-	
7	Mandya	June	-	19.5	32.1	10.5	-	81.5	90.4	4.4	-	-	
		July	-	20	31.5	21.2	-	87	91.9	4	-	-	
		August	-	19.7	31.1	206.3	-	92.7	93.1	3.5	-	-	
		September	-	19.4	31.2	216	-	70.6	92.9	4.9	-	-	
		October	-	20.4	30.5	79.9	-	75.2	94.3	4.2	-	-	
		November	-	18.1	29.9	36.7	-	74.6	91.6	5.8	-	-	
8	Godhra	June	23	26.9	38.2	26.4	1	70.7	-	6.7	9.8	7.1	

		24	25.6	36.8	62.3	2	72.2	-	9.1	6.7	3.5
		25	26.7	36.3	23	1	67	-	6.4	7.7	8.4
		26	25.7	34	7	2	78.5	-	3	4.3	5.5
	July	27	24.7	31.4	153	4	82.2	-	3.9	2.8	6.7
		28	24.8	31.9	34	3	81.5	-	3.1	3.3	6.1
		29	24.7	31.4	63.7	4	89.5	-	2.7	1.6	1.8
		30	23.3	26.1	340	7	92	-	0	0.5	7.8
		31	24.5	30.5	15	2	83.4	-	4	3.6	8.4
	August	32	24.7	32.3	0	-	81	-	2.3	4	6.5
		33	24.9	31.9	0	-	78.5	-	2.5	4.2	6
		34	25	31.5	19.3	3	85.5	-	0.5	1.9	3.4
		35	24.2	30.3	98	5	87.5	-	0.4	2.2	4.4
	September	36	24.5	31.1	19	2	82.4	-	3.7	3.4	1.4
		37	25	34	23	1	82.2	-	4	3.4	1.5
		38	24.5	32.2	3	1	81.8	-	6.2	3.6	2.5

9. Coimbatore

Months	Date	Temperature (°C)		R. H. (%)		Rainfall (mm)
		Min	Max	Min	Max	
August, 2017	8/1/2017	24.5	32.5	58	88	0.0
	8/2/2017	24.0	33.2	50	88	1.4
	8/3/2017	22.5	33.5	54	76	0.0
	8/4/2017	25.0	32.0	60	79	0.0
	8/5/2017	24.5	32.0	70	81	0.0
	8/6/2017	23.2	29.0	65	88	1.0
	8/7/2017	23.0	32.5	58	88	0.0
	8/8/2017	23.5	33.0	58	87	0.0
	8/9/2017	24.0	33.2	63	88	0.5
	8/10/2017	23.2	32.0	59	88	1.4
	8/11/2017	24.0	32.2	60	87	0.0
	8/12/2017	22.8	32.0	57	88	0.0
	8/13/2017	23.0	32.0	66	96	6.0
	8/14/2017	23.0	29.5	59	88	0.0
	8/15/2017	24.0	31.5	63	87	2.0
	8/16/2017	23.2	30.5	55	86	2.8
	8/17/2017	22.2	30.5	52	85	0.0
	8/18/2017	24.0	32.5	56	83	0.0
	8/19/2017	23.4	32.5	76	76	1.4
	8/20/2017	22.6	29.7	62	83	0.2
	8/21/2017	24.0	29.8	60	85	0.0
	8/22/2017	22.0	31.0	55	88	1.4
	8/23/2017	23.0	31.5	58	88	0.0
	8/24/2017	23.2	32.5	64	86	1.0
	8/25/2017	23.5	30.5	65	88	0.0
	8/26/2017	22.5	30.5	54	88	0.0
	8/27/2017	24.8	33.0	63	72	0.0
	8/28/2017	23.5	29.5	67	90	5.8
	8/29/2017	22.5	29.5	79	89	12.8
	8/30/2017	23.2	26.5	60	88	0.8
	8/31/2017	23.5	32.2	62	88	0.0
	Mean/Total	23.4	31.4	61	86	38.5
September, 2017	9/1/2017	24.0	31.5	55	88	0.0
	9/2/2017	21.5	33.2	65	88	27.0
	9/3/2017	22.2	31.2	57	95	54.2

	9/4/2017	23.5	31.5	65	90	0.0
	9/5/2017	23.0	32.5	62	88	19.2
	9/6/2017	23.5	30.5	62	88	0.6
	9/7/2017	23.7	31.2	53	90	0.5
	9/8/2017	23.0	33.0	62	86	1.2
	9/9/2017	22.6	32.2	81	85	38.0
	9/10/2017	24.0	27.7	60	93	0.0
	9/11/2017	24.5	31.5	65	85	1.8
	9/12/2017	24.5	30.5	62	87	0.4
	9/13/2017	24.5	31.0	60	87	0.0
	9/14/2017	23.5	31.5	64	85	6.2
	9/15/2017	23.5	30.0	58	83	0.0
	9/16/2017	24.0	31.0	65	84	0.0
	9/17/2017	22.0	30.5	91	98	25.0
	9/18/2017	22.0	24.5	84	86	28.0
	9/19/2017	23.5	27.5	59	80	2.0
	9/20/2017	22.5	29.5	61	86	1.2
	9/21/2017	21.5	30.0	58	80	0.0
	9/22/2017	22.5	30.5	61	88	0.0
	9/23/2017	23.0	31.0	60	90	0.0
	9/24/2017	23.6	32.4	64	91	0.0
	9/25/2017	23.0	32.0	68	90	1.6
	9/26/2017	23.5	29.5	75	88	0.0
	9/27/2017	23.5	31.0	70	90	7.2
	9/28/2017	23.0	29.5	62	88	0.0
	9/29/2017	23.2	29.5	61	88	4.0
	9/30/2017	22.0	29.8	65	88	0.0
	Mean/Total	23.1	30.6	65	88	218.1
October, 2017	10/1/2017	22.4	30.5	57	91	0.0
	10/2/2017	23.0	30.5	68	88	0.0
	10/3/2017	22.5	29.5	58	88	0.0
	10/4/2017	23.2	32.2	63	88	0.0
	10/5/2017	23.0	32.0	61	90	0.0
	10/6/2017	23.0	33.0	62	88	0.4
	10/7/2017	22.5	31.2	65	88	0.0
	10/8/2017	23.4	32.3	52	91	0.5
	10/9/2017	23.5	32.4	58	85	0.0
	10/10/2017	23.5	32.5	56	87	0.0
	10/11/2017	23.2	33.0	55	88	2.5
	10/12/2017	24.0	32.5	66	87	0.0
	10/13/2017	23.5	31.0	60	88	0.5
	10/14/2017	22.0	32.0	84	88	80.0
	10/15/2017	22.2	26.8	65	95	36.0
	10/16/2017	23.0	28.5	65	86	0.0
	10/17/2017	22.5	29.5	77	88	0.4
	10/18/2017	21.5	27.8	55	89	0.0
	10/19/2017	22.5	32.5	52	88	0.4
	10/20/2017	24.0	33.0	55	88	0.0
	10/21/2017	22.5	33.0	50	90	0.0
	10/22/2017	22.0	32.7	57	87	0.0
	10/23/2017	21.0	32.0	52	86	0.0
	10/24/2017	18.7	32.4	42	89	0.0
	10/25/2017	20.8	33.0	54	89	0.0

	10/26/2017	24.0	32.0	54	90	4.4
	10/27/2017	22.4	31.0	62	95	0.5
	10/28/2017	22.4	30.0	63	96	7.0
	10/29/2017	21.4	29.3	44	93	0.0
	10/30/2017	22.0	31.2	55	91	0.0
	10/31/2017	23.0	30.7	66	77	0.0
	Mean	22.5	31.3	59	89	4.3
November, 2017	11/1/2017	22.0	28.7	57	89	0.0
	11/2/2017	22.5	30.0	58	88	1.0
	11/3/2017	22.5	30.5	58	89	3.0
	11/4/2017	23.2	30.0	72	85	0.0
	11/5/2017	22.6	26.7	68	95	6.6
	11/6/2017	22.5	27.5	83	88	22.0
	11/7/2017	21.6	27.5	66	95	8.6
	11/8/2017	22.0	28.5	68	89	12.6
	11/9/2017	23.0	28.5	55	88	0.0
	11/10/2017	20.5	30.5	50	89	0.0
	11/11/2017	21.5	30.5	62	86	0.0
	11/12/2017	19.6	28.0	53	92	0.0
	11/13/2017	20.5	31.0	50	89	0.0
	11/14/2017	22.5	32.0	59	86	0.0
	11/15/2017	21.5	31.0	50	88	1.2
	11/16/2017	20.5	32.0	54	89	0.0
	11/17/2017	22.2	32.5	53	89	0.0
	11/18/2017	23.5	32.5	52	85	0.0
	11/19/2017	23.6	32.0	48	91	0.0
	11/20/2017	24.0	32.5	58	88	0.0
	11/21/2017	24.5	31.5	58	88	0.0
	11/22/2017	23.5	31.5	56	88	0.0
	11/23/2017	20.0	31.0	47	89	0.0
	11/24/2017	22.5	31.5	50	86	0.0
	11/25/2017	24.0	32.5	51	88	0.0
	11/26/2017	21.8	32.0	56	86	0.0
	11/27/2017	23.2	28.5	58	88	0.0
	11/28/2017	23.5	30.8	55	88	0.0
	11/29/2017	23.0	31.0	56	90	0.0
	11/30/2017	22.0	30.0	86	89	0.5
	Mean	22.3	30.4	58	89	2.0
10. Dhaulakuan Centre						
May 2017	5/1/2017	15.0	34.1	26	67	0.0
	5/2/2017	14.2	35.6	21	51	0.0
	5/3/2017	15.7	36.3	37	52	0.0
	5/4/2017	15.0	34.0	26	67	0.0
	5/5/2017	16.5	37.1	19	62	0.0
	5/6/2017	17.3	39.0	22	60	0.0
	5/7/2017	18.5	39.3	22	50	0.0
	5/8/2017	19.0	39.6	47	67	0.0
	5/9/2017	18.2	41.6	34	70	0.0
	5/10/2017	17.3	37.1	43	69	0.0
	5/11/2017	17.7	35.3	25	69	0.0
	5/12/2017	16.7	35.0	38	65	0.0
	5/13/2017	16.0	37.7	30	52	0.0

	5/14/2017	19.3	40.1	23	56	0.0
	5/15/2017	19.7	41.1	37	55	0.0
	5/16/2017	19.0	41.6	32	58	0.0
	5/17/2017	17.5	39.1	42	69	0.0
	5/18/2017	16.2	36.3	46	69	0.0
	5/19/2017	16.5	35.1	29	68	0.0
	5/20/2017	19.2	39.0	29	63	0.0
	5/21/2017	17.5	38.0	35	64	5.8
	5/22/2017	16.3	31.1	50	77	2.4
	5/23/2017	15.0	38.0	35	75	0.0
	5/24/2017	18.3	39.1	28	56	0.0
	5/25/2017	19.1	40.6	32	64	0.0
	5/26/2017	19.5	40.0	29	66	0.0
	5/27/2017	18.2	37.3	43	66	5.4
	5/28/2017	17.2	37.3	70	70	0.0
	5/29/2017	15.3	36.1	67	93	15.4
	5/30/2017	15.0	27.3	34	83	22.6
	5/31/2017	16.3	36.1	58	84	7.2
June 2017	6/1/2017	14.2	30.0	39	83	0.0
	6/2/2017	16.5	35.3	30	73	0.0
	6/3/2017	17.7	38.0	37	66	0.0
	6/4/2017	18.4	39.6	32	70	0.0
	6/5/2017	19.5	40.6	30	65	18.4
	6/6/2017	23.3	41.3	46	68	2.8
	6/7/2017	16.2	38.6	55	83	1.0
	6/8/2017	17.3	31.3	60	77	0.0
	6/9/2017	17.0	32.0	39	73	12.4
	6/10/2017	18.4	32.6	43	51	0.0
	6/11/2017	18.7	36.1	62	79	0.0
	6/12/2017	16.5	32.3	40	71	0.0
	6/13/2017	18.3	36.3	66	75	0.0
	6/14/2017	18.5	38.1	36	64	0.0
	6/15/2017	19.3	38.6	37	50	0.0
	6/16/2017	16.7	34.9	48	59	22.0
	6/17/2017	17.0	35.1	54	82	0.0
	6/18/2017	17.5	35.3	53	65	0.0
	6/19/2017	18.0	36.1	52	65	0.0
	6/20/2017	17.3	35.6	42	66	1.4
	6/21/2017	18.4	39.0	39	64	16.4
	6/22/2017	17.7	38.3	58	72	0.0
	6/23/2017	18.2	38.6	47	62	0.0
	6/24/2017	20.5	41.0	42	68	0.0
	6/25/2017	21.2	41.3	53	62	0.0
	6/26/2017	19.5	39.1	60	73	24.6
	6/27/2017	18.3	39.6	63	74	0.0
	6/28/2017	17.2	38.3	62	72	21.8
	6/29/2017	18.5	39.1	75	82	81.2
	6/30/2017	19.2	40.1	70	78	64.4
July, 2017	7/1/2017	19.7	40.6	54	67	9.0
	7/2/2017	20.3	40.0	52	67	0.0
	7/3/2017	21.2	41.3	60	71	0.0
	7/4/2017	18.7	39.1	61	69	0.0
	7/5/2017	18.4	37.3	55	62	0.0

	7/6/2017	17.5	36.1	58	65	9.4
	7/7/2017	17.3	34.3	51	61	0.0
	7/8/2017	16.7	33.1	57	68	3.0
	7/9/2017	17.3	35.3	63	83	0.0
	7/10/2017	17.5	36.1	66	86	0.0
	7/11/2017	18.3	39.1	70	80	0.0
	7/12/2017	17.5	32.3	80	92	22.4
	7/13/2017	18.0	33.1	621	91	34.2
	7/14/2017	20.3	33.6	70	87	19.0
	7/15/2017	20.0	30.1	52	65	0.0
	7/16/2017	19.5	30.6	70	84	0.0
	7/17/2017	22.0	33.1	84	92	18.0
	7/18/2017	22.5	32.3	60	68	15.2
	7/19/2017	23.0	34.1	57	80	0.0
	7/20/2017	23.4	37.3	68	92	0.0
	7/21/2017	24.0	35.1	72	66	0.0
	7/22/2017	23.0	32.1	70	93	132.6
	7/23/2017	22.1	33.6	63	91	10.4
	7/24/2017	22.5	33.1	70	81	0.0
	7/25/2017	20.0	33.3	72	83	0.0
	7/26/2017	21.3	31.6	62	95	16.8
	7/27/2017	20.6	30.3	78	83	0.0
	7/28/2017	21.0	32.3	64	87	0.0
	7/29/2017	21.5	32.9	67	92	8.4
	7/30/2017	20.3	31.3	72	90	3.4
	7/31/2017	18.0	30.5	80	93	30.4
August, 2017	8/1/2017	18.5	27.0	69	92	27.8
	8/2/2017	20.5	31.1	78	92	0.0
	8/3/2017	20.0	28.5	84	91	0.0
	8/4/2017	22.3	31.3	82	95	24.8
	8/5/2017	20.1	28.9	68	92	37.2
	8/6/2017	21.2	31.0	71	92	60.4
	8/7/2017	22.5	32.6	77	92	0.0
	8/8/2017	22.0	32.0	76	92	23.4
	8/9/2017	20.5	30.6	72	92	4.6
	8/10/2017	21.7	32.0	79	92	10.4
	8/11/2017	21.2	30.1	74	90	0.0
	8/12/2017	21.5	33.3	73	85	0.0
	8/13/2017	22.5	32.1	72	77	0.0
	8/14/2017	19.2	32.9	66	92	45.0
	8/15/2017	20.3	33.6	62	92	0.0
	8/16/2017	22.4	34.1	71	91	0.0
	8/17/2017	22.0	33.6	69	92	0.0
	8/18/2017	22.7	34.3	70	91	0.0
	8/19/2017	21.5	32.6	76	80	6.0
	8/20/2017	19.2	27.9	67	92	0.0
	8/21/2017	21.2	31.7	84	91	50.0
	8/22/2017	19.0	27.3	81	92	18.8
	8/23/2017	19.4	28.1	81	92	13.2
	8/24/2017	19.5	28.3	60	92	4.4
	8/25/2017	22.7	32.6	68	87	0.0
	8/26/2017	21.2	30.1	64	92	0.0
	8/27/2017	23.4	33.3	65	86	0.0

	8/28/2017	22.5	34.1	75	92	1.4
	8/29/2017	22.0	29.0	70	92	1.2
	8/30/2017	20.3	30.6	66	92	11.4
	8/31/2017	21.4	31.3	69	84	12.4
September, 2017	9/1/2017	22.0	31.6	83	90	75.4
	9/2/2017	19.7	24.9	85	91	120.4
	9/3/2017	21.7	28.0	68	87	23.6
	9/4/2017	22.0	31.3	71	91	0.0
	9/5/2017	21.2	31.0	68	91	0.0
	9/6/2017	22.6	31.6	67	90	0.0
	9/7/2017	23.0	32.5	63	92	0.0
	9/8/2017	20.3	33.1	67	85	9.2
	9/9/2017	22.2	31.9	64	91	0.0
	9/10/2017	21.5	32.5	66	84	0.0
	9/11/2017	23.2	32.9	60	92	0.0
	9/12/2017	23.2	33.6	66	84	0.0
	9/13/2017	22.0	32.3	66	90	0.0
	9/14/2017	22.2	33.1	62	92	0.0
	9/15/2017	22.5	33.3	63	91	0.0
	9/16/2017	21.2	33.0	71	90	0.0
	9/17/2017	22.0	31.6	76	92	0.0
	9/18/2017	20.3	30.3	55	88	0.0
	9/19/2017	23.0	34.1	69	90	0.0
	9/20/2017	23.3	32.5	62	91	0.0
	9/21/2017	20.0	33.3	60	87	0.0
	9/22/2017	22.2	32.0	74	86	0.0
	9/23/2017	20.3	29.3	88	92	0.0
	9/24/2017	18.5	24.1	77	95	15.4
	9/25/2017	19.0	26.3	69	95	150.6
	9/26/2017	19.5	31.5	61	94	0.0
	9/27/2017	20.3	31.9	69	91	0.0
	9/28/2017	22.2	32.0	67	92	0.0
	9/29/2017	21.5	32.3	70	85	0.0
	9/30/2017	20.6	32.6	66	93	0.0
October, 2017	10/1/2017	21.4	33.1	70	83	0.0
	10/2/2017	18.4	31.6	60	91	0.0
	10/3/2017	19.0	31.9	60	91	0.0
	10/4/2017	19.5	33.1	64	81	0.0
	10/5/2017	20.2	32.3	61	90	0.0
	10/6/2017	21.0	32.9	58	91	0.0
	10/7/2017	18.5	32.3	57	87	0.0
	10/8/2017	18.5	32.9	57	92	0.0
	10/9/2017	18.0	32.1	59	90	0.0
	10/10/2017	17.4	33.1	56	92	0.0
	10/11/2017	17.8	32.3	58	90	0.0
	10/12/2017	19.2	32.6	55	89	0.0
	10/13/2017	17.2	33.1	58	89	0.0
	10/14/2017	15.3	31.3	52	90	0.0
	10/15/2017	13.2	31.6	43	90	0.0
	10/16/2017	12.3	31.1	43	91	0.0
	10/17/2017	11.0	31.3	41	90	0.0
	10/18/2017	12.2	30.1	43	91	0.0
	10/19/2017	12.5	32.6	39	89	0.0

10/20/2017	12.3	33.1	38	87	0.0
10/21/2017	12.0	32.1	44	89	0.0
10/22/2017	13.3	30.3	48	92	0.0
10/23/2017	10.1	30.6	43	90	0.0
10/24/2017	9.2	29.0	44	91	0.0
10/25/2017	8.1	29.3	44	90	0.0
10/26/2017	10.0	27.6	51	92	0.0
10/27/2017	10.3	29.3	46	86	0.0
10/28/2017	9.0	28.3	41	93	0.0
10/29/2017	10.3	28.3	46	91	0.0
10/30/2017	10.0	27.6	42	88	0.0
10/31/2017	10.5	23.4	50	88	0.0



ENTOMOLOGY

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ABBREVIATIONS USED

AVT- Advanced Varietal Trial

DAG- Days After Germination

DAI - Days After Infestation

EC - Emulsifiable Concentrate

FS - Flowable Concentrate

LIR - Leaf Injury Rating

R - Resistant

MR - Moderately Resistant

S - Susceptible

SC - Suspension Concentrate

SD - Standard Deviation

SI - Susceptibility Index

NG - No Germination

WG - Wettable Granules

M- Mean

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Executive Summary

ET1. Evaluation of AICRP entries against stem borers under artificial infestation

During Kharif 2017, a total of 9 AICRP trials of early (15), medium (26) and late (24) entries of different maturity period, QPM (45), pop corn (14), baby corn (11), sweet corn (15), rainfed (11) and inbreds (34) were conducted at North West Plain Zone (represented by Karnal and Ludhiana), North East Plain Zone (Dholi), Peninsular Zone (Kolhapur, Hyderabad) and Central Western Zone (Udaipur) against *Chilo partellus* (Swinhoe) under artificial infestation.

The entries were sown in two rows of 3 m each. Sixteen seeds were sown and, twelve plants were retained in each row ten days after germination. When the plants were 12-14 days-old 10-12 black-headed eggs of *C. partellus* laid on butter paper were pinned in the whorl. The eggs hatched within few hours and the neonate larvae nibbled on the leaves and found their way in the leaf and later into stem. The plants were observed 35 days after infestation for level of infestation by recording the leaf injury rating on 1-9 scale.

LIR	Plant Symptoms
1	Plants showing no infestation symptom
2	1-2 leaves with pinholes
3	3-4 leaves with holes
4	1/3 leaves showing infestation symptoms
5	Half the number of the leaves with infestation symptoms
6	2/3 leaves with infestation symptoms and the holes becoming windows
7	Leaves with long window and plant growth is stunted
8	Almost all leaves displaying heavy infestation and plant growth is stunted
9	Dead heart formation observed

The resistant, moderately resistant and susceptible entries are defined by LIR 1-3, >3-6 and >6-9 respectively.

Different maturity groups: The following entries registered resistant reaction against

C. partellus

- *Full Season Maturity group:* Out of 24 entries of full season maturity group screened under artificial infestation against *C. partellus*, none of the entries were resistant at NW Plain Zone, NE Plain Zone, Central Western Zone and Peninsular Zone.
- *Medium Maturity group:* Out of 26 entries of maturity group screened under artificial infestation against *C. partellus*, none of the entries were resistant at NW Plain Zone, NE Plain Zone, Central Western Zone and Peninsular Zone.
- *Early Maturity group:* Among the 15 early maturity entries screened under artificial infestation against *C. partellus*, only one entry, DMRH 1305 (3.0) was resistant to *C. partellus* at NE Plain Zone. None of the entries were resistant at NW Plain Zone, CW Zone and Peninsular Zone.
- *QPM:* Out of 45 QPM entries evaluated, entry DQH 111 (3.0) was found to be resistant in CW Zone. None of the entries were resistant at NW Plain Zone, NE Plain Zone and Peninsular Zone.
- *Rainfed:* Out of 11 entries evaluated, none of the entries were resistant at NW Plain Zone, NE Plain Zone, Central Western Zone and Peninsular Zone.

Corn:

- *Pop Corn:* Among 14 pop corn entries evaluated, none of the entries were found to be resistant at NW Plain Zone, NE Plain Zone, Central Western Zone and Peninsular Zone.
- *Baby Corn:* Out of 11 baby corn entries evaluated, only one entry AHB 6005 (2.60) was found to be resistant at CW Zone.

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- *Sweet Corn*: Out of 15 sweet corn entries evaluated against *C. partellus*, none of the entries were found to be resistant at NW Plain Zone, NE Plain Zone, Central Western Zone and Peninsular Zone.

ET 2: Evaluation of inbred lines against Chilo partellus under artificial infestation- Dholi, Hyderabad, Kolhapur, Karnal, Ludhiana and Udaipur infestation (3rd year)

Out of 34 inbred lines screened against *C. partellus*, the following lines CM500 (2.55), WNCDMR 11 R 4585 (2.90), WNCDMR 11R 5897 (2.90) were found to be resistant at Karnal centre. None of the lines were found to be resistant at Ludhiana and Hyderabad centres. DMR N1 (2.60) and WNCDMR 11R 1611 (2.90) were resistant at Dholi centre. The following lines AEB(Y)C534-1 (2.60), BCK/BC4 (2.85), CM500 (2.55), DMRE 63 (2.75), DMR N1 (2.20), EC 440612 (2.30), IIMR SBT POOL (2.60), WNC 11R MPCZ 10AA (2.10) WNCDMR 11R 1611 (2.0), WNCDMR 11R 4542 (2.60), WNCDMR 11 R 4585 (2.10), WNCDMR 11 R 4787 (2.40), WNCDMR19RYDWS 2002 (2.90), WNCDMR 19RYDWS 1199A (2.00), WNCDMR 11R5880 (2.85), WNCDMR 11 R 5881 (2.40), WNCDMR 11R5888 (2.60), WNCDMR11R5895 (2.70), WNZPBTL 8 (2.50) were found to be resistant at Kolhapur centre. Inbred lines AEB(Y)C538-1(2.70), BCK/BC4 (2.90), CM500 (2.30), WNCDMR19RYDWS2066 (2.90), CM 300 (2.90), WNZPBTL 8 (2.90) were found to be resistant at Udaipur centre.

ET 3. Monitoring of Helicoverpa armigera (Hubner) by pheromone traps

The population of *Helicoverpa armigera* was monitored from tasseling till harvesting stage by installing pheromone traps during spring and kharif 2017. Maximum catch of 289 moths/acre was recorded during last week of April in spring sown maize at Ludhiana. In Delhi, maximum moth catch (34/acre) was recorded in second week of September in Kharif sown maize. In Karnal, moths started appearing in second week of September, which peaked in the first week of October (43 moths/ac) and continued up to third week of October. The moths were present in the entire period of monitoring from first week of September to third week of October in Hyderabad with no definite pattern in the trap catch. No moths were recorded in Kolhapur in Kharif maize. Moths were present from third week of August at Udaipur with maximum activity (10 moths /acre) recorded during first week of September. In Bajaura, maximum moth catch (42 moths /acre) was recorded during first week of June in the observation time spanning from third week of May to fourth week of October.

ET 4. Effect of seed treatment against C. partellus at Karnal, Ludhiana, Kolhapur, Hyderabad and Udaipur (1st year)

The neonicotinoid molecules, thiamethoxam 30 FS at 10 ml/ kg seed and imidacloprid 600FS at 8 ml/ kg seed were found effective based on leaf injury rating observed at 25 days after infestation and also in terms of grain yield as compared to untreated control.

ET 5. Evaluation of bio-pesticides against C. partellus at Delhi, Karnal, Ludhiana, Kolhapur, Hyderabad and Udaipur (2nd Year)

The efficacy of three *Beauveria bassiana* isolates Bb-5a, Bb-23, Bb-45; *Metarhizium* isolate Ma-35; Bt formulation –Delfin 5G; Neem formulation and Chlorantraniliprole 18.5 SC along with state recommended insecticide were evaluated at AICRP centres during *Kharif* 2017. State recommended insecticides followed by Chlorantraniliprole 18.5 SC were found to be most effective based on leaf injury rating observed at 25 days after infestation while Chlorantraniliprole 18.5 SC followed by state recommended insecticide resulted in maximum yield return as compared to control.

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ET 6. Study on incidence of spotted stem borer, *Chilo partellus* in Kharif sown maize in relation to plant age and meteorological factors

The population dynamics of *C. partellus* was monitored in two genotypes during kharif 2017 at five different locations. The infested plants were recorded at weekly interval and then dissected to observe the number of larvae present. Therefore crop age wise observation was based on the existing number of plants in each week while total infestation and total number of larvae was based on the initial plant population.

In Ludhiana, highest infestation (27.83%) was observed in Parkash, established in second week of June. Maximum number of larvae (2.5/per plant) was also observed in Parkash, established in fourth week of July. In PMH1, highest infestation (17.07%) as well as maximum number of larvae (1.67/ plant) was observed in the crop established in first week of June.

In Karnal, highest infestation (46.67 %) in the crop established in first week of July and maximum number of larvae (4.25/plant) established in fourth week of July was also observed in HQPM 1 respectively. In HM 10, highest infestation (41.33%) was observed in the crop established in second week of July and maximum number of larvae (3.5/plant) was observed in the crop established in fourth week of July.

In Delhi, highest infestation (15%) in the crop established in third week of July and maximum number of larvae (4/plant) was observed in crop established in first week of September in HQPM 1. In PMH1, highest infestation (11.67%) was observed in the crop established in first week of August and maximum number of larvae (4.5/plant) was observed in the crop established in first week of September.

In Hyderabad, highest infestation (97.85%) established in fourth week of July and maximum number of larvae (0.94/plant), established in first week of August was also observed in BML 6 respectively. In Antigua Gr.I, highest infestation (78.57%) established in third week of July and maximum number of larvae (0.62/plant) was observed in the crop established in first week of August.

In Udaipur, highest infestation (47.83%) established in second week of August and maximum number of larvae (0.94/plant) established in fourth week of July (1.45/plant) in DHM 117. In Pratap Makka-3, highest infestation (25%) established in the second week of July and maximum number of larvae (1.42/plant) in the crop established in second week of August in DHM 117.

ET 7. Evaluation of maize AICRP entries against *C. partellus* and *S. inferens* under artificial infestation for AVT I and II at Kolhapur & Hyderabad during rabi 2016-17

Out of 16 maize entries of late maturity group screened under artificial infestation against *C. partellus* at Kolhapur, four entries, KMH 3981 (2.7), DKC9175(IP8514) (3.0), NMH 1290 (2.6) and Buland (2.9) were found to be resistant while in medium maturity group, BLH 101 (2.7) DMH 117(2.6), BIO 9544 (3.0) were resistant. In QPM, MMH QPM-6-12-13 (2.9) was found to be resistant. Under the late maturity at Hyderabad centre, none of the entries showed resistance towards *S. inferens*. The late entries P 3522 (2.43) 115-08-01 (2.73), NMH 1290 (2.59) and BIO 9981 (2.78) were found to be resistant to *S. inferens* at Karnal centre. The same medium maturity entries when screened against *S. inferens* at Hyderabad, none of the entries were found to be resistant. At Karnal, entries HT 15066 (2.3), and BLH 102 (2.39), HT 1412081 417 (2.49) and BLH 101 (2.61) were found to be resistant to *S. inferens*. Among the QPM, HQPM 1 (2.02) was found to be resistant against *S. inferens* at Karnal centre.

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ET 8. Evaluation of inbred lines against *C. partellus* and *S. inferens* under artificial infestation at Kolhapur, Hyderabad and Karnal centres during rabi 2016-17

The first year screening of 38 inbred lines against *C. partellus* at Kolhapur resulted in identifying sixteen entries having LIR less than 3.0. The same inbred lines when screened against *S. inferens* at Hyderabad centre, none of the lines recorded LIR less than 3.0, while at Karnal centre, eleven entries were found to be resistant.

ET 9. Evaluation of insecticides against *S. inferens* (Hyderabad)

Chlorantraniliprole 20 SC, Flubendiamide 480 SC, Novaluron 10EC, Deltamethrin 2.8 EC along with state recommended insecticide were evaluated at Hyderabad centre for the first year against *Sesamia inferens* Walker. Flubendiamide 480 SC @ 0.2ml/l was found to be most effective based on leaf injury rating and grain yield as compared to untreated control.

ET 10. Evaluation of inbred lines against Sorghum shoot fly under natural infestation during Spring 2017 (Karnal and Delhi)

Out of 49 maize inbred lines screened under natural infestation against shoot fly at Karnal centre during second year, none of the entries showed dead hearts less than 10%. At Delhi centre, the following five entries, WNCDMR11R5881 (0.0), G18QC8-36 (0.0), P63C2BBB17B (0.0), PFSR/51016-1 (0.0), SO1SIYQBBB13B (0.0) had no dead heart formation.

ET 11. Evaluation of inbred lines against maize and sorghum shoot fly under natural infestation during Spring 2017 (Ludhiana and Delhi)

Out of 40 maize inbred lines screened under natural infestation against *Atherigona naqvii* at Ludhiana centre for the first year, five lines CM 13,(1.16), CML-50 (1.49), HEY Pool -2011-15-1-3-2-1-1 (1.28), HEY Pool -2011-30-4-1-2-2-1 (1.19), HEY POOL-2011-12-5SC-3-1-1 (1.30) were found to be resistant based on susceptible index. The same set of 40 lines were evaluated against shoot fly, *A. soccata* at Delhi during spring 2017, only CM 13 and CML 43 had no dead heart formation.

Survey and surveillance of maize growing areas of Himachal Pradesh for different insects and other pests: Systematic surveys of the maize growing areas of villages of Mandi, Kullu, Bilaspur, Hamirpur and Una districts was carried out to find out the status of insect pests particularly in the early stage of the crop. It was found out that the crop was infested with cutworms, shoot fly, white grubs and snails in the early stage of its growth. The attack of cutworms was more pronounced in Mandi and Kullu districts whereas the attack of snails was recorded in high rainfall area of Banjar valley of Kullu and Gohar and Maviseri area of Mandi district. Attack of white grubs was recorded in Hamirpur and Bilaspur. Shoot fly attack was recorded from the villages of Una district. No attack of maize stem borer *Chilo partellus* was recorded from any of the place surveyed.

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ET 1: Evaluation of maize AICRP trails under artificial infestation for AVT I and II

Table 1: Zone wise summary of AICRP trials for resistance against *Chilo partellus* (Swinhoe) in each maturity group during Kharif, 2017

Level of susceptibility	Full season maturity	Medium maturity	Early maturity
	AVT I & AVT II	AVT I & AVT II	AVT I & AVT II
North West Plain Zone			
Resistant	0	0	0
Moderately Resistant	24	26	15
Susceptible	0	0	0
North East Plain Zone			
Resistant	0	0	1
Moderately Resistant	20	25	12
Susceptible	4	1	2
Peninsular Zone			
Resistant	0	0	0
Moderately Resistant	18	20	13
Susceptible	6	6	2
Central Western Zone			
Resistant	0	0	0
Moderately Resistant	22	25	15
Susceptible	2	1	0

(The figures indicate number of entries)

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Table 2: Zone wise summary of maize AICRP trials for resistance against *C. partellus* for rainfed and specialty corn group and during Kharif, 2017

Level of susceptibility	QPM	Rainfed	Pop corn	Baby corn	Sweet corn
North West Plain Zone					
Resistant	0	0	0	0	0
Moderately Resistant	45	11	14	11	15
Susceptible	0	0	0	0	0
North East Plain Zone					
Resistant	0	0	0	0	0
Moderately Resistant	44	11	13	8	15
Susceptible	1	0	1	3	0
Peninsular Zone					
Resistant	0	0	0	0	0
Moderately Resistant	39	11	1	11	4
Susceptible	6	0	13	0	11
Central Western Zone					
Resistant	1	0	0	1	0
Moderately Resistant	42	11	14	9	15
Susceptible	2	0	0	1	0

(The figures indicate number of entries)

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Table 3: Screening of maize AICRP entries of Full Season Maturity(AVT I & AVT II) group against *C. partellus* during Kharif, 2017

E.No	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)								
		North West Plain Zone			North East Plain Zone	Peninsular Zone			Central Western Zone	Over all Mean
		Karnal	Ludhiana	Mean	Dholi	Kolhapur	Hyderabad	Mean	Udaipur	
1	GK 3204	3.71	5.0	4.36	4.8	3.45	6.1	4.78	5.0	4.83
2	DH-300	5.08	5.4	5.24	4.9	6.60	6.1	6.35	4.7	5.73
3	MM 2626	4.00	4.4	4.20	6.1	4.15	4.4	4.28	5.2	4.83
4	HT 16607	3.08	5.2	4.14	5.5	5.50	7.2	6.35	6.5	6.21
5	DKC 9178 (IQ8623)	4.67	4.8	4.74	6.2	5.50	5.8	5.65	5.3	5.69
6	GK 3202	5.75	4.6	5.18	5.1	3.07	5.6	4.33	4.5	4.52
7	BIO 274	5.96	5.1	5.53	4.9	5.60	7.7	6.65	4.4	5.85
8	STAR-X-6	4.96	5.0	4.98	4.4	5.58	6.8	6.19	3.7	5.33
9	NS 8001	5.71	5.4	5.56	5.3	4.42	7.1	5.76	5.6	5.63
10	JH 13023	3.92	4.9	4.41	3.8	3.55	6.2	4.88	4.8	4.65
11	PM16103L	3.63	4.6	4.12	4.2	3.35	6.0	4.68	3.3	4.31
12	JH 15080	5.67	5.6	5.64	4.5	4.35	6.2	5.27	4.3	4.92
13	CMH11-583	5.08	4.9	4.99	5.4	5.99	4.0	4.99	4.8	5.04
14	OMH 14-16 (CAH1424)	4.33	5.3	4.82	4.3	3.20	6.5	4.85	5.1	4.79
15	IMH 1527	4.71	4.8	4.76	4.6	4.00	5.3	4.65	4.7	4.65
16	VaMH 13024	4.54	5.6	5.07	5.2	2.94	8.7	5.82	6.7	5.87
17	BIO 716	5.46	4.6	5.03	5.5	4.55	7.1	5.83	5.0	5.60
18	OMH 1462 (CAH 142)	4.67	4.2	4.44	6.2	2.92	4.7	3.81	5.4	4.60
19	JKMH 4152	3.63	5.5	4.57	3.9	4.42	7.5	5.96	3.6	5.08
20	DKC(9164)IP9002	4.54	4.9	4.72	4.0	6.30	5.3	5.8	4.0	5.08
21	ADV 7022	4.50	5.1	4.80	5.8	4.04	7.0	5.52	5.1	5.49
22	BIO 9682 (C)	6.25	5.7	5.98	5.3	5.80	6.4	6.10	4.2	5.56
23	CMH 08-287 (C)	4.17	5.4	4.79	6.1	4.67	8.0	6.33	5.4	6.10
24	CMH 08-282 (C)	6.00	4.8	5.40	4.8	3.70	6.7	5.20	4.3	4.94
25	R Check	2.90	4.95	3.92	-	4.50	5.55	5.02	4.9	4.56
26	S Check	5.60	6.35	5.97	-	8.22	8.85	8.53	5.5	6.90
	CD (p=0.05)	NS	1.01		NS	NS	NS		NS	

E-12

Table 4: Screening of maize AICRP entries of Medium Maturity (AVT I & AVT II) group against *C. partellus* during Kharif, 2017

E.No	Name of the Entry	Mean Leaf Injury Rating (LIR on 1-9 scale)								
		North West Plain Zone			North East Plain Zone	Peninsular Zone			Central Western Zone	Over all Mean
		Karnal	Ludhiana	Mean	Dholi	Kolhapur	Hyderabad	Mean	Udaipur	
1	JKMH 4157	5.17	5.17	5.17	5.3	4.83	6.3	5.57	4.7	5.35
2	LMH 1216	5.17	3.77	4.47	5.5	3.32	6.8	5.06	4.9	5.02
3	KH-2001 GOLD	4.79	5.00	4.90	5.8	3.17	6.5	4.83	4.6	4.77
4	JKMH 1414	5.50	6.10	5.80	4.9	3.64	3.9	3.77	4.3	3.90
5	IMHBG-2016-6	4.33	4.54	4.44	4.7	4.08	6.6	5.34	3.7	4.93
6	DKC(7173)IQ 7802	5.71	5.00	5.36	4.3	4.67	7.5	6.08	4.1	5.59
7	DMRH1419	6.08	5.38	5.73	4.9	4.44	6.5	5.47	5.3	5.43
8	BH 414176	3.00	4.80	3.90	5.2	5.30	4.3	4.80	4.1	4.63
9	DKC 9179 (IQ8627)	6.75	4.50	5.63	5.4	4.49	5.8	5.14	4.6	5.01
10	LMH 616	6.96	4.15	5.56	5.8	4.50	4.9	4.70	4.9	4.75
11	OMH 14-18(CAH 1519)	5.88	5.52	5.70	4.7	4.20	8.1	6.15	5.3	5.86
12	LMH 1116	6.67	4.04	5.36	3.7	4.80	5.9	5.35	4.2	5.06
13	BLH 111	5.42	4.62	5.02	4.2	5.30	3.5	4.40	4.6	4.45
14	CCH 9999	6.92	4.73	5.83	5.1	2.97	5.7	4.33	4.0	4.25
15	DMRH 1410	4.75	5.32	5.04	6.3	3.84	8.6	6.22	4.7	5.84
16	IMHBG-2016-4	6.42	5.13	5.78	4.2	4.50	7.9	6.20	4.9	5.88
17	IMH 1603	4.96	4.98	4.97	5.2	4.20	4.4	4.30	5.3	4.55
18	RCRMH 2	2.75	4.95	3.85	5.4	4.50	4.9	4.70	4.0	4.53
19	IMH 1527	3.63	5.50	4.57	5.8	4.65	8.2	6.43	4.4	5.92
20	DKC 8174 (IQ8319)	4.42	4.00	4.21	4.1	4.15	6.7	5.43	5.2	5.37
21	VaMH 12014	2.63	4.51	3.57	5.2	2.95	8.5	5.73	6.3	5.87
22	JKMH 4103	5.00	4.46	4.73	5.0	4.84	5.7	5.27	5.2	5.26
23	JH 13347	6.75	4.77	5.76	4.3	5.24	5.5	5.37	4.6	5.18
24	BIO 9544 (C)	3.67	5.58	4.63	5.1	6.48	7.8	7.14	4.4	6.46
25	CMH 08-292 (C)	6.88	3.85	5.37	3.6	4.58	4.9	4.74	5.5	4.93
26	DHM 121 (C)	3.00	NG	3.00	5.3	NG	NG	NG	3.7	4.00
27	R Check	2.87	5.10	5.45	-	4.00	4.20	4.10	6.70	3.85
28	S Check	5.87	6.35	4.60	-	8.00	8.80	8.40	5.90	6.84
	CD (p=0.05)	2.54	1.26		NS	NS	2.78		NS	

E-13

Table 5: Screening of maize AICRP entries of Early Maturity (AVT I & AVT II) group against *C. partellus* during Kharif, 2017

E.No	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)								
		North West Plain Zone			North East Plain Zone	Peninsular Zone			Central Western Zone	Over all Mean
		Karnal	Ludhiana	Mean	Dholi	Kolhapur	Hyderabad	Mean	Udaipur	
1	JH 31816	2.67	5.84	4.26	4.2	5.75	5.4	5.58	5.6	5.31
2	KH-102	3.79	5.37	4.58	3.9	3.40	6.8	5.10	5.5	4.94
3	FH 3768	2.71	6.13	4.42	4.3	4.00	7.3	5.65	3.2	4.89
4	KDMH-103* (NIVT-STATE)	3.88	6.09	4.99	4.7	4.00	6.7	5.35	3.8	4.91
5	H-64* (NIVT-STATE)	4.13	5.83	4.98	5.7	4.94	6.8	5.87	4.9	5.64
6	FH 3765	3.79	5.67	4.73	4.6	4.80	6.7	5.75	5.6	5.49
7	H-100* (NIVT-STATE)	4.13	5.96	5.05	5.4	5.59	8.3	6.94	3.5	5.95
8	FH 3771	4.29	6.14	5.22	4.9	4.70	5.2	4.95	5.6	5.07
9	DMRH 1305	3.54	6.10	4.82	3.0	6.35	6.5	6.43	5.4	5.54
10	JKMH 4222	2.88	6.13	4.51	3.3	3.83	4.8	4.32	5.0	4.25
11	FH 3754	4.33	5.48	4.91	4.8	3.40	4.4	3.90	5.0	4.30
12	PMH5 (C)	3.67	6.33	5.00	3.5	3.65	6.3	4.98	6.0	4.89
13	BIO605 (C)	3.08	5.54	4.31	4.6	2.89	6.5	4.69	5.5	4.84
14	DKC 7074 (C)	3.50	5.92	4.71	5.0	3.10	6.8	4.95	5.5	5.07
15	Prakash (C)	3.50	6.10	4.80	4.7	5.10	5.0	5.05	4.3	4.83
16	R Check	2.55	5.75	4.15	-	3.34	5.55	4.44	5.50	4.53
17	S Check	4.90	7.40	6.15	-	7.20	8.80	8.00	6.20	6.90
	CD (p=0.05)	NS	0.64		NS	1.73	2.30		NS	

E-14

Table 6: Screening of maize AICRP entries of QPM against *C. partellus* during Kharif, 2017

E.No	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)								
		North West Plain Zone			North East Plain Zone	Peninsular Zone			Central Western Zone	Over all Mean
		Karnal	Ludhiana	Mean	Dholi	Kolhapur	Hyderabad	Mean	Udaipur	
1	IIMRQPMH 1711	6.33	4.62	5.48	4.9	2.6	8.1	5.35	4.5	5.09
2	DQH 111	5.71	3.42	4.57	3.9	5.28	6.4	5.84	3.0	4.88
3	BQPMH 16	4.04	3.54	3.79	5.4	4.2	6.4	5.3	5.5	5.36
4	IIMRQPMH 1704	4.71	5.19	4.95	4.2	3.8	7.8	5.8	5.9	5.50
5	IIMRQPMH 1609	6.04	5.20	5.62	3.9	3.7	8.4	6.05	4.9	5.39
6	APQH-5	5.42	4.08	4.75	4.4	3.1	7.1	5.1	4.8	4.90
7	LQPMH 415	3.75	4.96	4.36	5.5	4.7	6.9	5.8	6.6	5.90
8	IIMRQPMH 1508	5.17	3.67	4.42	3.9	3.1	4.5	3.8	4.6	3.98
9	IIMRQPMH 1708	5.13	5.33	5.23	5.3	2.33	6.9	4.61	4.5	4.73
10	IIMRQPMH 1701	3.42	4.80	4.11	4.8	3.52	6.5	5.01	5.5	5.06
11	VEQH-16-1	4.67	5.18	4.93	4.4	4.77	6.0	5.38	4.6	5.03
12	IIMRQPMH 1712	5.04	5.24	5.14	4.5	3.3	4.7	4.0	4.3	4.16
13	APH-1	5.25	4.50	4.88	4.7	4.0	6.7	5.35	5.0	5.15
14	APQH-7	5.46	4.88	5.17	5.2	2.5	6.8	4.65	4.3	4.69
15	EHQ 64	4.54	5.30	4.92	5.3	3.54	6.8	5.17	5.1	5.18
16	IIMRQPMH 1710	5.08	4.63	4.86	5.3	4.2	7.4	5.8	4.7	5.48
17	QPM MH 27	5.38	4.54	4.96	4.2	3.64	5.0	4.32	5.2	4.47
18	IIMRQPMH 1602	5.08	4.57	4.83	5.0	3.1	8.6	5.85	4.8	5.47
19	IIMRQPMH 1603	5.38	4.84	5.11	4.0	4.0	7.9	5.95	4.2	5.21
20	IIMRQPMH 1705	5.04	4.04	4.54	5.4	3.3	5.8	4.55	6.6	5.13
21	DQH 112	4.71	5.65	5.18	4.6	3.9	5.5	4.7	5.3	4.80
22	OQPMH-14191	4.92	5.19	5.06	4.3	5.24	7.3	6.27	4.0	5.42
23	IIMRQPMH 1702	4.71	5.04	4.88	5.1	3.8	6.8	5.3	3.4	4.87
24	QPM MH 30	5.79	5.26	5.53	5.5	3.6	7.1	5.35	3.9	5.09
25	IIMRQPMH 1608	4.17	5.41	4.79	4.8	3.5	6.4	4.95	4.9	4.91
26	IIMRQPMH 1610	3.88	4.58	4.23	4.6	6.98	5.0	5.99	5.5	5.6
27	IIMRQPMH 1706	3.88	4.83	4.36	5.8	2.8	5.8	4.3	5.2	4.78
28	FQH 106	4.33	4.85	4.59	6.3	3.2	7.6	5.4	3.1	5.12
29	IIMRQPMH 1703	4.17	5.23	4.70	4.4	5.0	6.2	5.6	5.4	5.32
30	IIMRQPMH 1605	4.67	5.54	5.11	4.75	2.9	8.2	5.55	5.4	5.36
31	IIMRQPMH 1713	4.75	4.54	4.65	5.2	5.35	6.9	6.12	4.8	5.67

Cont...

E-15

Table 6: Screening of maize AICRP entries of QPM against *C. partellus* during Kharif, 2017

E.No	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)								
		North West Plain Zone			North East Plain Zone	Peninsular Zone			Central Western Zone	Over all Mean
		Karnal	Ludhiana	Mean	Dholi	Kolhapur	Hyderabad	Mean	Udaipur	
32	OPQMH 15-1	5.54	4.88	5.21	4.5	3.85	8.4	6.13	4.6	5.50
33	IIMRQPMH 1601	6.33	4.23	5.28	3.6	2.9	5.3	4.1	5.1	4.2
34	IIMRQPMH 1709	5.33	4.77	5.05	4.55	3.3	6.3	4.8	4.4	4.67
35	IMHQPM 1530	5.71	4.92	5.32	4.9	5.05	5.9	5.48	4.7	5.21
36	IIMRQPMH 1707	4.50	4.35	4.43	5.9	5.99	8.1	7.04	3.6	6.13
37	IIMRQPMH 1606	4.79	4.49	4.64	5.7	3.5	7.6	5.55	4.3	5.33
38	APH 27	4.63	4.46	4.55	4.8	3.82	6.8	5.31	4.3	5.00
39	Vivek QPM 9 (C)	5.71	5.46	5.59	4.3	3.5	6.2	4.85	5.7	4.91
40	HQPM 1 (C)	5.58	5.50	5.54	4.7	3.7	6.7	5.2	5.0	4.95
41	HQPM 4 (C)	4.25	5.14	4.70	5.9	3.5	6.8	5.15	3.9	5.05
42	HQPM 5 (C)	5.04	4.75	4.90	4.7	3.0	5.8	4.4	5.1	4.6
43	HQPM 7 (C)	5.21	4.19	4.70	5.0	4.24	7.5	5.87	4.0	5.32
44	Vivek Hybrid 27-(C)	6.63	4.92	5.78	4.2	5.3	3.7	4.5	4.3	4.4
45	APQH-9-C	6.71	4.95	5.83	4.2	3.3	8.6	5.95	5.2	5.45
45	EHQ 64	4.20	5.15	4.67	6.00	6.24	6.20	6.22	4.90	5.43
46	R Check	2.80	5.65	4.22	-	4.42	5.6	5.01	5.60	4.81
47	S Check	6.05	6.9	6.47	-	6.00	8.55	7.27	6.30	6.76
	CD (p=0.05)	NS	NS		NS	NS	NS		1.79	

E-16

Table 7: Screening of maize AICRP entries of Rainfed (AVT-I against *C. partellus* during Kharif, 2017

E.No	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)								
		North West Plain Zone			North East Plain Zone	Peninsular Zone			Central Western Zone	Over all Mean
		Karnal	Ludhiana	Mean	Dholi	Kolhapur	Hyderabad	Mean	Udaipur	
1	GK 3206	2.88	3.65	3.27	5.6	6.0	3.7	4.85	4.7	4.97
2	RCRMH-4(CAH1525)	2.79	3.89	3.34	4.5	2.3	4.1	3.20	4.4	3.7
3	IMH1618	6.04	4.38	5.21	5.2	2.3	3.9	3.1	5.0	3.9
4	IMH 1533	4.21	4.2	4.21	4.2	2.6	4.1	3.35	3.6	3.57
5	OMH14-27	3.42	4.33	3.88	5.0	4.2	3.3	3.75	5.4	4.33
6	CMH 08-292 (C)	3.83	4.79	4.31	5.8	6.77	3.6	5.18	4.6	5.19
7	BIO 9544 (C)	3.58	5.32	4.45	5.2	2.1	3.3	2.7	5.1	3.68
8	DHM 121 (C)	3.75	4.75	4.25	4.6	4.4	-	4.4	4.3	4.43
9	BIO 9682 (C)	6.17	4.64	5.41	5.6	9.0	2.5	5.75	4.3	5.43
10	CMH 08-287 (C)	5.67	4.83	5.25	4.8	4.23	5.5	4.86	5.6	5.00
11	CMH 08-282 (C)	5.63	4.67	5.15	5.1	4.9	4.7	4.8	4.1	4.72
12	R Check	2.80	5.20	4.00	-	-	4.40	4.40	-	4.13
13	S Check	5.90	6.85	6.37	-	-	7.20	7.20	-	6.65
	CD (p=0.05)	2.08	1.35		NS	3.84	2.17		NS	

E-17

Table 8: Screening of maize AICRP entries of Pop corn against *C. partellus* during Kharif, 2017

E.No	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)								
		North West Plain Zone			North East Plain Zone	Peninsular Zone			Central Western Zone	Over all Mean
		Karnal	Ludhiana	Mean	Dholi	Kolhapur	Hyderabad	Mean	Udaipur	
1	IMHP-1535	3.04	5.91	4.48	4.7	6.70	7.6	7.15	4.6	6.15
2	APCH-1	3.75	6.37	5.06	4.2	2.19	7.6	4.89	4.8	4.74
3	IHPC-1203	3.13	4.55	3.84	4.5	8.25	8.1	8.18	4.6	6.73
4	DPCH-316	2.67	5.21	3.94	5.8	6.37	8.3	7.33	5.7	6.70
5	IHPC-1201	4.08	5.75	4.92	3.7	6.52	7.8	7.16	3.4	5.71
6	BPCH 415042	3.96	5.73	4.85	5.6	7.28	8.3	7.79	5.0	6.79
7	REPCH 2015-1	3.46	5.83	4.65	5.0	6.19	8.3	7.24	5.4	6.43
8	Zea Maize DZ 50	2.88	5.77	4.33	5.2	7.70	8.6	8.15	4.3	6.79
9	SJPCI	3.21	4.96	4.09	4.1	5.30	8.0	6.65	5.6	5.93
10	IMHP-1540	3.33	4.55	3.94	4.8	8.07	7.8	7.94	4.1	6.54
11	REPCH 2015-2	3.67	4.70	4.19	4.9	5.08	9.0	7.04	3.7	5.94
12	MPC 1-15	4.08	5.33	4.71	6.1	5.60	8.3	6.95	5.6	6.51
13	Shalimar Popcorn -1	3.04	5.42	4.23	4.3	5.40	8.0	6.70	4.8	5.84
14	VL Amber Popcorn (C)	2.88	5.45	4.17	5.1	7.32	8.6	7.96	3.2	6.43
15	R Check	2.55	5.30	3.92	-	4.97	5.60	5.28	5.00	4.68
16	S Check	5.05	6.50	5.77	-	7.30	8.70	8.00	6.20	6.75
	CD (p=0.05)	1.15	NS		NS	NS	1.01		NS	

E-18

Table 9: Screening of maize AICRP entries of Baby Corn against *C. partellus* during Kharif, 2017

E.No	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)								
		North West Plain Zone			North East Plain Zone	Peninsular Zone			Central Western Zone	Overall Mean
		Karnal	Ludhiana	Mean	Dholi	Kolhapur	Hyderabad	Mean	Udaipur	
1	AH-7043	2.79	5.14	3.97	6.9	4.77	4.4	4.58	5.6	5.25
2	MBC 11-15	2.96	4.83	3.90	5.7	5.40	3.9	4.65	4.0	4.73
3	IMHB 1538	4.5.0	4.98	4.74	3.8	4.37	4.6	4.48	4.3	4.31
4	GAYMH-1	2.88	4.63	3.76	6.2	3.65	3.6	3.63	4.7	4.36
5	IMHB 1529	2.92	5.31	4.12	6.2	4.70	4.0	4.35	4.5	4.75
6	PAC 321	4.04	5.25	4.65	5.4	3.20	2.9	3.05	6.2	4.15
7	IMHB 1532	3.83	5.14	4.49	5.5	3.90	3.7	3.80	4.2	4.22
8	IMHB 1539	2.96	4.83	3.90	5.8	5.54	3.4	4.47	3.8	4.61
9	DMRHB 1305	3.79	5.45	4.62	4.5	3.30	3.8	3.55	5.3	4.09
10	AHB 6005	3.75	5.18	4.47	4.7	6.92	5.0	5.96	2.6	5.04
11	HM 4 (C)	3.67	4.29	3.98	4.8	3.39	2.8	3.09	4.3	3.68
12	R Check	2.65	5.25	3.95	-	5.09	3.60	4.34	5.20	4.35
13	S Check	5.05	6.9	5.97	-	3.60	6.55	5.07	6.00	5.62
	CD (p=0.05)	NS	0.84		1.18	NS	1.74		1.75	

E-19

Table 10: Screening of maize AICRP entries of Sweet Corn against *C. partellus* during Kharif, 2017

E.No	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)								
		North West Plain Zone			North East Plain Zone	Peninsular Zone			Central Western Zone	Over all Mean
		Karnal	Ludhiana	Mean	Dholi	Kolhapur	Hyderabad	Mean	Udaipur	
1	ASKH-4	3.21	3.75	3.48	5.8	5.05	5.8	5.43	5.8	5.58
2	Nuzi 260	3.71	6.18	4.95	4.3	4.3	8.3	6.30	3.3	5.30
3	BSCH 6	2.63	5.67	4.15	4.5	5.3	8.0	6.65	3.3	5.55
4	MITHAS	2.83	5.91	4.37	4.6	3.0	8.5	5.75	4.1	5.19
5	ASKH-1	4.58	5.45	5.02	5.2	4.89	8.9	6.89	4.7	6.12
6	ASKH-61	4.17	5.75	4.96	4.5	2.6	6.9	4.75	4.6	4.67
7	FSCH 75	3.00	6.42	4.71	4.8	5.4	7.7	6.55	5.9	6.07
8	FSCH 98	4.13	6.18	5.16	5.3	7.2	8.8	8.00	3.5	6.56
9	NSCH-130	3.92	5.92	4.92	5.4	6.8	7.4	7.10	5.5	6.44
10	Madhula	2.42	5.92	4.17	4.2	3.0	8.9	5.95	5.4	5.49
11	BIO 4043	2.71	6.25	4.48	5.05	6.7	8.6	7.65	4.5	6.50
12	Misthi (C)	3.21	6.27	4.74	5.8	5.5	6.8	6.15	5.1	5.87
13	Madhuri Sweet Corn (C)	4.00	6.17	5.09	5.0	5.9	8.6	7.25	5.2	6.39
14	Priya Sweet Corn (C)	4.96	4.92	4.94	4.8	8.84	6.5	7.67	4.7	6.51
15	WOSC (C)	3.46	6.09	4.78	5.0	7.3	8.9	8.10	5.8	7.02
16	R Check	2.85	5.45	4.15	-	4.87	3.80	4.33	5.40	4.47
17	S Check	5.45	6.3	5.87	-	8.80	8.65	8.72	5.40	6.92
	CD (p=0.05)	1.67	NS		NS	NS	2.12		NS	

E-20

ET 2 : Evaluation of inbred lines against *Chilo partellus* under artificial infestation at Karnal, Ludhiana, Dholi, Kolhapur, Hyderabad and Udaipur

Table 11. Screening of maize inbred lines against stem borer, *C. partellus* during *Kharif*, 2017

E. No	Name of the Entry	North West Plain Zone		North East Plain Zone	Peninsular Zone		Central Western Zone	Over all Mean
		Karnal	Ludhiana	Dholi	Kolhapur	Hyderabad	Udaipur	
1	AEB(Y)C534-1	5.25	5.85	4.80	2.60	6.20	4.90	4.93
2	AEB(Y)C534-2	5.35	4.45	3.50	3.70	6.85	5.10	4.83
3	AEB(Y)C534-3	6.40	5.90	3.40	7.70	7.50	6.30	6.20
4	AEB(Y)C534-4	4.00	5.95	3.60	4.60	7.80	5.40	5.23
5	AEB(Y)C538-1	7.35	4.80	4.50	4.80	7.50	2.70	5.28
6	BCK/BC4	3.30	5.30	3.70	2.85	8.35	2.90	4.40
7	CM500	2.55	5.30	3.80	2.55	4.45	2.30	3.49
8	DMRE 63	3.05	5.10	4.10	2.75	4.90	6.80	4.45
9	DMR N1	3.60	5.95	2.60	2.20	8.00	3.80	4.36
10	EC 440612	6.70	5.55	3.50	2.30	8.25	5.50	5.30
11	IIMR PBT POOL	4.45	5.55	3.20	3.20	3.30	6.60	4.38
12	IIMR PBT SYNTHETIC	3.55	5.45	4.20	4.60	6.80	3.80	4.73
13	IIMR SBT POOL	5.00	4.95	3.50	2.60	5.60	4.00	4.28
14	WNC 11R MPCZ 10AA	3.50	4.10	3.50	2.10	7.10	6.30	4.43
15	WNC 11R MPCZ 5AA	4.10	4.90	4.50	3.00	5.75	6.30	4.76
16	WNCDMR 11R 3120	4.10	5.65	3.40	3.10	6.10	4.50	4.48
17	WNCDMR 11R 1611	NG	6.20	2.90	2.00	NG	4.80	3.98
18	WNCDMR 11R 4542	4.20	4.30	3.10	2.60	7.45	6.10	4.63
19	WNCDMR 11 R 4585	2.90	4.05	4.00	2.10	7.80	6.10	4.49
20	WNCDMR 11 R 4586	4.35	4.40	4.70	6.50	8.45	4.30	5.45
21	WNCDMR 11 R 4787	3.85	4.95	3.30	2.40	8.65	7.20	5.06
22	WNCDMR 11R 5897	2.90	5.35	3.40	3.05	8.40	6.20	4.88
23	WNCDMR 19RYDWS 1578	5.20	5.95	4.90	5.50	8.60	4.60	5.79
24	WNCDMR19RYDWS 1941	3.15	4.65	3.90	4.30	7.80	4.70	4.75
25	WNCDMR19RYDWS 2002	4.05	5.75	5.00	2.90	8.45	3.90	5.01
26	WNCDMR 19RYDWS 1199A	6.50	5.60	4.75	2.00	8.10	6.20	5.53
27	WNCDMR19RYDWS2066	4.70	5.65	4.70	3.80	8.60	2.90	5.06
28	WNCDMR19RYWS1819	3.20	5.65	5.00	6.05	7.75	6.70	5.73
29	WNCDMR 11R5880	4.75	5.35	4.00	2.85	6.55	3.90	4.57
30	WNCDMR 11 R 5881	6.45	5.65	3.00	2.40	7.65	6.10	5.21
31	WNCDMR 11R5888	4.15	5.95	3.40	2.60	5.20	6.30	4.60
32	WNCDMR11R5895	5.80	5.85	4.10	2.70	8.10	3.70	5.04
33	CM 300 selection	5.05	5.30	3.80	6.30	8.75	2.90	5.35
34	WNZPBTL 8	3.10	5.40	3.40	2.50	8.05	2.90	4.23
	CD (p=0.05)	1.05	NS	NS	3.38	4.57	NS	1.58

E-21

ET3: Monitoring of *Helicoverpa armigera* (Hubner) by pheromone traps (Kharif & Spring) at Delhi, Karnal, Ludhiana, Hyderabad, Kolhapur, Udaipur and Bajaura

Table 12. Mean number of *H. armigera* catches /acre during spring and kharif 2017

Month	Weeks	Delhi	Karnal	Ludhiana	Hyderabad	Kolhapur	Udaipur	Bajaura	Over all mean
April	II	-	-	75	-	-	-	-	75
	III	-	-	103	-	-	-	-	103
	IV	-	-	289	-	-	-	-	289
May	I	-	-	276	-	-	-	-	276
	II	-	-	167	-	-	-	-	167
	III	-	-	92	-	-	-	19	55.5
	IV	-	-	71	-	-	-	40	55.5
June	I	-	-	11	-	-	-	42	26.5
	II	-	-	4	-	-	-	31	17.5
	III	-	-	-	-	-	-	35	35
	IV	-	-	-	-	-	-	40	40
July	I	-	-	-	-	-	-	31	31
	II	-	-	-	-	-	-	26	26
	III	-	-	-	-	-	-	11	11
	IV	-	-	-	-	-	-	11	11
August	I	-	-	-	-	-	-	6	6
	II	-	-	-	-	-	-	2	2
	III	0	0	-	0	0	4	2	1
	IV	14	0	-	0	0	6	7	4.5
September	I	27	0	-	2	0	10	2	6.83
	II	34	2	-	4	0	7	3	8.33
	III	5	4.5	-	2	0	2	2	2.58

E-22

Month	Weeks	Delhi	Karnal	Ludhiana	Hyderabad	Kolhapur	Udaipur	Bajaura	Over all mean
	IV	3.5	26	-	1	0	1	3	5.75
October	I	0.5	43	-	1	0	0	1	7.58
	II	0	25	-	3	0	0	3	5.16
	III	0	6	-	2	0	0	0	1.33

E-23

ET 4. Effect of seed treatment against *C. partellus* at Karnal, Ludhiana, Kolhapur, Hyderabad and Udaipur (1st year)

Table 13. Evaluation of seed treatment in terms of LIR against *C. partellus* during Kharif, 2017

S.No	Name of the Entry	North West Plain Zone		Peninsular Zone		Central Western Zone	Overall mean
		Karnal	Ludhiana	Kolhapur	Hyderabad	Udaipur	
1	Thiamethoxam 30 FS 6 ml/ kg seed	3.83	5.89	3.78	6.30	4.20	4.80
2	Thiamethoxam 30 FS 8 ml/ kg seed	3.46	5.5	3.58	5.33	4.06	4.39
3	Thiamethoxam 30 FS 10 ml/ kg seed	3.23	5.17	3.26	4.36	3.67	3.94
4	Imidacloprid 600FS 4 ml/ kg seed	3.96	5.5	4.14	5.80	4.67	4.81
5	Imidacloprid 600FS 6 ml/ kg seed	3.73	5.17	3.91	4.90	4.60	4.46
6	Imidacloprid 600FS 8 ml/ kg seed	3.40	5.06	3.63	3.40	4.13	3.92
7	Chllorpyriphos 20EC 5 ml/ kg seed	5.03	5.28	5.35	5.76	5.87	5.46
8	Fipronil 5 SC 6 ml/ kg seed	4.80	5	4.06	3.06	5.20	4.42
9	Deltamethrin (Foliar Spray-80 ml/acre)	-	3.56	-	-	-	3.56
10	Untreated Control	5.13	5.94	6.37	7.76	7.13	6.47
	CD (p=0.05)	0.47	0.43	0.39	0.71	0.97	

E-24

Effect of seed treatment against *C. partellus* at Karnal, Ludhiana, Kolhapur, Hyderabad and Udaipur (1st year)

Table 14. Evaluation of seed treatment in terms of grain yield (q/ha) against *C. partellus* during Kharif, 2017

S.No	Treatment	Mean grain yield (Q/ha)				
		North West Plain Zone		Peninsular Zone		Over all Mean
		Karnal	Ludhiana	Kolhapur	Udaipur	
1	Thiamethoxam 30 FS 6 ml/ kg seed	54.76	37.36	46.58	44.15	45.71
2	Thiamethoxam 30 FS 8 ml/ kg seed	56.83	39.91	52.84	44.40	48.50
3	Thiamethoxam 30 FS 10 ml/ kg seed	57.50	42.31	53.25	45.88	49.74
4	Imidacloprid 600FS 4 ml/ kg seed	54.33	39.03	48.47	42.68	46.13
5	Imidacloprid 600FS 6 ml/ kg seed	55.06	40.88	44.92	43.15	46.00
6	Imidacloprid 600FS 8 ml/ kg seed	56.16	43.56	51.66	44.37	48.94
7	Chlorpyrifos 20EC 5 ml/ kg seed	53.50	39.21	39.50	40.10	43.10
8	Fipronil 5 SC 6 ml/ kg seed	53.83	42.45	44.51	40.82	45.40
9	Deltamethrin (Foliar Spray-80 ml/acre)	-	55.41	-	-	55.41
10	Untreated Control	51.96	36.90	39.07	36.90	41.20
	CD (p=0.05)	3.21	4.97	5.76	2.88	NS

E-25

ET 5: Evaluation of bio-pesticides against *C. partellus* at Delhi, Karnal, Ludhiana, Kolhapur, Hyderabad and Udaipur (2ndYear)

Table 15. Efficacy of biopesticides against *C. partellus* in terms of LIR (1-9 scale) during Kharif, 2017

E. No	Name of the Entry	Mean Leaf Injury Rating (LIR on 1-9 scale)						
		North West Plain Zone			Peninsular Zone		Central Western Zone	Over all Mean
		Delhi	Karnal	Ludhiana	Kolhapur	Hyderabad	Udaipur	
1	Bio-5a iso.of <i>B.bassiana</i> , 1 x 10 ⁸ spores/ml- 10 ml/l of water	5.33	5.00	4.61	4.22	6.10	5.40	5.11
2	Bio -23 iso.of <i>B.bassiana</i> 1 x 10 ⁸ spores/ml- 10 ml/l of water	5.53	4.83	4.89	4.07	6.96	5.13	5.23
3	Bb-45 iso.of <i>B.bassiana</i> 1 x 10 ⁸ spores/ml- 10 ml/l of water	4.40	4.93	5.17	4.38	6.90	6.00	5.29
4	Ma-35 iso.of <i>Meterhizium</i> 1 x 10 ⁸ spores/ml- 10 ml/l of water	5.23	4.80	5.33	4.76	7.56	5.80	5.58
5	Bt formulation- 5 g/l of water	3.53	3.33	4.61	3.68	6.33	2.47	3.99
6	Neem formulation- 1500PPM 5 ml/l of water	3.33	4.20	5.28	3.89	5.33	4.47	4.41
7	State Recommended	2.03	2.46	4.11	2.93	4.70	2.06	3.04
8	Chlorantraniliprole 18.5 SC- 0.3 ml/l of water	2.13	2.20	3.78	2.79	4.53	-	3.08
9	Untreated Control	6.03	5.96	6.11	6.39	8.03	6.93	6.57
	CD (p=0.05)	0.79	0.70	0.15	0.64	0.99	1.04	1.37

E-26

ET 5: Evaluation of bio-pesticides against *C. partellus* at Delhi, Karnal, Ludhiana, Kolhapur, Hyderabad and Udaipur (2ndYear)

Table 16. Efficacy of biopesticides against *C. partellus* in terms of grain yield (q/ha) during Kharif, 2017

S. No	Treatment	Mean grain yield (Q/ha)					
		North West Plain Zone			Peninsular Zone	Central Western Zone	Over all Mean
		Delhi	Karnal	Ludhiana	Kolhapur	Udaipur	
1	Bio-5a iso.of <i>B.bassiana</i> , 1 x 10 ⁸ spores/ml- 10 ml/l of water	15.89	53.50	43.61	37.79	41.00	38.35
2	Bio 23 iso.of <i>B.bassiana</i> 1 x 10 ⁸ spores/ml- 10 ml/l of water	21.92	53.06	46.11	35.57	41.78	39.68
3	Bb-45 iso.of <i>B.bassiana</i> 1 x 10 ⁸ spores/ml- 10 ml/l of water	29.27	52.46	41.94	38.16	40.05	40.37
4	Ma-35 iso.of <i>Metarrhizium</i> 1 x 10 ⁸ spores/ml- 10 ml/l of water	30.31	52.40	41.16	39.56	40.60	40.80
5	Bt formulation- 5 g/l of water	30.26	55.70	48.33	44.92	44.58	44.75
6	Neem formulation 1500 ppm- 5 ml/l of water	29.35	55.06	40.28	45.52	42.80	42.60
7	State Recommended	46.39	57.30	51.39	50.17	46.15	50.28
8	Chlorantraniliprole 18.5 SC- 0.3 ml/l of water	39.23	58.86	52.82	51.04	-	50.48
9	Untreated Control	18.92	49.03	37.50	25.89	36.65	32.83
	CD (p=0.05)	10.03	3.82	5.22	13.13	2.97	8.75

E-27

ET 6: Study on incidence of spotted stem borer, *Chilo partellus* in Kharif sown maize in relation to plant age and meteorological factors.

Table 17a: Population dynamics of *C. partellus* in Kharif maize at Ludhiana

PMH 1	% infestation							No. of larvae/plant						
	Crop establishment (week interval)													
Crop age(days)	June II	June III	July I	July II	July IV	Aug I	M	June II	June III	July I	July II	July IV	Aug I	M
10	6.5	6.19	0.79	3.16	0.99	1.6	3.20	2.38	1.57	2	0.67	1	1.5	1.52
18	5.22	3.77	3.17	2.17	0	0	2.38	1.33	1.5	1.5	0.5	0	0	0.80
25	3.67	1.96	1.64	0	0	0	1.21	1	1	1	0	0	0	0.5
32	1.9	0	0	0	0	0	0.31	1.5	0	0	0	0	0	0.25
39	0.97	0	0	0	0	0	0.16	1	0	0	0	0	0	0.16
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	17.07	11.5	5.51	5.26	0.99	1.6		1.67	1.46	1.43	0.8	1	1.5	
Parkash	% infestation							No. of larvae/plant						
	Crop establishment (week interval)													
Crop age(days)	June II	June III	July I	July II	July IV	Aug I	M	June II	June III	July I	July II	July IV	Aug I	M
10	7.83	3.57	2.97	4.55	1.9	0.76	3.59	3	2.75	3.67	2	2.5	2	2.65
18	6.6	7.41	7.14	3.81	0	0	4.16	1.71	1.75	1.29	1.5	0	0	1.04
25	6.06	5	3.3	0	0	0	2.39	0.67	1.2	1	0	0	0	0.47
32	3.23	4.21	2.27	0	0	0	1.61	0.67	0.75	1	0	0	0	0.40
39	5.56	0	0	0	0	0	0.92	0.8	0	0	0	0	0	0.13
46	2.35	0	0	0	0	0	0.39	1.5	0	0	0	0	0	0.25
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	27.83	18.75	14.85	8.18	1.9	0.76		1.63	1.62	1.67	1.78	2.5	2	

E-28

Table 17b: Population dynamics of *C. partellus* in Kharif maize at Karnal

HQPM 1	%infestation							No. of larvae/plant						
	Crop establishment (week interval)													
Crop age(days)	July I	July II	July III	July IV	Aug I	Aug II	M	July I	July II	July III	July IV	Aug I	Aug II	M
8	5.33	2.67	4	8	10	10	6.66	5.25	4	5	4.25	4	2.25	4.12
15	15.49	19.18	22.22	8.7	14.81	16.67	16.17	3.91	3.21	2.56	5.25	4.5	3.83	3.87
22	11.67	18.64	7.14	4.76	8.7	0	8.48	3.86	3.45	5.5	3	3	0	3.13
29	15.09	10.42	3.85	5	0	0	5.72	1.50	3.8	4	3.5	0	0	2.13
36	6.67	2.33	2	0	0	0	1.83	1.67	2	4	0	0	0	1.27
43	4.76	0	0	0	0	0	0.79	1.50	0	0	0	0	0	0.25
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	46.67	44	34.67	24	30	25		3.171 4	3.39	3.46	4.25	4	3.2	
HM 10	%infestation							No. of larvae/plant						
	Crop establishment (week interval)													
Crop age(days)	July I	July II	July III	July IV	Aug I	Aug II	M	July I	July II	July III	July IV	Aug I	Aug II	M
8	4	2.67	2.67	6	7.5	5	4.64	5.33	2.00	7.00	3.33	2.67	3.00	3.88
15	13.89	13.7	20.55	6.38	8.11	13.16	12.6	3.80	4.20	2.40	4.67	4.00	3.60	3.77
22	9.68	20.63	3.45	4.55	2.94	0	6.87	3.50	2.38	4.50	3.00	4.00	0.00	2.89
29	12.5	8	1.79	4.76	0	0	4.50	0.86	4.25	4.00	2.50	0	0	1.93
36	4.08	4.35	0	0	0	0	1.40 5	3.50	2.00	0	0	0	0	0.91
43	4.26	0	0	0	0	0	0.71	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	40	41.33	26.67	20	17.5	17.5		2.93	3.16	3.15	3.50	3.43	3.43	

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Table 17c: Population dynamics of *C. partellus* in Kharif maize at Delhi

HQP M-1	%infestation								No. of larvae/plant							
	Crop establishment (week interval)															
Crop age (days)	Jul y III	July IV	Aug I	Au g II	Aug III	Aug IV	Sept I	M	July III	July IV	Aug I	Aug II	Aug III	Aug IV	Sept I	M
10	5.00	5.13	0	1.47	0	0	0	1.65	4.67	4.00	0	0	0	0	0	1.23
18	3.64	6.49	4.00	0	1.39	0	0	2.21	2.00	2.50	2.33	3.00	1.00	0	0	1.54
25	1.92	5.48	1.43	0	4.23	0	1.41	2.06	0	1.33	1.00	3.00	0.33	0	4.0 0	1.38
32	6.00	0	1.45	0	0.00	0	0	1.06	0	0	3.00	0	0	0	0	0.42
39	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0.00	0	0.00	0	0	0	0	0	0	0	0	0	0	0
Total	15.0 0	10.26	6.67	5.88	5.56	0	1.41		2.00	1.63	2.20	3.00	0.75	0	4.0 0	
PMH- 1	%infestation								No. of larvae/plant							
	Crop establishment (week interval)															
Crop age(da ys)	Jul y III	July IV	Aug I	Au g II	Aug III	Aug IV	Sept I	M	July III	July IV	Aug I	Aug II	Aug III	Au g IV	Sept I	M
10	1.33	0	0	0	0	0	0	0.19	5.00	0	0	0	0	0	0	0.71
18	2.82	2.56	0	0	1.52	0	1.11	1.14	1.00	2.00	0	0	3.00	0	9.00	2.14
25	1.45	2.67	6.67	2.78	1.54	0	1.11	2.39	0	1.00	1.25	3.50	0	0	0	0.82
32	0	1.32	1.82	5.71	0	0	0	1.26	0	1.00	1.00	2.25	0	0	0	0.60
39	0	0	3.70	1.54	0	0	0	0.74	0	0	0.50	1.00	0	0	0	0.21
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5.33	6.41	11.67	9.72	2.99	0	2.22		1.75	1.40	1.00	2.43	1.50	0.0 0	4.50	

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Table 17d: Population dynamics of *C. partellus* in Kharif maize at Hyderabad

BML 6	%infestation								No. of larvae/plant							
	Crop establishment (week interval)															
	Crop age (days)	June III	June IV	July I	July II	July III	July IV	Aug I	M	Jun III	Jun IV	July I	July II	July III	July IV	Aug I	M
8	8.15	5.59	18.75	10.10	16.35	29.03	14.29	14.60	0	0	0	0	0.88	0.56	2.00	0.49
15	4.03	6.58	23.08	13.48	13.79	28.79	25.00	16.39	0	0	0	0	0.33	1.32	0.33	0.28
22	5.88	3.52	20.00	16.88	26.67	21.28	33.33	18.22	0	0	0	0.77	0.35	0.50	1.00	0.37
29	5.36	4.38	21.88	20.31	20.00	32.43	36.67	20.14	0	0	0	1.23	0.18	0.33	1.09	0.40
36	5.66	5.34	24.00	23.53	22.73	36.00	26.32	20.51	0	0	0	1.00	0.20	0.44	1.40	0.43
43	8.16	4.03	21.05	17.95	23.53	75.00	71.43	31.59	0	0	0.50	2.14	0.50	0.00	0.00	0.44
50	5.56	3.36	40.00	28.13	65.38	50.00	50.00	34.63	0	0	0	0.78	0.41	2.00	2.50	0.81
57	5.88	5.22	77.78	21.74	22.22	0	0	18.97	0.60	0	0	0.40	0	0	0	0.14
Total	6	32.30	96.88	81.82	93.27	97.85	97.14		0.06	0	0.03	0.77	0.42	0.63	0.94	
Antigua Gr.I	%infestation								No. of larvae/plant							
	Crop establishment (week interval)															
	Crop age(days)	June III	June IV	July I	July II	July III	July IV	Aug I	M	Jun III	Jun IV	July I	July II	July III	July IV	Aug I	M
8	1.52	4.27	7.96	6.73	14.29	19.79	12.36	9.56	0	0	0	0	0.50	0.53	1.36	0.34
15	2.31	6.37	5.77	5.15	9.72	22.08	10.26	8.80	0	0	0	0	1.00	0.41	0.75	0.30
22	3.94	4.08	5.1	6.52	15.38	21.67	14.29	10.14	0	0	0	0	0.30	0.23	0	0.07
29	3.28	3.55	8.6	10.47	18.18	14.89	13.33	10.32	0	0	0	0.89	0	0.14	0.63	0.23
36	3.39	3.68	7.06	12.99	20	12.5	11.54	10.16	0	0	0	0.80	0.22	0.20	0.67	0.27
43	3.51	3.05	6.33	11.94	22.22	8.57	10.87	9.49	0	0.30	0	0.50	0.38	0	0	0.16
50	2.7	2.36	6.76	10.17	35.71	28.13	17.07	14.7	0	0	0	0.83	0.20	0.22	0.57	0.26
57	3.7	4.84	11.59	13.21	0	0	0	4.76	0	0	0	0	0	0	0	0
Total	7	28.05	46.02	55.77	78.57	76.04	61.8		0	0	0	0.43	0.35	0.33	0.62	

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Table 17e: Population dynamics of *C. partellus* in Kharif maize at Udaipur

Pratap Makka - 3	% infestation							No. of larvae/plant						
	Crop establishment (week interval)													
Crop age(days)	July II	July III	July IV	Aug I	Aug II	Aug III	M	July II	July III	July IV	Aug I	Aug II	Au g III	M
24	10.00	8.16	10.7 7	10.77	13.46	15.38	11.42	1.17	1.50	1.29	1.20	1.43	1.1 7	1.29
31	7.41	6.67	6.90	6.90	11.11	0	6.49	1.50	1.00	1.00	1.25	1.40	0	1.02
38	2.00	2.38	1.85	1.85	0	0	1.346	1.00	1.00	1.00	1.50	0	0	0.75
45	4.08	4.88	1.89	1.89	0	0	2.12	1.00	1.50	1.00	0	0	0	0.58
52	2.13	2.56	0	0	0	0	0.78	2.00	1.00	0	0	0	0	0.5
59	2.17	0	0	0	0	0	0.36	1.00	0	0	0	0	0	0.16
66	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	25.00	22.45	20.0 0	20.31	23.08	15.38		1.27	1.27	1.15	1.31	1.42	1.1 7	
DHM 117	% infestation							No. of larvae/plant						
	Crop establishment (week interval)													
Crop age(days)	July II	July III	July IV	Aug I	Aug II	Aug III	M	July II	July III	July IV	Aug I	Aug II	Au g III	M
24	12.07	8.89	6.35	7.69	30.43	25.00	15.07	0.86	1.25	1.75	1.50	1.43	0.8 8	1.27
31	9.80	12.20	5.36	10.42	25.00	0	10.46	1.20	0.80	1.33	1.00	1.25	0	0.93
38	8.70	8.33	1.92	6.98	0	0	4.32	0.75	1.00	2.00	1.00	0	0	0.79
45	11.90	6.06	4.00	0	0	0	3.66	1.20	1.00	1.50	0	0	0	0.61
52	5.41	3.23	2.13	0	0	0	1.795	1.00	1.00	0	0	0	0	0.33
59	2.86	0	0	0	0	0	0.47	2.00	0	0	0	0	0	0.33
66	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	41.38	33.33	17.4 6	23.08	47.83	25.00		1.04	1.00	1.45	1.17	1.36	0.8 8	

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ET 7: Evaluation of Maize AICRP trials against *C. partellus* and *S. inferens* under artificial infestation for AVT I and II (Kolhapur & Hyderabad) during rabi 2016-17

Location: Kolhapur

Experimental details:

Trial No.	Trial Name	No. of entries / Repl.	Date of sowing	Date of germination	Date of infestation	Date of Observations
13	AVT –I-II (Late)	18/2	21/12/2016	29/12/2016	12/01/2017	12/02/2017
14	AVT –I-II (Medium-QPM)	22/2	21/12/2016	29/12/2016	10/01/2017	10/02/2017

Table 18: Mean LIR of AICRP entries (AVT –I-II Late) against *C. partellus* under artificial infestation during Rabi 2016-17 at Kolhapur

Trial No. 13- AVT –I-II (Late)

E. No.	IIMR Code	Entry name	Mean LIR	Category of Infestation
AVT I LATE				
1	IMR385	KMH-3981	2.7	Resistant
2	IMR386	DKC9177 (IP8572)	3.9	Moderately Resistant
3	IMR387	DKC9170 (IQ8579)	4.3	Moderately Resistant
4	IMR388	PM15202L	5.1	Moderately Resistant
5	IMR389	DKC9175(IP8514)	3.0	Resistant
6	IMR390	MM 2222	4.7	Moderately Resistant
7	IMR391	115-08-01	4.9	Moderately Resistant
8	IMR392	CP.808	3.7	Moderately Resistant
AVT-II-LATE				
9	IMR393	DKC 9165(IM8119)	5.7	Moderately Resistant
10	IMR394	PM14205L	4.4	Moderately Resistant
11	IMR395	NMH 1290	2.6	Resistant
12	IMR396	Rasi 394	3.7	Moderately Resistant
13	IMR397	Seedtech 2324 (C)	5.3	Moderately Resistant
14	IMR398	Buland(C)	2.9	Resistant
15	IMR399	Bio 9981(C)	4.1	Moderately Resistant
16	IMR400	P3522 (C)	3.4	Moderately Resistant
17	R-Check	CM 500	3.4	Moderately Resistant
18	S-Check	CM 202	5.5	Moderately Resistant

R: Resistant (LIR 1-3), MR: Moderately Resistant (LIR >3-6) , S: Susceptible (LIR >6-9)

E-33**Table 19: Mean LIR of AICRP entries (AVT –I-II Medium) against *C. partellus* under artificial infestation at Kolhapur during Rabi 2016-17****Trial No. 14- AVT –I-II (Medium maturity – Normal and QPM)**

E. No.	IIMR Code	Entry Name	Mean LIR	Category of Infestation
AVT-I-MEDIUM				
1	IMR411	DKC8171(IP8204)	4.2	Moderately Resistant
2	IMR412	BLH 109	4.7	Moderately Resistant
3	IMR413	HT 15066	4.7	Moderately Resistant
AVT-II MEDIUM				
4	IMR414	CP.222	4.7	Moderately Resistant
5	IMR415	BLH 101	2.7	Resistant
6	IMR416	PM142096M	4.3	Moderately Resistant
7	IMR417	HT 1412081	3.4	Moderately Resistant
8	IMR418	*Filler (against BH 412066)	4.9	Moderately Resistant
9	IMR419	BLH 102	4.2	Moderately Resistant
10	IMR420	HM 10 (C)	3.2	Moderately Resistant
11	IMR421	DHM 117 (C)	2.6	Resistant
12	IMR422	Bio 9544(C)	3.0	Resistant
13	IMR423	Bio 9637(C)	4.0	Moderately Resistant
QPM-I-II				
14	IMR424	IHQPM-0906	4.2	Moderately Resistant
15	IMR425	MMHQPM-6-12-13	2.9	Resistant
16	IMR426	VEHQ-15-1	5.5	Moderately Resistant
17	IMR427	MMHQPM-10-11-15	4.5	Moderately Resistant
18	IMR428	HQPM 1(C)	4.9	Moderately Resistant
19	IMR429	HQPM 5 (C)	5.4	Moderately Resistant
20	IMR430	HQPM 7 (C)	3.5	Moderately Resistant
21	R-Check	CM 500	2.6	Resistant
22	S-Check	CM 202	7.9	Susceptible

E-34**Table 20: Mean LIR of AICRP entries (Late Maturity) against *S. inferens* under artificial infestation at Hyderabad and Karnal during Rabi 2016-17**

S.No.	DMR Code	Entry Name	Mean LIR on 1-9 scale			Category of Infestation
			Hyderabad	Karnal	Mean	
AVT I LATE						
1	IMR 385	KMH-3981	5.0	6.75	5.88	S
2	IMR 386	DKC9177 (IP8572)	4.8	5.04	4.92	MR
3	IMR 387	DKC9170 (IQ8579)	4.5	3.35	3.93	MR
4	IMR 388	PM15202L	4.1	3.86	3.98	MR
5	IMR 389	DKC9175(IP8514)	4.2	3.39	3.80	MR
6	IMR 390	MM 2222	7.2	3.58	5.39	MR
7	IMR 391	115-08-01	5.3	2.73	4.02	MR
8	IMR 392	CP.808	5.9	6.73	6.32	S
AVT-II-LATE						
9	IMR 393	DKC 9165(IM8119)	6.0	4.75	5.38	MR
10	IMR 394	PM14205L	5.6	3.47	4.54	MR
11	IMR 395	NMH 1290	5.3	2.59	3.95	MR
12	IMR 396	Rasi 394	4.9	4.41	4.66	MR
13	IMR 397	Seedtech 2324 (C)	5.1	4.07	4.60	MR
14	IMR 398	Buland(C)	5.0	4.96	4.98	MR
15	IMR 399	Bio 9981(C)	4.3	2.78	3.54	MR
16	IMR 400	P3522 (C)	5.9	2.43	4.18	MR
17	R Check	CM 500	3.9	2.84	3.37	MR
18	S Check	CM 202	5.5	6.15	5.84	S

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Table 21: Mean LIR of AICRP entries (Medium Maturity) against *S. inferens* under artificial infestation at Hyderabad and Karnal during Rabi 2016-17

S.No.	Entry	Entry Name	Mean LIR on 1-9 scale			Category of Infestation
			Hyderabad	Karnal	Mean	
AVT-I-MEDIUM						
1	IMR 411	DKC8171(IP8204)	7.5	3.62	5.56	MR
2	IMR 412	BLH 109	7.7	3.28	5.49	MR
3	IMR 413	HT 15066	7.5	2.44	4.97	MR
AVT-II MEDIUM						
4	IMR 414	CP.222	7.9	6.83	7.37	S
5	IMR 415	BLH 101	6.8	2.61	4.71	MR
6	IMR 416	PM142096M	6.4	5.06	5.73	S
7	IMR 417	HT 1412081	7.2	2.49	4.85	MR
8	IMR 418	*Filler (against BH 412066)	6.4	3.53	4.97	
9	IMR 419	BLH 102	6.1	2.39	4.25	
10	IMR 420	HM 10 (C)	6.6	6.51	6.56	S
11	IMR 421	DHM 117 (C)	7.1	3.38	5.24	MR
12	IMR 422	Bio 9544(C)	6.6	3.62	5.11	MR
13	IMR 423	Bio 9637(C)	7.3	4.53	5.92	S
QPM-I-II						
14	IMR 424	IHQPM-0906	6.0	6.25	6.13	S
15	IMR 425	MMHQPM-6-12-13	7.6	3.59	5.60	MR
16	IMR 426	VEHQ-15-1	6.8	4.95	5.88	MR
17	IMR 427	MMHQPM-10-11-15	7.2	3.16	5.18	MR
18	IMR 428	HQPM 1(C)	6.6	2.02	4.31	MR
19	IMR 429	HQPM 5 (C)	8.0	3.30	5.65	MR
20	IMR 430	HQPM 7 (C)	7.3	3.14	5.22	MR
21	RCcheck	CM 500	5.4	2.93	4.17	MR
22	S Check	CM 202	-	6.07	6.07	S

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ET 8: Evaluation of maize inbred lines against *C. partellus* and *S. inferens* under artificial infestation (Kolhapur, Hyderabad & Karnal)

Table 22. Screening of maize inbred lines against *C. partellus* under artificial infestation during Rabi 2016-17 (Kolhapur)

Sr. No.	Pedigree	Mean LIR	Category of Infestation
1	AEB(Y)C534-1	2.0	Resistant
2	AEB(Y)C534-2	2.9	Resistant
3	AEB(Y)C534-3	2.3	Resistant
4	AEB(Y)C534-4	1.8	Resistant
5	AEB(Y)C538-1	4.3	Moderately Resistant
6	BCK/BC4	3.9	Moderately Resistant
7	CM 500	2.3	Resistant
8	DMR E 63	2.7	Resistant
9	DMR N1	5.1	Moderately Resistant
10	DMR N3	Not germinated	
11	EC440612	4.6	Moderately Resistant
12	EC598465	6.6	Susceptible
13	IIMR PBT POOL	2.5	Resistant
14	IIMR PBT SYNTHETIC	5.9	Moderately Resistant
15	IIMR SBT POOL	3.3	Moderately Resistant
16	WNC11R MPCZ 10 AA	1.9	Resistant
17	WNC11R MPCZ 5 AA	2.0	Resistant
18	WNCDMR11R 3120	2.5	Resistant
19	WNCDMR11R 1611	7.3	Susceptible
20	WNCDMR11R 4542	5.6	Moderately Resistant
21	WNCDMR11R 4585	2.4	Resistant
22	WNCDMR11R 4586	3.5	Moderately Resistant
23	WNCDMR11R 4787	2.1	Resistant
24	WNCDMR11R 5897	7.5	Susceptible
25	WNCDMR19RYDWS 1578	Not germinated	
26	WNCDMR19RYDWS 1941	2.2	Resistant
27	WNCDMR19RYDWS 2002	3.4	Moderately Resistant
28	WNCDMR19RYDWS1199A	7.4	Susceptible
29	WNCDMR19RYDWS2066	3.8	Moderately Resistant
30	WNCDMR19RYWS 1819	3.8	Moderately Resistant
31	WNCDMR11R5877	Not germinated	
32	WNCDMR11R5880	7.1	Susceptible
33	WNCDMR11R5881	3.1	Moderately Resistant
34	WNCDMR11R5888	2.5	Resistant
35	WNCDMR11R5895	6.0	Moderately Resistant
36	CM 300	6.1	Susceptible

Cont....

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S.no	Pedigree	Mean LIR	Category of Infestation
37	WNZPBTL 8	2.3	Resistant
38	Basilocal selection	2.2	Resistant

Table 23. Screening of maize inbred lines against *S. inferens* under artificial infestation during Rabi 2016-17 (Hyderabad and Karnal)

S. No.	DMR Code	Pedigree	Mean LIR on 1-9 scale			Category of Infestation
			Hyderabad	Karnal	Mean	
1	LET 1	AEB(Y)C534-1	7.95	2.33	5.14	MR
2	LET 2	AEB(Y)C534-2	7.35	6.46	6.91	S
3	LET 3	AEB(Y)C534-3	7.50	2.50	5.00	MR
4	LET 4	AEB(Y)C534-4	7.60	4.60	6.10	S
5	LET 5	AEB(Y)C538-1	8.10	4.11	6.13	S
6	LET 6	BCK/BC4	6.90	3.27	5.10	MR
7	LET 7	CM500	5.65	3.06	4.37	MR
8	LET 8	E 63	5.55	4.63	5.09	MR
9	LET 9	DMR N1	5.55	2.67	4.11	MR
10	LET 10	DMR N3	-	3.94	3.94	MR
11	LET 11	EC 440612	7.30	4.64	5.97	MR
12	LET 12	EC598465	6.70	6.04	6.37	S
13	LET 13	IIMR PBT POOL	6.45	2.55	4.50	MR
14	LET 14	IIMR PBT SYNTHETIC	7.65	2.84	5.25	MR
15	LET 15	IIMR SBT POOL	5.50	4.00	4.75	MR
16	LET 16	WNC 11R MPCZ 10AA	6.15	3.79	4.97	MR
17	LET 17	WNC 11R MPCZ 5AA	5.75	2.38	4.07	MR
18	LET 18	WNCDMR 11R 3120	4.90	6.47	5.69	MR
19	LET 19	WNCDMR 11R 1611	7.85	2.64	5.25	MR
20	LET 20	WNCDMR 11R 4542	8.40	6.84	7.62	S
21	LET 21	WNCDMR 11 R 4585	7.45	6.29	6.87	S
22	LET 22	WNCDMR 11 R 4586	7.05	2.63	4.84	MR
23	LET 23	WNCDMR 11 R 4787	7.30	4.70	6.00	S
24	LET 24	WNCDMR 11R 5897	7.40	2.80	5.10	MR
25	LET 25	WNCDMR 19RYDWS 1578	8.50	6.36	7.43	S
26	LET 26	WNCDMR19RYDWS 1941	6.00	-	6.00	S
27	LET 27	WNCDMR19RYDWS 2002	5.85	2.94	4.40	MR
28	LET 28	WNCDMR 19RYDWS 119A	7.70	4.39	6.05	S
29	LET 29	WNCDMR19RYDWS2066	6.15	4.04	5.10	MR
30	LET 30	WNCDMR19RYWS1819	7.25	4.90	6.08	S
31	LET 31	WNCDMR11R5877	-	5.16	5.16	MR
32	LET 32	WNCDMR 11R5880	6.80	6.08	6.44	S
33	LET 33	WNCDMR 11 R 5881	6.70	4.25	5.48	MR
34	LET 34	WNCDMR 11R5888	6.30	4.56	5.43	MR
35	LET 35	WNCDMR11R5895	6.10	2.54	4.32	MR
36	LET 36	CM 300	8.30	6.15	7.23	S
37	LET 37	WNZPBTL 8	6.70	4.06	5.38	MR
38	LET 38	Basilocal	8.9	4.61	6.76	S

R: Resistant LIR 1-3), MR: Moderately Resistant (LIR >3-6) , S: Susceptible (LIR >6-9)

E-38**ET 9: Evaluation of insecticides against Stem borer, *S. inferens* during Rabi 2016-17 (Hyderabad)****Table 24. Effect of insecticides on Leaf Injury Rating and Grain Yield**

S.No.	Insecticide	Dose	LIR Mean	Mean Grain yield/plot (kg) (3 x 3 m)
1	Chlorantriliprole 20 SC	0.3 ml/l	3.39	3.40
2	Chlorantriliprole 20 SC	0.4 ml/l	2.61	3.43
3	Flubendiamide 480 SC	0.1 ml/l	2.43	3.57
4	Flubendiamide 480 SC	0.2 ml/l	2.33	3.63
5	Novaluron 10EC	0.75 ml/l	3.85	3.23
6	Novaluron 10EC	1 ml/l	3.58	3.30
7	Deltamethrin 2.8 EC	0.4 ml/l	2.99	2.93
8	Deltamethrin 2.8 EC	0.8 ml/l	2.77	3.03
9	Monocrotophos 36 EC	1.6 ml/l	4.05	2.47
10	Control	Water spray	6.64	2.03
	CD (p=0.05)	-	0.68	0.65

E-39**ET 10: Evaluation of inbred lines against Sorghum shoot fly under natural infestation (Karnal and Delhi) 2nd year****Table 25. Screening of inbred lines against Sorghum shoot fly under natural infestation during Spring 2017 at Karnal and Delhi (2nd year)**

Sl. No	Pedigree No.	Mean % dead heart formation at 21 DAG		
		Karnal	Delhi	Mean
1	WNCDMR11R5881	28.96	0	14.48
2	WNCDMR11R5895	41.43	10	25.72
3	WNCDMR11R4787	64.51	53.57	59.04
4	BPT10	36.67	5	20.84
5	BPT5	25.17	13.64	19.41
6	WNCDMR19RYWS1819	40.18	33.33	36.76
7	AEB(Y)C534-1-5	51.92	12.5	32.21
8	EC440612	88.75	41.67	65.21
9	ACCNO.584542	43.56	20.20	31.88
10	ACCNO.584585	73.89	22.22	48.06
11	AEB(Y)C534-1-7	35.42	17.80	26.61
12	IIMR PBT POOL	55.77	10	32.89
13	WNZPBT 8	73.08	35	54.04
14	97P65BBB26B	33.18	4.55	18.87
15	AEB(Y)C534-1	57.01	5	31.02
16	BML14	36.67	18.75	27.71
17	DMR N6	76.04	35	55.52
18	CLQRCWQ02B6	54.17	12.69	33.43
19	CLQRCYQ42	57.27	28.64	42.96
20	CM117-3-4-1	52.27	18.75	35.51
21	CM118	36.88	4.17	20.53
22	CM142	42.17	15	28.59
23	CM501	37.86	7.14	22.5
24	CML162	35.90	12.5	24.2
25	CML292	53.57	20	36.79
26	CML298	77.84	23.64	50.74
27	CML312	48.33	8.33	28.33
28	CML336	55.77	10	32.90
29	CML338	44.10	5.56	24.83
30	CML420	46.43	11.11	28.77
31	CML485BBB	58.81	5	31.91
32	CM500	40.91	30.56	35.74

Cont..

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Sl. No	Pedigree No.	Mean % dead heart formation at 21 DAG		
		Karnal	Delhi	Mean
33	CML50	39.74	46.70	43.22
34	CML55BB	47.22	7.14	27.18
35	CML73	53.13	25	39.08
36	EC4400414	49.39	19.89	34.64
37	EC598464	14.64	8.57	11.61
38	EC672591	70.05	41.11	55.58
39	G18QC8-36	72.12	0	36.06
40	HKI287	58.04	14.58	36.31
41	HKI326-3	11.69	7.69	9.69
42	DMR N7	77.86	22.73	50.30
43	P63C2BBB17B	18.68	0	9.34
44	PFSR/51016-1	15.88	0	7.94
45	SO1SIYQBBB13B	16.25	0	8.14
46	HKI170(1+2)	81.94	22.53	52.24
47	DMSC28	71.04	20	45.52
48	HKIPCBT3	58.55	9.55	34.05
49	AEBY(1)	64.88	4.55	31.02

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ET 11: Evaluation of inbred lines against Sorghum shoot fly under natural infestation

(Delhi and Ludhiana)

Table 26. Screening of inbred lines against Maize shoot fly, *Atherigona naqvii* Steyskal under natural infestation using fish meal technique at Ludhiana during spring 2017 (1st Year)

S. No	Pedigree	Mean Leaf Injury (%) 21 days after germination (DAG)	Mean Dead hearts (%) 21 (DAG)	Mean Susceptible index (SI)	Reaction based on SI
1	CM 140⊗⊗	22.32	43.75	2.07	MR
2	CM-137⊗⊗	15.56	37.22	1.82	MR
3	CM-13⊗⊗	30.00	18.33	1.16	R
4	CM-212⊗⊗	40.38	36.22	1.60	MR
5	CML 292⊗⊗	16.11	41.67	1.74	MR
6	CML 9⊗⊗	36.54	34.13	1.58	MR
7	CML-224⊗⊗	10.80	38.64	1.94	MR
8	CML-238⊗⊗	15.00	65.00	2.06	MR
9	CML-306⊗⊗	27.50	37.50	1.65	MR
10	CML-342⊗⊗	23.72	44.55	2.45	S
11	CML-425⊗⊗	23.30	38.64	1.68	MR
12	CML-43⊗⊗	16.78	29.72	1.76	MR
13	CML-482⊗⊗	40.38	31.54	1.50	MR
14	CML-50⊗⊗	28.21	28.21	1.49	R
15	CML-73⊗⊗	33.44	43.18	1.81	MR
16	HEY Pool -2011-12-1-1-3-3-1⊗⊗	21.97	56.82	2.41	S
17	HEY Pool -2011-12-3-3-3-1-1⊗⊗	21.33	54.20	2.23	S
18	HEY Pool -2011-15-1-3-2-1-1⊗⊗	25.82	22.25	1.28	R
19	HEY Pool -2011-15-3-7-3-1-1⊗⊗	33.57	41.26	2.00	MR
20	HEY Pool -2011-19-1-1-1-1-1⊗⊗	23.64	42.73	2.00	MR
21	HEY Pool -2011-21-2-3-3-1-1⊗⊗	25.82	51.92	1.98	MR
22	HEY Pool -2011-25-6-1-3-1-1⊗⊗	24.04	36.22	2.00	MR
23	HEY Pool -2011-30-4-1-2-2-1⊗⊗	22.25	18.41	1.19	R
24	HEY Pool -2011-37-2-1-3-1-1⊗⊗	45.83	38.10	1.70	MR
25	HEY Pool -2011-5-4-1-1-2-1⊗⊗	26.10	32.97	1.61	MR
26	HEY Pool -2011-5-6-1-2-1⊗⊗	17.42	47.35	2.26	S
27	HEY POOL-2011-12-5SC-3-1-1⊗⊗	24.52	20.71	1.30	R
28	HEY Pool-2011-5-2-3-2-1-1⊗⊗	29.23	39.23	1.77	MR

Cont....

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S. No	Pedigree	Mean Leaf Injury (%) 21 days after germination (DAG)	Mean Dead hearts (%) 21 (DAG)	Mean Susceptible index (SI)	Reaction based on SI
29	IC-639445⊗⊗	17.21	45.13	2.20	S
30	IC-656142⊗⊗	28.57	32.14	1.64	MR
31	NAI-147⊗⊗	21.98	40.66	1.91	MR
32	NAI-175⊗⊗	32.05	32.05	1.59	MR
33	PFSR-10109⊗⊗	23.72	52.24	2.14	MR
34	PFSR-10116⊗⊗	42.86	39.29	1.66	MR
35	V 341⊗⊗	23.40	39.74	2.79	
36	VH 9-1-2-1-1⊗⊗	21.59	48.11	2.32	S
37	VH 9-2-1-1-1⊗⊗	35.90	43.91	1.99	MR
38	VH 9-3-2-1⊗⊗	29.72	38.11	1.80	MR
39	VQPM9-1-2-1⊗⊗	28.57	32.14	1.62	MR
40	VQPM9-2-1-3-1⊗⊗	25.00	35.71	1.73	MR
			Mean SI	1.84	
			SD	0.35	
			Range	1.49-2.19	
			Resistant MR	< 1.50	
			Susceptible	1.50-2.18	
				>2.18	

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Table 27. Screening of inbred lines against Maize shoot fly, *Atherigona soccata* Rondani under natural infestation using fish meal technique at Delhi during spring 2017 (1st Year)

S.No	PEDIGREE	Mean percent dead hearts
1	CM 14000	33.75
2	CM-13700	32.83
3	CM-1300	0
4	CM-21200	14.29
5	CML 29200	16.67
6	CML 900	16.67
7	CML-22400	20.83
8	CML-23800	25
9	CML-30600	16.67
10	CML-34200	80
11	CML-42500	50
12	CML-4300	0
13	CML-48200	22.22
14	CML-5000	23.75
15	CML-7300	33.93
16	HEY Pool -2011-12-1-1-3-3-100	53.57
17	HEY Pool -2011-12-3-3-3-1-100	56.25
18	HEY Pool -2011-15-1-3-2-1-100	14.09
19	HEY Pool -2011-15-3-7-3-1-100	29.29
20	HEY Pool -2011-19-1-1-1-1-100	30
21	HEY Pool -2011-21-2-3-3-1-100	37.78
22	HEY Pool -2011-25-6-1-3-1-100	46.43
23	HEY Pool -2011-30-4-1-2-2-100	11.11
24	HEY Pool -2011-37-2-1-3-1-100	14.58
25	HEY Pool -2011-5-4-1-1-2-100	16.96
26	HEY Pool -2011-5-6-1-2-100	17.86
27	HEY POOL-2011-12-5SC-3-1-100	3.85
28	HEY Pool-2011-5-2-3-2-1-100	13.89
29	IC-63944500	27.69
30	IC-65614200	25.17
31	NAI-14700	4.55
32	NAI-17500	9.09
33	PFSR-1010900	24.17
34	PFSR-1011600	9.09
35	V 34100	30.95
36	VH 9-1-2-1-100	24.23
37	VH 9-2-1-1-100	8.33

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S.No	PEDIGREE	Mean percent dead hearts
38	VH 9-3-2-1⊗⊗	32.73
39	VQPM9-1-2-1⊗⊗	23.57
40	VQPM9-2-1-3-1⊗⊗	12.14

Table 28. Survey and surveillance of maize growing areas during *kharif* 2017 from in Himachal Pradesh (Bajaura Centre)

District	Place	Date of Survey	Crop and its stage	Incidence of insect pests
Mandi	Gohar	June 22,2017	3-4 leaf stage	1.Cutworms-M 2.Shoot fly – T 3.Snails- L
	Basa	June 22,2017	3-4 leaf stage	1.Cutworms-L 2.Shoot fly - T
	Kuther	June 22,2017	2-3 leaf stage	Cutworms-T
	Kanda	June 22,2017	2 leaf stage	Cutworms-M
	Maviseri	June 22,2017	2 leaf stage	1.Cutworms-T 2. Snails-M
	Dodwan	June 22,2017	2 leaf stage	.Cutworms-T
	Leda	June 22,2017	2 leaf stage	Cutworms-T
	Meramaseet	June 22,2017	2 leaf stage	Cutworms-T
	Rathoha	July 7,2017	6-8 leaf stage	Shoot fly -M
	Chunan	July 7,2017	4-6 leaf stage	Shoot fly - L
Kullu	Balth	June 22,2017	2 leaf stage	Cutworms-T
	Mohini	July 2,2017	4-5 leaf stage	Snails- L
	Targali	July 2,2017	4-5 leaf stage	Cutworms-T
Hamirpur	Jibhi	July 2,2017	4-5 leaf stage	1.Snails- L 2.Cutworms-L
	Kadohta	July 4,2017	4-5 leaf stage	-
	Bani	July 4,2017	4-5 leaf stage	White grubs- L
	Patta	July 4,2017	4-5 leaf stage	-
	Barsar	July 4,2017	4-5 leaf stage	White grubs- L
Bilaspur	Lamlehli	July 4,2017	4-5 leaf stage	-
	Jhlera	July 4,2017	4-5 leaf stage	White grubs-T
	Dhamangali	July 4,2017	4-5 leaf stage	-
	Thanakalan	July 4,2017	4-5 leaf stage	-
Una	Malangar	July 4,2017	4-5 leaf stage	Shoot fly- L

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	Nanwan	July 4,2017	4-5 leaf stage	
	Dhundhala	July 4,2017	4-5 leaf stage	Shoot fly- T
	Dohagi	July 4,2017	4-5 leaf stage	Cutworms-T
	Bangana	July 4,2017	4-5 leaf stage	-

T= Traces, L=Low, M=Medium, H=High



BIOCHEMISTRY

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4.	EVALUATION OF MAIZE GERMPLASM DEVELOPED BY AICRP CENTRES FOR PROTEIN QUALITY	BC-23 to BC-26
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BIOCHEMISTRY

Maize is the third most important cereal crop of India, largely consumed in the states of Rajasthan, Bihar, Gujarat, Madhya Pradesh, Chhattisgarh, Punjab, Jammu and Himachal Pradesh among others. As per the latest estimates available maize production is going to cross 25 MT mark and with increasing production maize utilization pattern may also change in near future. Maize is becoming an important food crop both in the rural as well as in the urban segments of human populations. The mature maize kernel contains around 70% of starch. Maize is also a source of oil which is rich in essential fatty acids making it highly suitable for human consumption. Yellow maize is also a source of provitamin-A components such as β -carotene and cryptoxanthin as well as anti-oxidants such as zeaxanthin and lutein etc. Although maize kernel possesses a good quantity of protein (7-13%), the nutritional quality of maize protein is poor due to the deficiency of two essential amino acids, *viz.*, tryptophan and lysine and excess of leucine. The protein quality improvement in maize was initiated during early sixties after the discovery of *opaque-2* gene which is found to be associated with higher lysine and tryptophan content. The maize thus, produced was called *opaque-2* or quality protein maize (QPM), which contains almost double the quantities of lysine and tryptophan than normal maize. However, the *opaque-2* maize could not become popular as it is soft and chalky and is susceptible to insect and pest infestation and thus soon discarded by the farmers. The *opaque-2* maize was further improved for its agronomic characteristics and is transformed to the present day quality protein maize (QPM). QPM refers to maize homozygous for the *opaque-2* allele, with increased lysine and tryptophan concentrations and having hard or vitreous endosperm. QPM development requires precise analysis of protein quality of kernel endosperm and therefore, requires continuous support from biochemists. The biochemistry laboratory of ICAR-Indian Institute of Maize Research is the central analytical facility which helps in developing nutritionally improved maize, particularly, quality protein maize (QPM) cultivars across India. The laboratory facilitates the biochemical analysis of maize samples received from ICAR-IIMR as well as AICRP centres of ICAR and State Agricultural Universities. The laboratory is well equipped with state of the art instruments such as Ultra Performance Liquid Chromatography (UPLC), automated geltech, automatic solvent extractor system, vacuum concentrator, lyophilizer, NIRT, double beam spectrophotometer, polarimeter, etc. The laboratory meets the requirement for analysis of various biochemical parameters such as protein quality (protein, tryptophan and lysine), carbohydrate profile (starch, sugar, amylose and amylopectin), oil content and carotenoids etc.

During the period of 2017–2018 a large number of samples received under quality programme of AICRP as well as of the institute were analyzed for protein quality and other quality parameters as required. The detailed quality analysis is discussed below.

AICRP QPM Trial

During 2017-18, 6 entries consisting of one newly developed QPM hybrid and 5 checks under coordinated maize quality programme were grown at three locations, viz., Ludhiana, Delhi and Almora. The selfed maize ears collected from respective entries from each center was analyzed separately at the above mentioned three locations for protein quality parameters viz: protein, tryptophan and lysine. For this purpose the kernels were screened on the basis of opaqueness to select the representative sample. The endosperm was separated, defatted and processed for protein quality i.e. tryptophan and lysine content. As mentioned above the samples are analyzed at three laboratories and the data for protein, tryptophan and lysine are presented in Table 1, 2 and 3, respectively. For any samples to be categorized as QPM, the threshold concentration of lysine and tryptophan is to be ≥ 2.50 per cent and ≥ 0.6 per cent of endosperm protein, respectively. The entry FQH-106 possessed the required concentration of protein quality and recommended for consideration as QPM hybrid.

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Table 1: Protein content (%) of maize samples under coordinated QPM breeding programme

S. No	Name of entry	Analyzed at												Overall mean
		Ludhiana				Almora				Delhi				
		L	A	D	Mean	L	A	D	Mean	L	A	D	Mean	
1	FQH-106	9.11	7.7	8.12	8.31	8.17	9.81	8.80	8.93	9.66	9.40	9.38	9.48	8.91
2	HQPM 1 (C)	9.00	8.35	8.86	8.74	8.10	9.27	8.11	8.49	8.93	9.83	9.86	9.54	8.92
3	HQPM 4 (C)	9.36	7.36	7.72	8.15	8.25	9.74	8.77	8.92	9.27	9.18	9.38	9.28	8.78
4	HQPM 5 (C)	8.86	8.29	8.74	8.63	8.02	9.54	8.73	8.76	9.55	9.95	10.05	9.85	9.08
5	HQPM 7 (C)	7.92	7.17	8.85	7.98	8.37	9.78	8.57	8.91	10.26	9.09	8.81	9.39	8.76
6	APQH 9 (C)	9.54	7.96	8.96	8.82	8.29	9.75	8.85	8.96	9.30	9.19	9.20	9.23	9.00

L – Samples grown at Ludhiana center

A - Samples grown at Almora center

D - Samples grown at Delhi center

Table 2: Tryptophan content (% of endosperm protein) of maize samples under coordinated QPM breeding programme

S. No.	Name of entry	Analyzed at												Overall mean
		Ludhiana				Almora				Delhi				
		L	A	D	Mean	L	A	D	Mean	L	A	D	Mean	
1	FQH-106	0.68	0.88	0.74	0.77	0.77	0.68	0.77	0.74	0.76	0.76	0.88	0.80	0.77
2	HQPM 1 (C)	0.62	0.72	0.71	0.68	0.80	0.83	0.78	0.80	0.87	0.77	0.76	0.80	0.76
3	HQPM 4 (C)	0.62	0.71	0.68	0.67	0.76	0.73	0.75	0.75	0.84	0.89	0.81	0.85	0.76
4	HQPM 5 (C)	0.60	0.71	0.66	0.66	0.80	0.76	0.77	0.78	0.64	0.61	0.59	0.61	0.68
5	HQPM 7 (C)	0.69	0.86	0.67	0.74	0.78	0.69	0.77	0.75	0.75	0.81	0.82	0.79	0.76
6	APQH 9 (C)	0.63	0.78	0.64	0.68	0.76	0.72	0.78	0.75	0.83	0.82	0.86	0.84	0.76

L – Samples grown at Ludhiana center

A - Samples grown at Almora center

D - Samples grown at Delhi center

BC-4**Table 3: Lysine content (% of endosperm protein) of maize samples under coordinated QPM breeding programme**

S. No	Name of entry	Analyzed at												Overall Mean
		Ludhiana				Almora				Delhi				
		L	A	D	Mean	L	A	D	Mean	L	A	D	Mean	
1	FQH-106	2.81	3.78	3.26	3.28					3.33	3.23	3.54	3.37	3.33
2	HQPM 1 (C)	2.61	3.34	3.05	3.00					4.11	3.25	3.11	3.49	3.25
3	HQPM 4 (C)	2.69	3.19	2.92	2.93					3.66	4.13	3.61	3.80	3.37
4	HQPM 5 (C)	2.69	3.39	3.07	3.05					2.74	2.62	2.46	2.61	2.83
5	HQPM 7 (C)	2.84	3.89	3.13	3.29					3.63	4.21	3.73	3.86	3.58
6	APQH 9 (C)	2.74	3.67	2.69	3.03					3.88	3.12	3.53	3.51	3.27

L – Samples grown at Ludhiana center

A - Samples grown at Almora center

D - Samples grown at Delhi center

EVALUATION OF MAIZE GERMPLASM DEVELOPED BY ICAR-IIMR FOR PROTEIN QUALITY

QPM development requires continuous monitoring of protein quality and a strong support from biochemical laboratory is always needed. Simple analytical techniques were developed and used to analyze large number of samples in a rapid and efficient manner to provide results to the breeders in a timely fashion to make right decision at right the time of selection. Apart from providing analytical services in identifying quality hybrids in the AICRP trials, the biochemistry laboratories facilitates the quality analysis of maize germplasm received from breeders involved in QPM breeding in the institute. In the first set of experiment a total of 299 inbreds were analyzed for protein quality. The kernels were screened on the basis of opaqueness to select the representative sample. Out crossed as well as non uniform kernels were discarded. The endosperm was separated, defatted and processed for protein quality. The range of protein was 7.00 to 13.108 per cent with lowest and highest values being exhibited by the genotypes DQL 781-1-8-1-6-10 and DQL 781-1-3-2-3-4, respectively. The range of tryptophan was 0.31 (DQL 779-5-11-1-1) and 0.83 (DQL 644-2-1-1-6-7) (Table 4). Out of this stock only 27 lines were found to possess the threshold concentrations of tryptophan ($\geq 0.6\%$ of endosperm protein) required for QPM breeding.

Table 4: Protein quality of maize inbreds received IIMR, Ludhiana

S. No	Pedigree	100 k.wt.	S. G.	Protein (%)	Tryptophan (% of end. protein)
1.	DQL 769-1-5-1-9	21.28	1.12	8.22	0.46
2.	DQL 769-1-5-1-10	23.07	1.09	8.62	0.40
3.	DQL 769-1-5-1-13	21.72	1.08	11.57	0.38
4.	DQL 769-1-5-1-17	22.8	1.14	8.24	0.46
5.	DQL 771-8-14-6-1	16.09	1	8.97	0.61
6.	DQL 771-8-14-6-2	19.62	1.03	11.36	0.43
7.	DQL 771-8-14-6-9	25.06	1.31	10.7	0.42
8.	DQL 771-8-14-6-12	21.31	1.52	9.65	0.61
9.	DQL 771-8-14-6-22	23.95	1.19	11.36	0.45
10.	DQL 786-6-1-1-1	22.56	1.18	10.39	0.54
11.	DQL 786-6-1-1-9	21.9	1.09	9.55	0.44
12.	DQL 787-6-4-3-3	21.9	1.04	11.2	0.43
13.	DQL 787-6-4-3-7	18.79	0.93	9.4	0.41
14.	DQL 787-6-10-4-7	19.21	1.37	8.94	0.46
15.	DQL 787-6-10-4-10	18.97	1.58	8.47	0.43
16.	DQL 621-4-10-7-4	25.51	1.27	9.04	0.44
17.	DQL 621-9-7-2-6	31.7	1.09	7.57	0.37

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18.	DQL 629-1-4-4-14	21.9	1.09	7.72	0.52
19.	DQL 629-1-4-4-16	20.52	1.46	8.12	0.46
20.	DQL 74-1-1B-4-5	24.71	1.12	7.05	0.64
21.	DQL 366-1-1C-1-2	17.34	1.44	11.84	0.57
22.	DQL 366-1-1C-2-2	16.41	1.36	7.55	0.47
23.	DQL 644-1-1-1-8	16.25	1.62	9.17	0.53
24.	DQL 634-5-4-1-5	22.05	1.84	8.63	0.42
25.	DQL 681-3-1-1-5	18.58	1.85	10.49	0.39
26.	DQL 813-2-2	27.44	1.14	8.43	0.54
27.	DQL 502-14-1-2-3	30.31	1.01	9.92	0.52
28.	DQL 502-14-1-7-4	26.7	1.11	8.39	0.44
29.	DQL 502-14-1-7-5	26.23	1.19	9.76	0.41
30.	DQL 502-14-1-7-8	24.84	1.18	8.72	0.46
31.	DQL 621-1-7-3-4-6	20.9	1.04	9.84	0.42
32.	DQL 621-1-7-3-4-8	18.2	1.3	7.62	0.47
33.	DQL 621-1-7-3-4-9	17.03	1.06	8.86	0.52
34.	DQL 644-2-1-1-6-3	15.29	1.09	11.08	0.51
35.	DQL 644-2-1-1-6-7	10.83	1.08	12.08	0.83
36.	DQL 644-2-1-1-7-2	17.08	1.22	11.58	0.65
37.	DQL 644-2-1-1-7-7	18.68	1.16	8.02	0.63
38.	DQL 644-2-1-1-7-10	14.82	1.23	10.24	0.05
39.	DQL 650-15-5-2-5-3	19.8	1.04	10.78	0.48
40.	DQL 650-15-5-2-5-7	19.92	1.24	11.24	0.48
41.	DQL 650-15-5-2-5-8	17.43	1.45	11.63	0.41
42.	DQL 721-1-2-2-1-7	19.43	1.02	11.65	0.76
43.	DQL 727-1-3-1-1-3	19.9	1.24	11.02	0.46
44.	DQL 727-1-3-1-2-9	20.03	1.43	10.05	0.52
45.	DQL 772-1-4A-1-3-6	15.57	1.11	11.49	0.43
46.	DQL 772-1-4A-1-5-3	22.23	1.17	9.57	0.39
47.	DQL 772-1-4A-1-8-3	17.3	1.08	9.49	0.35
48.	DQL 772-1-4A-1-9-2	16.99	1.21	9.98	0.35
49.	DQL 772-1-4A-1-9-3	14.53	1.32	8.89	0.62
50.	DQL 772-1-4A-1-9-5	26.12	1.18	9.45	0.44
51.	DQL 772-1-4A-1-9-7	24.97	1.24	11.69	0.40
52.	DQL 772-1-4A-1-10-1	20.79	1.29	9.56	0.38
53.	DQL 772-1-4A-1-10-5	25.8	1.17	10.42	0.61
54.	DQL 772-1-4-1-3-4	22.19	1.1	12.11	0.36
55.	DQL 772-2-6-1-8-10	23.24	1.16	10.44	0.33
56.	DQL 773-1-2-1-1-3	18.65	1.16	9.67	0.34

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57.	DQL 773-1-2-1-1-6	18.74	1.33	10.97	0.47
58.	DQL 773-1-2-1-1-7	24.62	1.23	10.24	0.61
59.	DQL 774-18-2-1-2-1	31.84	1.22	9.45	0.52
60.	DQL 774-18-2-1-2-4	19.72	1.2	8.64	0.66
61.	DQL 774-18-2-1-2-5	26.66	1.11	9.39	0.48
62.	DQL 774-18-2-1-3-2	17.42	1.24	10.96	0.40
63.	DQL 774-18-2-1-3-4	28.42	1.29	10.15	0.37
64.	DQL 774-18-2-1-3-6	27.1	1.23	8.01	0.39
65.	DQL 774-18-2-1-4-1	27.67	1.15	11.23	0.37
66.	DQL 774-18-2-1-5-2	16.74	1.04	10.7	0.47
67.	DQL 774-18-1A-2-1-2	28.82	1.2	11.77	0.37
68.	DQL 774-18-1A-2-4	23.13	1.05	11.25	0.42
69.	DQL 774-18-1A-2-1-5	21.56	1.13	9	0.51
70.	DQL 774-18-1A-2-1-6	21.08	1.1	12.06	0.37
71.	DQL 774-18-1A-2-4-3	31.91	1.07	11.26	0.50
72.	DQL 779-5-6-1-2	21.17	1.05	10.34	0.35
73.	DQL 779-5-6-1-3	17.83	1.14	10.25	0.45
74.	DQL 779-5-6-1-4	21.46	1.12	9.52	0.60
75.	DQL 779-5-6-2-2	20.99	1.04	9.42	0.63
76.	DQL 779-5-6-5-1	22.78	1.03	9.7	0.57
77.	DQL 779-5-6-5-2	20.44	1.07	10.69	0.35
78.	DQL 779-5-6-5-5	21.71	1.08	8.95	0.65
79.	DQL 779-5-6-7-4	17.64	1.26	10.34	0.38
80.	DQL 779-5-6-7-5	22.98	1.04	10.19	0.6
81.	DQL 779-5-8-1-4	16.99	1.06	10.86	0.41
82.	DQL 779-5-8-4-1	21.03	1.05	10.32	0.57
83.	DQL 779-5-8-4-2	19.64	1.03	10.41	0.43
84.	DQL 779-5-8-4-4	16.71	1.39	9.49	0.37
85.	DQL 779-5-8-4-3	16.02	1.14	9.85	0.38
86.	DQL 779-5-8-4-5	20.7	1.09	10.64	0.43
87.	DQL 779-5-8-4-7	21.14	1.05	11.63	0.32
88.	DQL 779-5-11-1-1	18.77	1.34	10.48	0.31
89.	DQL 779-5-11-1-3	17.12	1.07	9.45	0.48
90.	DQL 779-5-11-1-4	20.61	1.03	9.05	0.43
91.	DQL 779-5-11-2-2	17.31	1.08	9.5	0.35
92.	DQL 779-5-11-2-4	14.47	1.2	8.82	0.5
93.	DQL 779-5-11-2-5	21.78	1.08	10.38	0.42
94.	DQL 779-5-11-2-6	17.31	1.23	11.09	0.6
95.	DQL 779-5-11-2-8	22.89	1.09	12.37	0.36

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96.	DQL 779-5-11-2-10	16.81	1.05	10	0.38
97.	DQL 779-5-11-3-1	17	1.21	11.24	0.50
98.	DQL 779-5-11-3-2	15.69	1.21	9.85	0.32
99.	DQL 779-5-11-3-5	20.23	1.06	10.5	0.51
100.	DQL 779-5-11-5-3	16.66	1.19	8.1	0.35
101.	DQL 779-5-11-5-6	22.53	1.12	10.68	0.45
102.	DQL 779-5-11-5-10	20.45	1.27	8.94	0.43
103.	DQL 779-5-11-5-12	20.01	1.25	10.8	0.36
104.	DQL 779-5-12-1-1	21.4	1.33	11.61	0.35
105.	DQL 779-5-12-2-4	22.26	1.17	10.2	0.32
106.	DQL 779-5-12-3-4	19.47	1.39	10.62	0.44
107.	DQL 779-5-12-4-2	22.98	1.2	9.41	0.46
108.	DQL 779-5-12-4-3	26.18	1.19	10.58	0.48
109.	DQL 779-5-12-4-11	17.27	1.43	9.69	0.35
110.	DQL 779-2-3-3-5-6	20.19	1.55	9.93	0.42
111.	DQL 779-2-3-3-6-2	22.98	1.14	11.8	0.35
112.	DQL 779-2-3-3-7-2	24.1	1.9	10.89	0.54
113.	DQL 779-2-3-3-7-1	19.8	1.41	10.12	0.52
114.	DQL 779-2-3-3-8-3	20.89	1.09	8.86	0.43
115.	DQL 779-2-3-3-8-6	16.02	1.33	10.14	0.33
116.	DQL 779-2-3-3-8-9	18.42	1.31	10.3	0.38
117.	DQL 779-13-5-1-1-4	15.97	1.33	8.3	0.52
118.	DQL 779-13-5-1-1-7	22.75	1.19	9.53	0.44
119.	DQL 779-13-5-1-1-8	13.89	1.15	10.54	0.43
120.	DQL 779-13-5-1-1-11	16.54	1.18	10.89	0.41
121.	DQL 779-13-5-1-1-12	18.63	1.33	10.8	0.48
122.	DQL 779-13-5-1-4-1	18.86	1.17	10.31	0.42
123.	DQL 779-13-5-1-6-1	20.44	1.02	9.36	
124.	DQL 779-13-5-1-6-2	20.9	1.04	8.8	0.6
125.	DQL 779-13-5-1-6-3	22.89	1.14	9.4	0.45
126.	DQL 779-13-5-1-6-4	19.36	1.08	10.74	0.55
127.	DQL 779-13-5-1-6-5	20.29	1.44	10.06	0.41
128.	DQL 779-13-5-1-6-6	23.6	1.24	10.44	0.38
129.	DQL 779-13-5-1-6-8	21.03	1.21	10.89	0.41
130.	DQL 779-13-5-1-9-1	21.18	1.51	10.41	0.48
131.	DQL 779-13-5-1-9-5	23.23	1.16	10.82	0.45
132.	DQL 779-13-5-1-9-11	22.24	1.11	10.89	0.37
133.	DQL 779-13-5-1-12-3	18.8	1.17	11.02	0.4
134.	DQL 779-13-5-1-12-4	16.64	1.38	10.82	0.48

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135.	DQL 779-13-5-1-12-6	22.69	1.62	10.94	0.36
136.	DQL 779-15-2-1-1-1	26.08	1.24	10.84	0.43
137.	DQL 779-15-2-1-1-2	21.8	1.55	11.25	0.41
138.	DQL 779-15-2-1-1-3	19.84	1.52	11.69	0.45
139.	DQL 779-15-2-1-1-4	18.48	1.54	11.75	0.48
140.	DQL 779-15-2-1-1-5	17.61	1.46	10.99	0.4
141.	DQL 779-15-2-1-2-2	25.89	1.29	8.99	0.42
142.	DQL 779-15-2-1-2-3	25.55	1.27	9.5	0.48
143.	DQL 779-15-2-1-2-4	24.89	1.24	11.63	0.41
144.	DQL 779-15-2-1-4-5	23.05	1.15	10.5	0.42
145.	DQL 779-15-2-1-4-8	27.19	1.29	9.53	0.49
146.	DQL 779-15-2-1-5-3	24.49	1.22	9.96	0.43
147.	DQL 779-15-2-1-5-6	31.09	1.41	9.82	0.42
148.	DQL 779-15-2-1-5-7	27.56	1.25	9.54	0.5
149.	DQL 779-15-2-1-6-4	23.87	1.14	9.26	0.47
150.	DQL 781-1-3-2-2-1	19.62	1.23	10.17	0.42
151.	DQL 781-1-3-2-1-2	17.77	1.48	10.4	0.47
152.	DQL 781-1-3-2-2-4	26.29	1.2	9.66	0.42
153.	DQL 781-1-3-2-3-4	20.32	1.27	13.08	0.48
154.	DQL 781-1-3-2-3-9	20.96	1.5	10.2	0.47
155.	DQL 781-1-3-2-4-1	20.17	1.26	11.65	0.49
156.	DQL 781-1-3-2-4-7	20.15	1.44	10.23	0.47
157.	DQL 781-1-3-2-4-10	21.77	1.09	11.52	0.44
158.	DQL 781-1-6-1-1-2	23.17	1.29	9.34	0.48
159.	DQL 781-1-6-1-1-5	20.14	1.44	9.24	0.45
160.	DQL 781-1-6-1-2-2	23.68	1.18	11.12	0.41
161.	DQL 781-1-6-1-2-3	20.61	1.03	9.86	0.44
162.	DQL 781-1-6-1-8-5	20.53	1.03	9.22	0.46
163.	DQL 781-1-6-1-9-2	21.62	1.13	11.13	0.54
164.	DQL 781-1-6-1-9-4	24.89	1.03	10.5	0.49
165.	DQL 781-1-6-1-10-3	23.19	1.15	10.29	0.5
166.	DQL 781-1-6-2-5-4	23.15	1.15	9.55	0.45
167.	DQL 781-1-6-2-5-10	26.83	1.11	9.61	0.52
168.	DQL 781-1-6-2-5-14	19.31	1.2	11.05	0.38
169.	DQL 781-1-6-2-5-15	19.89	1.04	10.09	0.42
170.	DQL 781-1-6-2-5-16	25.36	1.05	11.69	0.42
171.	DQL 781-1-6-2-6-4	20.34	1.45	9.53	0.44
172.	DQL 781-1-6-2-6-6	23.81	1.08	11.62	0.36
173.	DQL 781-1-6-2-9-9	24.96	1.13	9.88	0.55

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174.	DQL 781-1-6-2-9-11	18.08	1.29	9.88	0.41
175.	DQL 781-1-6-2-9-12	25.96	1.18	11.68	0.46
176.	DQL 781-1-6-2-9-13	18.28	1.14	10.86	0.48
177.	DQL 781-1-6-2-9-16	19.05	1.02	12.44	0.36
178.	DQL 781-1-6-2-9-17	26.53	1.2	9.16	0.48
179.	DQL 781-1-6-2-10-9	19.29	1.2	10	0.37
180.	DQL 781-1-6-2-12-1	26.59	1.39	10.09	0.44
181.	DQL 781-1-8-1-1-1	23.9	1.08	11.89	0.36
182.	DQL 781-1-8-1-1-5	25.86	1.29	9.58	0.49
183.	DQL 781-1-8-1-2-5	25.73	1.16	12.32	0.51
184.	DQL 781-1-8-1-3-4	20.06	1.05	11.91	0.36
185.	DQL 781-1-8-1-3-6	18.94	1.18	9.78	0.4
186.	DQL 781-1-8-1-6-5	22.24	1.11	10.21	0.51
187.	DQL 781-1-8-1-6-8	29.04	1.21	7.42	0.5
188.	DQL 781-1-8-1-6-10	19.39	1.02	7	0.6
189.	DQL 781-1-8-1-6-16	24.5	1.11	10.11	0.48
190.	DQL 781-1-8-3-1-2	20.99	1.04	11.72	0.48
191.	DQL 781-1-8-3-1-4	26.13	1.18	10.27	0.6
192.	DQL 781-1-8-3-1-6	23.73	1.07	11.73	0.4
193.	DQL 781-1-8-3-2-4	24	1.45	12.01	0.47
194.	DQL 781-1-8-3-2-5	16.53	1.37	10.8	0.49
195.	DQL 781-1-8-3-2-7	23.3	1.22	10.31	0.48
196.	DQL 782-6-2-1-1-5	28.3	1.28	10.21	0.38
197.	DQL 782-6-2-1-1-11	20.1	1.25	9.88	0.46
198.	DQL 782-6-2-4-1-1	23	1.15	9.17	0.47
199.	DQL 782-6-2-4-1-3	25.45	1.27	7.84	0.49
200.	DQL 782-6-2-4-2-3	20.77	1.29	11.59	0.33
201.	DQL 782-6-2-4-4-2	26.55	1.1	12.12	0.39
202.	DQL 782-6-2-4-4-7	18.28	1.3	9.23	0.46
203.	DQL 782-6-2-4-4-10	24.28	1.21	11.65	0.42
204.	DQL 782-6-2-4-4-13	25.67	1.16	9.39	0.5
205.	DQL 783-5-3-1-1-1	21.69	1.08	9.23	0.38
206.	DQL 783-5-3-1-1-2	20.81	1.3	8.7	0.46
207.	DQL 783-5-3-1-8-1	28.32	1.17	8.69	0.41
208.	DQL 783-5-3-1-8-3	23.7	1.18	10.09	0.55
209.	DQL 783-5-3-1-8-15	26.15	1.08	10.24	0.41
210.	DQL 783-5-3-1-3-5	18.65	1.33	10.72	0.4
211.	DQL 783-5-3-1-4-4	27.23	1.23	9.28	0.41
212.	DQL 783-5-3-1-4-8	15.71	1.3	8.01	0.48

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213.	DQL 783-5-3-1-4-9	22.02	1.37	9.31	0.41
214.	DQL 783-5-3-1-6-3	24.37	1.07	9.44	0.6
215.	DQL 783-5-3-1-8-2	19.14	1.36	11.63	0.39
216.	DQL 783-31-12-2-2-2	31.91	1.22	10.85	0.32
217.	DQL 783-31-12-2-2-4	24.72	1.28	10.29	0.45
218.	DQL 783-31-12-2-3-5	17.27	1.57	10.51	0.47
219.	DQL 783-31-12-2-3-8	19.22	1.37	9	0.51
220.	DQL 783-31-12-2-3-9	24.03	1.09	11.22	0.47
221.	DQL 783-31-15-10-2-4	16.52	1.18	13.06	0.41
222.	DQL 783-31-15-10-2-6	19.44	1.02	9.97	0.45
223.	DQL 783-31-15-10-2-7	17.86	1.48	9.37	0.77
224.	DQL 783-31-15-10-2-9	13.86	1.15	11.8	0.53
225.	DQL 783-31-15-10-2-10	21.87	1.15	9.52	0.38
226.	DQL 783-31-15-10-2-11	18.01	1.5	10.43	0.41
227.	DQL 783-31-15-10-4-1	22.41	1.4	10.76	0.4
228.	DQL 783-31-15-10-4-2	17.73	1.26	8.06	0.46
229.	DQL 783-31-15-10-4-5	15.45	1.4	10.94	0.34
230.	DQL 783-31-15-10-4-7	22.12	1.1	9.94	0.5
231.	DQL 783-31-15-10-4-8	17.19	1.43	9.63	0.4
232.	DQL 783-31-15-10-4-10	14.15	1.28	11.08	0.31
233.	DQL 783-31-15-10-4-11	20.88	1.04	10.23	0.32
234.	DQL 785-1-5-9-1-2	24.75	1.23	9.62	0.42
235.	DQL 785-1-5-9-1-10	22.6	1.61	8.81	0.46
236.	DQL 785-1-5-9-1-11	16.25	1.01	8.75	0.34
237.	DQL 785-1-5-9-2-1	26.2	1.37	9.64	0.34
238.	DQL 787-6-9-1-7-3	22.88	1.63	9.15	0.48
239.	DQL 787-6-9-1-7-4	22.98	1.04	9.49	0.33
240.	DQL 787-6-9-1-8-3	21.43	1.12	9.56	0.42
241.	DQL 787-6-9-1-8-5	21.56	1.02	9.2	0.44
242.	DQL 787-6-9-1-8-6	25.28	1.58	9.48	0.36
243.	DQL 787-6-9-1-8-11	21.78	1.36	10.24	0.35
244.	DQL 787-5-3-1-1-1	20.5	1.28	9.79	0.36
245.	DQL 787-5-3-1-1-2	22.47	1.12	9.24	0.41
246.	DQL 787-5-3-1-1-4	17.9	1.49	9.41	0.36
247.	DQL 787-5-3-1-1-6	17.99	1.49	10.97	0.39
248.	DQL 787-5-3-1-1-8	12.85	1.28	9.28	0.49
249.	DQL 787-5-3-1-1-11	24.06	1.2	8.98	0.45
250.	DQL 787-5-3-1-1-12	19.42	1.38	8.68	0.36
251.	DQL 787-5-3-1-1-14	19.46	1.62	10.46	0.48

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252.	DQL 787-5-3-1-1-15	21.78	1.08	9.8	0.34
253.	DQL 787-5-3-1-1-16	12.33	1.12	8.93	0.48
254.	DQL 787-5-3-1-4-2	28.1	1.27	11.66	0.44
255.	DQL 787-5-3-1-4-4	24.11	1.14	12.89	0.33
256.	DQL 787-5-3-1-4-5	17.35	1.23	9.83	0.41
257.	DQL 787-5-3-1-4-6	23.19	1.22	10.13	0.63
258.	DQL 787-5-3-1-4-7	25.22	1.14	11.3	0.42
259.	DQL 787-5-3-8-1-1	22.18	1.05	9.79	0.44
260.	DQL 787-5-3-8-1-6	27.87	1.74	10.16	0.46
261.	DQL 787-5-3-8-1-7	21.7	1.35	10.37	0.46
262.	DQL 790-2-4-2-4-6	24.36	1.28	11.33	0.36
263.	DQL 593-1-4-1-2-3	22.69	1.13	11.26	0.42
264.	DQL 597-2-4-8-3-2	15.16	1.26	12.09	0.39
265.	DQL 597-2-4-8-3-4	27.12	1.29	10.9	0.43
266.	DQL 602-5-1-9-2	17.46	1.48	12.69	0.44
267.	DQL 609-3-4-15-2-2	18.78	1.17	10.18	0.46
268.	DQL 614-1-1-1-3-1	17.75	1.47	10.31	0.47
269.	DQL 614-1-1-1-3-3	18.42	1.31	10.99	0.46
270.	DQL 614-1-1-1-3-4	22.13	1.38	9.97	0.45
271.	DQL 614-1-1-1-4-7	14.83	1.23	7.53	0.72
272.	DQL 614-1-1-1-6-5	13.6	1.23	10.46	0.6
273.	DQL 614-1-1-1-7-3	17.5	1.45	9.5	0.43
274.	DQL 614-1-1-1-7-9	19.58	1.78	9.12	0.52
275.	DQL 614-1-1-7-4-3	18	1.05	10.07	0.5
276.	DQL 614-1-1-7-4-7	20.2	1.26	10.53	0.45
277.	DQL 614-1-1-11-1-1	17.59	1.46	7.83	0.53
278.	DQL 614-1-1-12-3-5	21.21	1.06	9.57	0.48
279.	DQL 614-3-2-2-1-6	21.06	1.1	9.15	0.46
280.	DQL 614-3-2-3-1-4	18.17	1.29	8.9	0.47
281.	DQL 621-1-1-B-1-1	20.55	1.28	9.97	0.45
282.	DQL 623-5-8-4-1-4	27.53	1.31	8.44	0.54
283.	DQL 626-2-2-1-1-2	27.96	1.27	9.73	0.66
284.	DQL 626-2-2-1-1-6	18.32	1.52	8.15	0.44
285.	DQL 626-2-2-2-1-2	28.96	1.31	8.92	0.62
286.	DQL 626-2-2-2-2-1	16.7	1.19	10.87	0.42
287.	DQL 626-2-2-2-2-3	20.3	1.06	10.06	0.41
288.	DQL 626-2-2-2-2-4	21.09	1.31	9.35	0.49
289.	DQL 626-2-2-2-2-5	18.81	1.34	10.42	0.44
290.	DQL 626-2-2-3-2-5	19.76	1.23	9.9	0.52

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291.	DQL 626-2-2-2-1-2	22.32	1.01	10.16	0.47
292.	DQL 626-2-2-2-1-2	19.84	1.41	8.52	0.51
293.	DQL 634-4-3-11-4	29.07	1.21	8.6	0.6
294.	DQL 635-1-1-1-2	25.22	1.14	8.28	0.53
295.	DQL 635-1-1-2-2	22.62	1.19	9.5	0.43
296.	DQL 635-1-1-2-3	13.95	1.16	10.49	0.37
297.	DQL 635-1-1-2-7	15.52	1.29	8.47	0.5
298.	DQL 635-1-1-2-8	18.59	1.16	9.8	0.4
299.	DQL 635-1-1-2-10	23.44	1.06	11.73	0.47

S.G. : Specific gravity; 100 k.wt. : 100 kernel weight

In another set of experiment a total of 319 inbreds were analyzed for protein quality. Kernels were screened on the basis of opaqueness to select the representative samples. Out crossed as well as non uniform kernels were discarded. The endosperm was separated, defatted and processed for protein quality. The range of protein was 6.69 to 13.89 per cent with lowest and highest values being exhibited by the genotypes DQL 2272 and DQL 708-8-1-3, respectively. The range of tryptophan was 0.32 (DQL 506-4-1-4) and 1.08 (DQL 2064) (Table 5). A large number of lines (158) out of this stock were found to possess the threshold concentrations of tryptophan ($\geq 0.6\%$ of endosperm protein) required for QPM breeding.

Table 5: Protein quality of maize inbreds received IIMR, Ludhiana

S. No	Pedigree	100 k.wt.	S. G.	Protein (%)	Tryptophan (% of end. protein)
1.	DQL 2002	13.8	1.25	10.27	0.6
2.	DQL 2002-1	19.53	1.08	9.03	0.61
3.	DQL 2003	19.46	1.08	10.14	0.66
4.	DQL 2004-1	22.5	1.23	9.16	0.45
5.	DQL 2005	25.59	1.27	8.38	0.52
6.	DQL 2007	22.22	1.05	8.4	0.63
7.	DQL 2009	24.55	1.11	10.14	0.48
8.	DQL2010	14.58	1.21	9.37	0.71
9.	DQL2011-1	25.71	1.16	9.81	0.44
10.	DQL 2012	14.11	1.28	9.52	0.49
11.	DQL 2013	20.56	1.02	9.17	0.68
12.	DQL 2017-1	18.79	1.17	10.89	0.46
13.	DQL 2017-2	25.03	1.13	9.47	0.64
14.	DQL 2017-3	26.67	1.11	7.78	0.69
15.	DQL 2004	19.27	1.2	9.16	0.46
16.	DQL 2004-2	14.71	1.2	9.15	0.75

BC-14

17.	DQL 2007-2	17.9	0.94	11.17	0.46
18.	DQL 2011	22.5	1.07	10.87	0.54
19.	DQL 2014	17.47	1.24	9.44	0.54
20.	DQL 2016-1	17.74	1.26	8.72	0.43
21.	DQL 2017-1-1	21.78	1.14	8.74	0.59
22.	DQL 2020	17.56	1.09	10.69	0.55
23.	DQL 2024	17.09	1.22	8.84	0.62
24.	DQL 2027	20.01	1	10.22	0.6
25.	DQL 2028	19.03	1.35	8.23	0.64
26.	DQL 2029	22.58	1.12	7.3	0.58
27.	DQL 2029-1	22.13	1.16	8.17	0.62
28.	DQL 2030	22.39	1.11	8.82	0.6
29.	DQL 2031-1	22.73	1.9	8.54	0.62
30.	DQL 2032	17.46	1.93	11.25	0.74
31.	DQL 2032-1	17.66	1.23	12.27	0.61
32.	DQL 2034	20.65	1.14	8.23	0.6
33.	DQL 2035	18.4	1.02	8.2	0.63
34.	DQL 2037	18.07	1.29	10.32	0.61
35.	DQL 2038-1	11.93	1.1	11.22	0.46
36.	DQL 2038-2	13.23	1.2	10.39	0.4
37.	DQL 2039-2	19.71	1.03	8.78	0.6
38.	DQL 2042	17.61	1.1	9.3	0.92
39.	DQL 2043	15.73	1.12	9.82	0.6
40.	DQL 2046	15.91	1.32	9.69	0.62
41.	DQL 2048	20.54	1.14	10.36	0.64
42.	DQL 2049	18.07	1.5	8.7	0.67
43.	DQL 2050	16.01	1.6	11.38	0.47
44.	DQL 2051	14.96	1.49	9.9	0.46
45.	DQL 2052	18.03	1.28	7.85	0.64
46.	DQL 2053	21.54	1.3	7	0.77
47.	DQL 2054	16.68	1.39	11.16	0.55
48.	DQL 2055	22.62	1.13	9.25	0.7
49.	DQL 2057	18.68	1.33	10.08	0.54
50.	DQL 2057-1	21	1.05	8.98	0.6
51.	DQL 2058-1	15.73	1.31	10.72	0.64
52.	DQL 2059	13.68	1.36	9	0.65
53.	DQL 2060	18.35	1.14	7.89	1.08
54.	DQL 2062	20.5	1.07	8.64	0.68
55.	DQL 2063	21.89	1.09	8.36	1

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56.	DQL 2063-1	24.01	1.2	9.23	0.6
57.	DQL 2064-1-1	19.2	1.06	9.11	0.76
58.	DQL 2065	19.01	1.18	8.54	0.46
59.	DQL 2068	16.75	1.04	9.18	0.6
60.	DQL 2070	15.08	1.25	9.16	0.48
61.	DQL 2071	21.63	1.08	8.16	0.84
62.	DQL 2072	17.44	1.09	9.17	0.69
63.	DQL 2077	32.96	1.09	11.03	0.53
64.	DQL 2080	20.17	1	8.23	0.77
65.	DQL 2080-1	28.46	1.24	10	0.61
66.	DQL 2081	26	1.16	9.22	0.68
67.	DQL 2082	18.66	1.16	9.32	0.72
68.	DQL 2085	17.28	1.23	7.83	0.61
69.	DQL 2087	18.47	1.15	8.75	0.54
70.	DQL 2096	29.02	1.2	8.09	0.64
71.	DQL 2097	25.6	1.16	8.15	0.88
72.	DQL 2098	18.7	1.16	7.51	0.87
73.	DQL 2099	17.35	1.08	9.32	0.55
74.	DQL 2104	18.87	1.17	9.64	0.69
75.	DQL 2104-1	20.11	1	9.55	0.85
76.	DQL 2105	20.69	1.29	10.04	0.61
77.	DQL 2105-1	18.67	1.16	8.57	0.78
78.	DQL 2111	20.64	1.29	7.41	0.61
79.	DQL 2113	26.6	1.58	7.49	0.46
80.	DQL 2113-3	23.24	1.1	8	0.58
81.	DQL 2113-2	25.74	1.07	9.08	0.74
82.	DQL 2113-1	21.42	1.33	9.13	0.62
83.	DQL 2124	19.54	1.08	9.46	0.65
84.	DQL 2124-1	24.5	1.02	7.85	0.69
85.	DQL 2124-2	22.58	1.12	10.08	0.62
86.	DQL 2144	23.05	1.09	7.39	0.63
87.	DQL 2157	24.02	1.26	7.83	0.6
88.	DQL 2018	27.86	1.16	11.11	0.47
89.	DQL 2018-1	20.35	1.01	9.46	0.72
90.	DQL 2158	21.85	1.56	8.78	0.63
91.	DQL 2159	23.26	1.16	8.01	0.48
92.	DQL 2160	22.13	1.91	8.74	0.64
93.	DQL 2161	25	1.25	9.8	0.63
94.	DQL 2018-5	20.56	1.46	8.76	0.6

BC-16

95.	DQL 2018-6	16.88	1.2	8.69	0.96
96.	DQL 2163	22.48	1.24	9.12	0.46
97.	DQL 2164	17.6	1.1	9.89	0.61
98.	DQL 2165	22.3	1.23	9.5	0.6
99.	DQL 2166	18.6	1.55	9.7	0.63
100.	DQL 2167	26.79	1.21	8.06	0.67
101.	DQL 2167-1-1	21.11	1.75	6.86	0.63
102.	DQL 2167-2	27.28	1.24	8.23	0.61
103.	DQL 2168	15.61	1.3	8.88	0.42
104.	DQL 2169	25.01	1.25	8.78	0.6
105.	DQL 2169-2	24.08	1.09	9.37	0.58
106.	DQL 2169-1	17.48	1.45	7.1	0.67
107.	DQL 2170	19.96	1.1	8.48	0.48
108.	DQL 2170-2	25.21	1.26	8.02	0.42
109.	DQL 2170-1	18.66	1.55	7.05	0.57
110.	DQL 2173	19.04	1.36	8.57	0.62
111.	DQL 2174	18.66	1.2	10.53	0.48
112.	DQL 2177	21.35	1.12	9.3	0.63
113.	DQL 2178	17.04	1.14	8.82	0.65
114.	DQL 2180	21.1	1.17	8.71	0.63
115.	DQL 2181	15.69	1.08	8.68	0.63
116.	DQL 2182	13.71	1.14	10.21	0.72
117.	DQL 2184	16.08	1.34	9.51	0.52
118.	DQL 2186	17.81	1.27	10.22	0.63
119.	DQL 2187	21.67	1.08	10.29	0.42
120.	DQL 2188	20.45	1.07	7.42	0.61
121.	DQL 2189	26.85	1.22	8.23	0.6
122.	DQL 2190	24.09	1.2	8.6	0.5
123.	DQL 2191-1	18.46	1.31	8.49	0.75
124.	DQL 2191-1-1	20.69	1.14	9.97	0.85
125.	DQL 2191-3	14.11	1.17	9.23	0.7
126.	DQL 2192	14.83	1.03	8.6	0.6
127.	DQL 2192-1	18.72	1.33	7.86	0.67
128.	DQL 2192-1-1	16.16	1.15	8.58	0.62
129.	DQL 2193	16.76	1.39	9.32	0.41
130.	DQL 2193-1	20.21	1.68	9.23	0.6
131.	DQL 2194	22.32	1.39	8.83	0.46
132.	DQL 2195	18.34	1.01	10.43	0.44
133.	DQL 2196	19.25	1.37	9.32	0.45

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134.	DQL 2197	19.91	1.04	8.75	0.48
135.	DQL 2197-1	14.69	1.81	10.32	0.47
136.	DQL 2198	22.14	1.16	9.94	0.52
137.	DQL 2199	13.02	1.08	8.49	0.57
138.	DQL 2205	13.06	1.21	9.74	0.51
139.	DQL 2207	26.5	1.2	8.79	0.79
140.	DQL 2207-1	16.79	1.19	8.72	0.59
141.	DQL 2209	15.46	1.28	8.05	0.7
142.	DQL 2210	18.99	1.05	10.2	0.41
143.	DQL 2211	30.3	1.26	10.42	0.43
144.	DQL 2212	23.6	1.18	10.58	0.38
145.	DQL 2215	15.79	1.31	8.74	0.53
146.	DQL 2216	22.23	1.17	8.73	0.6
147.	DQL 2172	21.06	1.17	8.41	0.58
148.	DQL 2217	22.13	1.21	8.82	0.62
149.	DQL 2218	34.42	1.18	8.89	0.51
150.	DQL 2219	36.51	1.21	8.67	0.5
151.	DQL 2220	23.64	1.24	7.87	0.55
152.	DQL 2221	22.72	1.08	9.01	0.6
153.	DQL 2221-1-1	22.64	1.25	8.43	0.61
154.	DQL 2221-1	20.36	1.13	9.48	0.48
155.	DQL 2222	22.88	1.27	7.21	0.43
156.	DQL 2223	18.24	1.3	8.02	0.58
157.	DQL 2225	21.89	1.21	8.48	0.63
158.	DQL 2227	23.42	1.06	11.63	0.55
159.	DQL 2183	25.07	1.25	9.38	0.59
160.	DQL 2229	20.64	1.03	9.94	0.45
161.	DQL 2230	21.32	1.12	8.68	0.54
162.	DQL 2230-2	13.17	1.31	10.06	0.61
163.	DQL 2230-1	24.38	1.1	8.83	0.66
164.	DQL 2231	23.89	1.08	9.3	0.48
165.	DQL 2232	22.27	1.17	9.23	0.46
166.	DQL 2234	16.35	1.16	8.65	0.42
167.	DQL 2234-1	21.72	1.2	9.79	0.5
168.	DQL 2235	16.11	1.34	10.65	0.55
169.	DQL 2236	20.78	1.15	10.03	
170.	DQL 2238	22.07	1.22	9.83	0.55
171.	DQL 2239	19.61	1.4	9.53	0.45
172.	DQL 2240	22.07	1.1	8.76	0.55

BC-18

173.	DQL 2241	19.71	1.03	8.83	0.52
174.	DQL 2242	22.09	1.07	10.54	0.44
175.	DQL 2243	20.54	1.46	9.69	0.57
176.	DQL 2244	18.33	1.52	8.85	0.46
177.	DQL 2245	18.95	1.05	8.86	0.6
178.	DQL 2246	14.95	1.06	10.65	0.5
179.	DQL 2247	25.23	1.14	10.9	0.55
180.	DQL 2248	21.84	1.21	9.86	0.53
181.	DQL 2249	20.21	1.01	11.71	0.37
182.	DQL 2250	20.56	1.28	9.93	0.43
183.	DQL 2252	13.85	1.15	10.22	0.55
184.	DQL 2253	20.74	1.09	9.75	0.47
185.	DQL 2254	27.87	1.16	9.18	0.42
186.	DQL 2255	19.34	1.61	9.54	0.57
187.	DQL 2256	22.83	1.26	8.43	0.6
188.	DQL 2258	20.59	1.47	10.13	0.61
189.	DQL 2260	26.78	1.33	7.73	0.51
190.	DQL 2261	29.44	1.33	10.97	0.44
191.	DQL 2262	19.99	1.11	9.03	0.64
192.	DQL 2266	18.56	1.54	7.01	0.73
193.	DQL 2267	24.48	1.36	7.33	0.45
194.	DQL 2269	26.05	1.3	10.8	0.44
195.	DQL 2270	22.29	1.14	9.93	0.38
196.	DQL 2271	33.22	1.1	7.94	0.46
197.	DQL 2272	20.07	1.54	6.69	0.6
198.	DQL 2273	14.15	1.41	8.48	0.43
199.	DQL 2274	18.72	1.56	9.08	0.42
200.	DQL 2275	26.72	1.33	11.57	0.37
201.	DQL 2279	23.57	1.17	9.18	0.36
202.	DQL 2281	14.48	1.2	10.94	0.7
203.	DQL 2282	18.84	1.04	11.14	0.43
204.	DQL 2283	19.96	1.53	8.59	0.62
205.	DQL 2280	19.05	1.19	9.35	0.4
206.	DQL 2280-1	20.79	1.29	8.58	0.6
207.	DQL 2289	24.52	1.36	8.42	0.42
208.	DQL 2289-1	23.86	1.32	8.18	0.62
209.	DQL 2289-2	20.57	1.46	8.8	0.61
210.	DQL 2290	17.88	1.27	8.59	0.41
211.	DQL 2292	18.7	1.33	8.2	0.7

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212.	DQL 2293	16.75	1.93	8.05	0.67
213.	DQL 2294	18.74	1.17	9.66	0.57
214.	DQL 2295	21.04	1.31	9.86	0.68
215.	DQL 2297	16.42	1.36	9.52	0.6
216.	DQL 2298	16.12	1.34	8.39	0.59
217.	DQL 2299	22.9	1.27	8.01	0.6
218.	DQL 2300	26.58	1.32	9.56	0.62
219.	DQL 2301	17.2	1.43	9.83	0.52
220.	DQL 2302	25.93	1.44	10.4	0.36
221.	DQL 2303	22.85	1.42	8.48	0.52
222.	DQL 2304	11.5	1.63	8.86	0.61
223.	DQL 2305	14.21	1.18	9.85	0.62
224.	DQL 2264	19.62	1.63	8.42	0.4
225.	DQL 787-7-6	25.92	1.29	11.68	0.36
226.	DQL 644-3-1	20.34	1.45	9.25	0.61
227.	DQL 790-2-6	26.61	1.33	11.47	0.38
228.	DQL 626-1-1	18.18	1.29	8.04	0.41
229.	DQL 774-17-2-1	21.19	1.05	10.46	0.37
230.	DQL 565-3-1	24.48	1.53	11.19	0.65
231.	DQL 644-3-2-1	21.1	1.17	8.96	0.7
232.	DQL 621-7-6-1	15.36	1.28	11.78	0.49
233.	DQL 815	15.1	1.51	8.68	0.54
234.	DQL 785-6-4-1	18.14	1.13	11.76	0.37
235.	DQL 778-1-1-1	29.78	1.48	11.19	0.47
236.	DQL 783-31-16-1	26.07	1.18	10.79	0.54
237.	DQL 685-18-2-1-1	20.15	1.11	7.81	0.46
238.	DQL 399-1-1-1	19.65	1.22	10.89	0.55
239.	DQL 218-1-1-1	23.27	1.16	8.1	0.52
240.	DQL 727-1-1	17.72	1.26	9.59	0.79
241.	DQL 570-8-1-1	18.65	1.16	9.95	0.42
242.	DQL 110-1-1-1	17.36	1.78	9.22	0.63
243.	DQL 297-1-1	21.37	1.78	8.29	0.6
244.	DQL 626-3-2-1	16.73	1.39	9.7	0.42
245.	DQL 609-1-3	29.18	1.82	8.1	0.35
246.	DQL 591-11-1	23.85	1.32	10.31	0.45
247.	DQL 721-3-1	22.77	1.13	9.49	0.84
248.	DQL 506-4-1-4	18.29	1.14	11.68	0.32
249.	DQL 626-2-2-1	29.77	1.14	11.19	0.36
250.	DQL 641-6-3-1-7	28.22	1.28	12.16	0.35

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251.	DQL 644-4-6-2	19.91	1.42	8.89	0.74
252.	DQL 659-4-2-3	21.08	1.31	12.38	0.47
253.	DQL 770-9-3	24.57	1.22	9.92	0.42
254.	DQL 772-1-3-6	19.21	1.37	9.35	0.46
255.	DQL 78(E)-1-4-1	26.84	1.22	11.24	0.44
256.	DQL 669-11-4-4	33.39	1.15	11.24	0.42
257.	DQL 676-11-3-1	25.92	1.29	10.47	0.4
258.	DQL 111-1-1-8	24.04	1.14	11.04	0.41
259.	DQL 267-1-2-3	20.96	1.49	9.61	0.42
260.	DQL 295-1-1-1	21	1.31	9.11	0.6
261.	DQL 394-1-4-13-5	21.32	1.33	9.63	0.79
262.	DQL 708-8-1-3	22.38	1.06	13.89	0.6
263.	DQL 600-1-7-5-1	20.36	1.27	9.23	0.6
264.	DQL 644-2-1-1-1	20.35	1.07	9.69	0.62
265.	DQL 720-10-5-1-7	22.28	1.11	8.03	0.68
266.	DQL 772-1-4-1-2	16.82	1.2	9.81	0.63
267.	DQL 774-18-2-1-1	21.8	1.14	8.03	0.48
268.	DQL 779-13-5-1-7	21.88	1.04	10.43	0.54
269.	DQL 783-31-15-10-1	17.35	1.08	11.25	0.37
270.	DQL 597-2-4-2-2	27.88	1.32	8.9	0.43
271.	DQL 602-4-1-4	22.68	1.13	9.93	0.42
272.	DQL 621-1-4-B-1	22.03	1.1	10.42	0.45
273.	DQL 621-1-4-B-4	14.73	1.22	11.83	0.47
274.	DQL 32-1-1-2-1	22.44	1.4	10.4	0.43
275.	DQL 32-1-1-2-3	18.9	1.18	9.77	0.43
276.	DQL 184-3-2A-1-4	22.63	1.41	8.16	0.63
277.	DQL 205-1-3-5	22.92	1.43	8.84	0.6
278.	DQL 266-1-1-1-4	27.17	1.69	9.78	0.5
279.	DQL 266-1-1-1-5	18.84	1.57	9.39	0.48
280.	DQL 817-2-1	20.74	1.48	9.08	0.67
281.	DQL 817-2-3	21.59	1.34	11.35	0.6
282.	DQL 817-4-1-1	22.51	1.25	8.64	0.73
283.	DQL 817-5-3-1	20.91	1.3	8.01	0.4
284.	CLQRCY-47-2-4-1	22.31	1.11	10.67	0.41
285.	DMRQPM-102-11-1-1	20.93	1.1	8.17	0.64
286.	DMRQPM-102-10-2-1	21.54	1.19	8.11	0.6
287.	DQL 779-2-1-1	28.35	1.28	9.23	0.38
288.	DQL 785-2-4	28.27	1.28	9.95	0.33
289.	DQL 366-1-1A	22.21	1.23	8.93	0.73

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290.	DQL 2160-1	20.65	1.29	7.91	0.48
291.	DQL 2306	21.33	1.06	7.92	0.42
292.	DML 1278	24.07	1.23	8.09	0.75
293.	DML 1435	19.18	1.37	10.09	0.6
294.	DML 1806	11.55	1.15	10.88	0.7
295.	DML 1823	17.26	1.72	8.01	0.68
296.	DML 1929	27.42	0.97	11.35	0.44
297.	DML 1844	21.76	1.2	8.06	0.41
298.	DML 1851	21.6	1.35	8.29	0.62
299.	WNCQPM 10058-1	18.44	1.53	8.44	0.9
300.	DQL 2064-1	16.52	1.03	8.79	0.6
301.	DQL 616-1-4	17.91	1.28	9.48	0.4
302.	DQL 393-1-3	21.02	1.5	8.8	0.6
303.	DQL 787-6-10-2-1	14.57	1.45	7.62	0.44
304.	DQL 630-3-6-3-1	18.26	1.4	8.03	0.47
305.	DQL 600-1-7-5-2-1	16.85	1.4	7.87	0.48
306.	DQL 773-1-2-1-2-1	17.14	1.42	9.28	0.42
307.	DQL 774-18-1-13-1-3-1	19.57	1.5	11.08	0.4
308.	DQL 783-5-3-1-3-1	20.02	1.43	9.52	0.52
309.	DQL 31-15-10-5-1	19.23	1.37	10.92	0.44
310.	DQL 390-1-2-4-2-1	26.5	1.2	9.77	0.44
311.	DQL 2186	19.29	1.2	8.11	0.63
312.	DQL 2064	12.85	1.16	8.56	1.08
313.	DQL 2306	16.53	1.37	8.92	0.77
314.	DQL 2307	14.95	1.06	8.77	0.74
315.	DQL 2308	23.49	1.06	9.44	1.00
316.	DQL 2309	28.23	0.97	8.74	1.04
317.	DQL 2310	23.47	1.17	8.53	0.69
318.	DQL 2311	15.19	1.26	9.11	0.73
319.	DQL 2312	19.04	1.02	10.24	0.61

S.G. : Specific gravity; 100 k.wt. : 100 kernel weight

In another experiment a set of 29 elite inbreds received from IIMR, Ludhiana was analyzed for protein quality as per the set procedure discussed above. The range of protein was 8.67 to 11.37 per cent with lowest and highest values being exhibited by the genotypes HK 1 1105×CML 161 COB 30C1 and HKI 1105×CML 161 COB 12C2, respectively. The range of tryptophan was 0.36 (HKI 1105×CML 161 COB 12C2) and 1.02 (BML 6-1×HK1-193-1-COB 5) (Table 6). Most of lines (17 nos.) out of this stock were found to possess the threshold concentrations of tryptophan ($\geq 0.6\%$ of endosperm protein) required for QPM breeding

BC-22**Table 6: Protein quality of maize inbreds received IIMR, Ludhiana**

S. No	Pedigree	100 k.wt.	S. G.	Protein (%)	Tryptophan (% of end. protein)
1.	BML 6-1×HK1-193-1-COB 5	16.38	1.30	9.16	1.02
2.	BML 6-1×HK1-193-1-COB 6C1	17.28	1.08	9.10	0.53
3.	BML 6-1×HK1-193-1-COB 8C1	16.78	1.19	10.24	0.62
4.	BML 6-1×HK1-193-1-COB 10C1	16.61	1.03	9.26	0.78
5.	BML 6-1×HK1-198-1-COB 14C1	18.31	1.14	10.70	0.58
6.	BML 6-1×HK1-198-1-COB 14C2	19.54	1.22	8.70	0.68
7.	BML 6-1×HK1-198-1-COB 16C1	19.65	1.03	11.25	0.48
8.	HK 1 1105×CML 161 COB 3C1	13.05	1.30	9.27	0.72
9.	HK 1 1105×CML 161 COB 3C2	13.76	1.14	9.55	0.62
10.	HK 1 1105×CML 161 COB 4C2	13.81	1.15	9.20	0.64
11.	HK 1 1105×CML 161 COB 6C2	23.60	1.30	9.70	0.54
12.	HK 1 1105×CML 161 COB 7C2	17.02	1.21	8.82	0.74
13.	HK 1 1105×CML 161 COB 8C2	18.26	1.52	9.02	0.52
14.	HK 1 1105×CML 161 COB 11C1	19.90	1.04	9.00	0.59
15.	HK 1 1105×CML 161 COB 12C4	12.32	1.02	9.06	0.61
16.	HK 1 1105×CML 161 COB 15C1	13.99	1.16	9.28	0.60
17.	HK 1 1105×CML 161 COB 18C2	15.40	1.10	10.26	0.60
18.	HK 1 1105×CML 161 COB 18C5	18.06	1.12	8.81	0.45
19.	HK 1 1105×CML 161 COB 21C1	23.76	1.18	9.21	0.50
20.	HK 1 1105×CML 161 COB 21C3	16.18	1.01	9.73	0.67
21.	HK 1 1105×CML 161 COB 25C1	14.50	1.50	10.77	0.65
22.	HK 1 1105×CML 161 COB 29C1	16.99	1.21	8.87	0.69
23.	HK 1 1105×CML 161 COB 30C1	17.04	1.21	8.67	0.84
24.	HK 1 1105×CML 161 COB 36C1	19.44	1.02	9.22	0.72
25.	BML 6-1×CML-161(22)COB 7C1	14.65	1.04	9.47	0.61
26.	BML 6-1×CML-165 COB 1C1	23.01	1.15	9.94	0.45
27.	BML 6-1×CML-165 COB 6C1	17.10	1.22	10.93	0.40
28.	BML 6-1×CML-165 COB 7C2	20.96	1.04	9.75	0.37
29.	HK1 1105×CML 161 COB 12C2	22.29	1.11	11.37	0.36

S.G. : Specific gravity; 100 k.wt. : 100 kernel weight

EVALUATION OF MAIZE GERMPLASM DEVELOPED BY AICRP CENTRES FOR PROTEIN QUALITY

Apart from the institute, the biochemistry laboratory also facilitates the analysis of maize samples for protein quality received from various AICRP centers involved in QPM breeding. Under this programme samples were received from CSK HPKV, HAREC, Bajura and MRC, PJTSAU, Hyderabad. The results are presented in Tables 7 and 8, respectively.

Table 7: Protein quality of maize inbreds received from CSK HPKV, HAREC, Bajura

S. No.	Pedigree	100kwt	S.G.	Protein (%)	Tryptophan (% of endo. protein)
Normal maize lines					
1	BAJIM-08-26	25.47	1.27	10.42	0.34
2	BAJIM-08-27	20.38	1.27	10.02	0.35
3	LQPM-15-01	23.41	1.46	9.96	0.47
4	CML 334	27.04	1.23	8.96	0.61
5	MRCQPM-16	19.7	1.41	7.59	0.6
6	BAJIM-15-12	16.3	1.36	10.77	0.48
7	MRCQPM-18	15.4	1.1	8.07	0.63
8	BAJIM-12-01	11.66	1.17		0.36
9	BAJIM-15-09	26.2	1.31	11.6	0.47
10	BAJIM-15-11	32.3	1.07	10.71	0.46
11	CML 336	17.76	1.61	10.15	0.45
12	BML-7	23.36	1.16	10.39	0.4
13	CML-44	11.15	0.92	10.47	0.47
14	CML-292	24.99	1.24	11.18	0.36
15	HKI-1105	22.01	1.83	8.61	0.42
16	BAJIM-13-02	27.31	1.24	9.33	0.42
17	V-334	15.1	1.09	10.71	0.37
18	CML-294	27.47	1.14	9.65	0.44
19	CML-141	34.61	1.57	12.16	0.43
20	BAJIM-15-08	20.89	2.09	10.38	0.41
21	BAJIM-13-01	15.73	1.31	8.36	0.47
22	HKI 1040-7	25.3	1.26	9.65	0.43
23	CML-337	27.65	1.2	11.54	0.4
24	TNAU/CBE-115	22.78	1.19	11.19	0.41
25	BAJIM-15-10	18.74	1.04	10.16	0.52
26	CML-269-1	33.01	1.17	9.63	0.38

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27	BML-6	19.84	1.1	9.84	0.43
28	CML-465-B-B	26.03	1.3	12.33	0.37
29	BIO-9544	30.94	1.28	8.33	0.38
30	Palam Sankar Makka-2	34.37	1.14	7.82	0.43
31	LQPM 15-01×BAJIM08-26	26.48	1.01	8.36	0.4
32	LQPM 15-01×BAJIM08-27	24.02	1.28	7.57	0.44
33	CML-334×BAJIM08-26	31.5	1.31	9.11	0.41
34	CML-334×BAJIM08-27	30.86	1.4	8.17	0.49
35	MRCQPM-16×BAJIM08-26	25.59	1.27	8.18	0.52
36	MRCQPM-16×BAJIM08-27	31.58	1.12	7.15	0.56
37	BAJIM13-01×BAJIM08-26	33.16	1.1	8.01	0.48
38	BAJIM13-01×BAJIM08-27	34.65	1.15	7.24	0.47
39	MRCQPM-1801×BAJIM08-26	29.14	1.32	9.62	0.4
40	MRCQPM-1801×BAJIM08-27	27.72	1.26	9.57	0.37
41	BAJIM-12-01×BAJIM08-26	25.21	1.2	7.57	0.51
42	BAJIM-12-01×BAJIM08-27	22.28	1.11	7.54	0.48
43	BAJIM-15-09×BAJIM08-26	29.21	1.32	8.07	0.52
44	BAJIM-15-09×BAJIM08-27	35.74	1.23	9.44	0.39
45	BAJIM-15-11×BAJIM08-26	38.5	1.28	11.92	0.38
46	BAJIM-15-11×BAJIM08-27	38.73	1.21	10.01	0.36
47	DMRQPM-58×BAJIM08-26	25.72	1.42	8.13	0.6
48	DMRQPM-58×BAJIM08-27	23.49	1.3	7.29	0.55
49	CML-336×BAJIM08-26	29.88	1.24	9.94	0.44
50	CML-336×BAJIM08-27	16.82	1.28	9.08	0.39
51	BML-7×BAJIM08-26	27.99	1.27	7.86	0.58
52	BML-7×BAJIM08-27	30.5	1.08	7.39	0.44
53	CML 44×BAJIM08-26	32.22	1.61	8.88	0.45
54	TNAU/CBE-83×BAJIM08-26	33.31	1.18	8.3	0.43
55	TNAU/CBE-83×BAJIM08-27	34.38	1.22	8.78	0.48
56	CML 292×BAJIM08-26	25.09	1.79	8.13	0.45
57	CML 292×BAJIM08-27	24.36	1.52	7.25	0.63
58	HKI 1105×BAJIM08-26	25.52	1.82	7.44	0.45
59	HKI 1105×BAJIM08-27	26.62	1.1	7.33	0.46
60	CML 269×BAJIM08-26	39.64	1.23	10.36	0.34
61	CML 269×BAJIM08-27	33.01	1.37	8.21	0.41
62	BAJIM-13-02×BAJIM08-26	39.57	1.05	8.92	0.35
63	BAJIM-13-02×BAJIM08-27	26.44	1.32	7.15	0.6
64	V334×BAJIM08-26	27.3	1.24	7.77	0.54
65	CML 294×BAJIM08-26	27.23	1.7	7.87	0.47

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66	CML 294×BAJIM08-27	29.03	1.2	7.43	0.42
67	CML 141×BAJIM08-26	31.98	1.45	8.52	0.47
68	CML 141×BAJIM08-27	35.42	1.26	9.08	0.39
69	BAJIM-15-08×BAJIM08-26	25.02	1.25	7.4	0.57
70	BAJIM-15-08×BAJIM08-27	26.61	1.33	7.41	0.46
71	BAJIM-13-01×BAJIM08-26	29.88	1.35	9.38	0.34
72	BAJIM-13-01×BAJIM08-27	31.09	1.29	8.51	0.32
73	HKI 1040-7×BAJIM08-26	29.55	1.47	9.85	0.33
74	HKI 1040-7×BAJIM08-27	30.95	1.4	9.46	0.39
75	CML 337×BAJIM08-26	28.52	1.01	7.28	0.57
76	CML-337×BAJIM08-27	30.98	1.4	8.21	0.62
77	TNAU/CBE-115×BAJIM08-26	27.63	1.31	9.58	0.32
78	CML 439×BAJIM08-26	27.15	1.13	7.61	0.61
79	CML 439×BAJIM08-27	30.42	1.26	7.01	0.44
80	BAJIM-15-10×BAJIM08-26	32.51	1.12	8.62	0.58
88	BAJIM-15-10×BAJIM08-27	29.53	1.01	7.84	0.47
81	CML-269-1×BAJIM08-26	36.07	1.06	8.54	0.38
82	CML-269-1×BAJIM08-27	34.1	1.17	7.74	0.48
83	BML-6×BAJIM08-26	27.43	1.37	7.71	0.47
84	BML-6×BAJIM08-27	34.4	1.32	8.56	0.39
85	CML-465-B-B×BAJIM08-26	32.44	1.25	8.55	0.38
86	CML-465-B-B×BAJIM08-27	34.11	1.31	10.46	0.31
B. QPM Lines					
87	LQPM 50	29.13	1.46	8.11	0.44
88	LQPM 51	22.88	1.27	10.13	0.44
89	LQPM53	19.83	1.65	10.63	0.45
90	LQPM34	26.45	1.32	10.6	0.62
91	CML172	25.38	1.27	10.42	0.44
92	CML161	26.7	1.34	7.75	0.47
93	LQPM 55	20.87	1.49	8.83	0.38
94	LQPM 56	29.02	1.21	8.69	0.44
95	CML166	23.88	1.49	8.65	0.48
96	HKI193-1	17.9	1.28	6.99	0.76
97	CML168	21.06	1.5	7.59	0.44
98	CML169	20.22	1.26	7.5	0.42
99	LQPM 57	25.27	1.26	7.77	0.52
100	LQPM24	15.4	1.54	9.53	0.45
101	CML 164	20.16	1.26	8.51	0.47

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102	CML 162	17.81	1.48	8.93	0.51
103	CML 171	19.2	1.37	9.53	0.46
104	CML 165	15.19	1.27	8.33	0.45
105	HKI 163	16.57	1.18	10.33	0.58
106	LQPM 58	20.02	1.25	11.72	0.37
107	LQPM 59	25.39	1.27	9.2	0.32
108	LQPM 60	21.23	1.33	10.37	0.42
109	LQPM 62	16.44	1.17	8.03	0.68
110	LQPM 63	22.45	1.12	10.75	0.37
111	LQPM 64	20.82	1.04	10.59	0.46
112	LQPM 65	23.32	1.3	10.48	0.47
113	LQPM 66	18.61	1.33	8.59	0.56
114	LQPM 67	20.74	1.48	9.6	0.43
115	LQPM 29	16.38	1.17	10.53	0.48
116	LQPM 33	15.49	1.54	9.65	0.45
117	LQPM 40	16.79	1.67	11.74	0.44
118	LQPM 40	23.33	1.16	7.95	0.46
119	LQPM 68	15.99	1.33	7.95	0.77
120	LQPM 15-1	22.79	1.42	10.42	0.4
121	LQPM 24	17.35	1.23	10.34	0.48
122	LQPM 70	21.28	1.06	6.89	0.62
123	6478-21-6	17.23	1.23	10.05	0.46
124	LQPM 71	19.28	1.6	8.54	0.53
125	LQPM 72	15.1	1.25	9.82	0.6
126	LQPM 23	11.21	1.12	9.02	0.52
127	LQPM 2	15.12	1.51	8.47	0.66
128	VQL 17	26.89	1.34	8.32	0.33
129	VQL 3	18.79	1.17	8.47	0.49
130	VQL 5	13.49	1.58	7.59	0.47
131	VQL 8	18.35	1.31	7.68	0.76

Table 8: Protein quality of maize inbreds received from MRC, PJTSAU Hyderabad

S. No.	Pedigree	100 K.wt.	S.G.	Protein (%)	Tryptophan (%)
1	BML-6(C)	23.90	1.19	12.38	0.48
2	BML-6	21.75	1.35	10.49	0.38
3	BML-7(C)	22.88	1.04	13.85	0.72
4	BML-7	25.13	1.14	13.65	0.38

EVALUATION OF MAIZE GERMPLASM DEVELOPED FOR QUALITY TRAITS

The biochemistry laboratory also facilitates the analysis of maize germplasm for various quality traits such as oil, starch, protein, sugar and carotenoids in order to identify the promising lines for the above mentioned quality traits. Recently, the work on colored maize is initiated in order to enhance the uses of maize and to unveil the benefits of maize in pharmaceutical industry. In this programme samples received from SKUAST Srinagar and KVK, Madhya Pradesh were analyzed for various quality traits as well as their comparison. The samples from Banswara and IIMR, Ludhiana were also analyzed for various quality traits as required. The results are presented in Tables 9 to 12, respectively.

Table 9: Quality analysis of colored maize samples received from SKUAST Srinagar

Pedigree	Name given	Total carotenoids ($\mu\text{g/g}$)	Starch (%)	Oil (%)	Sugar (%)	Protein (%)	Tryptophan (%)
1157	Srinagar selection	11.84	70.62	4.19	2.24	8.95	0.32
1158	Larnoo selection	29.6	71.02	5.04	3.75	9.12	0.62
1159	Gurez local	2.4	72.1	3.9	1.5	9.5	0.44

Table 10: Quality analysis of colored maize samples received from KVK, Madhya Pradesh

Pedigree	Name given	Total carotenoids (%)	Starch (%)	Oil (%)	Sugar (%)	Protein (%)	Tryptophan (%)
1160	Coloured	27.84	73	3.78	1.64	9.68	0.5
1161	Yellow	30	74.41	3.85	1.58	8.42	0.39

Table 11: Quality analysis of maize samples received from Banswara

S no.	Pedigree	Oil (%)	Starch (%)	Protein (%)
1	WH-1010	3.85	70.13	13.66
2	WH-1003	3.65	73.77	10.46
3	WH-1095	3.74	70.09	13.67
4	PRATAP MAIZE	4.1	72.82	10.25
5	BIO-9682	3.9	75.19	8.12
6	BIO-9782	3.94	75.76	9.61
7	P-3441	4.5	74.09	9.91

Table 12: Oil quality of maize samples received from ICAR-IIMR, Ludhiana

S no.	Pedigree	Oil (%)
1	Temp×Trop(HO)QPMBBB100BBB-1	3.73
2	Temp×Trop(HO)QPMBBB49BBB-1	2.84
3	Temp×Trop(HO)QPMBBB49BBB-2	2.75
4	Temp×Trop(HO)QPMBBB49BBB-3	4.61
5	TLWQ(HO)QPMC15BBB20BB	5.11
6	TLWQ(HO)QPMC15BBB20BB-3	5.07
7	TLWQ(HO)QPMC15BBB20BB-4	4.69
8	Temp×Trop(HO)QPM-1	3.76
9	Temp×Trop(HO)QPM-3	4.25
10	Temp×Trop(HO)QPMBBB57-1	3.54
11	Temp×Trop(HO)QPMBBB57-2	4.89
12	TLWQ(HO)QPMC15BBB20BBB	4.48
13	TLWQ(HO)QPMC15BBB28BBB	5.00
14	TLWQ(HO)QPMC15BBB34BBB	5.00
15	TLWQ(HO)QPMC15BBB38BBB	6.00
16	LM13	2.94
17	LM14	3.88
18	LM17	4.64
19	Temp×Trop(HO)QPMBBB100BBB-1	4.20
20	Temp×Trop(HO)QPMBBB49BBB-2	4.05
21	TLWQ(HO)QPMC15BBB20BB-2	4.73
22	Temp×Trop(HO)QPM-2	3.24
23	Temp×Trop(HO)QPM-3	3.22
24	Temp×Trop(HO)QPMBBB57-1	4.01
25	Temp×Trop(HO)QPMBBB57-2	4.20
26	TLWQ(HO)QPMC15BBB20BBB	5.20
27	TLWQ(HO)QPMC15BBB28BBB	4.87
28	TLWQ(HO)QPMC15BBB34BBB	3.83
29	TLWQ(HO)QPMC15BBB38BBB	5.00
30	(Temp×Trop(HO)) ×HKI Talaar	4.31
31	(Temp×Trop(HO)) ×HKI Talaar	3.19
32	(Temp×Trop(HO)) ×HKI Talaar	3.27
33	(Temp×Trop(HO)) ×HKI Talaar	3.20

**Results of the Experiments conducted by Asst Nutritionist, AICRP (Maize),
ZARS, V.C. Farm, Mandya, for the year 2017-18**

Experiment 1:

Table 1. Assessment of popping quality in **Pop corn** genotypes.

Sl. No.	IIMR code	Moisture (%)				Popping%				Popped mass (g)			
		R1	R2	R3	Mean	R1	R2	R3	Mean	R1	R2	R3	Mean
1	PC-I-II-II	10.2	10.7	11.9	10.93	99	100	100	99.7	10	11	19	13.3
2	PC-I-II-II	12.0	9.1	12.9	11.33	85	71	91	82.3	11	5	10	8.7
3	PC-I-II-II	10.9	9.6	11.9	10.80	83	92	97	90.7	19	12	9	13.3
4	PC-I-II-II	12.6	11.5	10.9	11.67	95	99	100	98.0	9	9	15	11.0
5	PC-I-II-II	10.2	13.8	12.3	12.10	91	100	33	74.7	10	12	11	11.0
6	PC-I-II-II	11.6	11.7	11.4	11.57	82	90	97	89.7	14	9	13	12.0
7	PC-I-II-II	13.0	9.3	11.1	11.13	100	26	100	75.3	16	8	13	12.3
8	PC-I-II-II	13.8	13.8	13.7	13.77	50	98	40	62.7	7	10	6	7.7
9	PC-I-II-II	10.8	10.8	10.0	10.53	98	100	92	96.7	13	16	12	13.7
10	PC-I-II-II	12.9	13.0	13.3	13.07	14	99	90	67.7	4	15	9	9.3
11	PC-I-II-II	9.9	10.4	10.0	10.10	94	86	71	83.7	15	12	10	12.3
12	PC-I-II-II	13.8	12.3	12.1	12.73	88	99	85	90.7	15	13	11	13.0
13	PC-I-II-II	11.4	13.6	9.9	11.63	28	98	92	72.7	4	18	11	11.0
14	PC-I-II-II	13.7	13.9	13.7	13.77	98	87	98	94.3	12	13	13	12.7
15	PC-I-II-II	9.6	11.6	10.1	10.43	90	83	100	91	19	10	14	14.3
Mean		11.76	11.67	11.68		79.7	88.5	85.7		11.8	11.5	11.7	

IIMR code	Popped volume(ml/g)				Popped density (g/ml)			
	R1	R2	R3	Mean	R1	R2	R3	Mean
PC-I-II-II								
PC-I-II-II	14	10	11.5	11.9	0.07	0.1	0.086	0.09
PC-I-II-II	10	10	10	10.0	0.1	0.096	0.1	0.10
PC-I-II-II	6.3	8.3	11.1	8.6	0.15	0.12	0.09	0.12
PC-I-II-II	16.6	10	12	12.9	0.06	0.1	0.083	0.08
PC-I-II-II	11.0	12.5	2.7	8.7	0.09	0.08	0.366	0.18
PC-I-II-II	7.1	11.1	11.5	9.9	0.14	0.09	0.086	0.11
PC-I-II-II	6.8	3.7	10.7	7.1	0.14	0.26	0.092	0.17
PC-I-II-II	2.8	12.0	8.3	7.7	0.35	0.083	0.12	0.18
PC-I-II-II	9.2	7.5	12.5	9.7	0.108	0.133	0.08	0.11
PC-I-II-II	2.5	10	15.5	9.3	0.4	0.1	0.064	0.19
PC-I-II-II	10.6	10	6.0	8.9	0.093	0.1	0.166	0.12
PC-I-II-II	10	10.7	13.6	11.5	0.1	0.076	0.073	0.08

PC-I-II-II	5	17.2	12.7	11.6	0.2	0.058	0.078	0.11
PC-I-II-II	10	13.0	12.3	11.8	0.1	0.076	0.081	0.09
PC-I-II-II	7.8	8.2	13.5	9.8	0.12	0.125	0.073	0.11
Mean	8.6	10.28	10.95		0.15	0.11	0.11	

Experiment 2:

Table 1. Assessment of Total Soluble Solid content in **Sweet corn** genotype.

Sl. No.	IIMR code	R1	R2	R3	Mean tss ⁰ brix
1	SCI-II-III	18.5	16.5	19.0	18.0
2	SCI-II-III	18.0	16.0	17.5	17.2
3	SCI-II-III	16.0	15.0	14.0	15.0
4	SCI-II-III	17.0	15.0	17.0	16.3
5	SCI-II-III	13.0	14.0	15.0	14.0
6	SCI-II-III	15.0	13.0	14.0	14.0
7	SCI-II-III	17.0	16.0	16.0	16.3
8	SCI-II-III	17.0	16.0	17.0	16.7
9	SCI-II-III	15.0	19.0	13.0	15.7
10	SCI-II-III	13.0	16.0	15.0	14.7
11	SCI-II-III	16.0	14.0	16.0	15.3
12	SCI-II-III	14.5	16.5	16.0	15.7
13	SCI-II-III	17.0	16.0	17.0	16.7
14	SCI-II-III	17.0	14.5	16.0	15.8
15	SCI-II-III	15.0	18.0	14.0	15.7
Mean		11.76	11.67	11.68	

Experiment 3:

Table 1. Assessment of Ascorbic acid (Vitamin-C) and Total Soluble Solids content in fresh **baby corn** genotypes.

Sl. No.	IIMR code	TSS ⁰ brix				Vitamin-C (mg/100g)			
		R1	R2	R3	MEAN	R1	R2	R3	MEAN
1	BC-I-II-II	8.0	7.5	6.0	7.2	7.4	7.8	7.0	7.40
2	BC-I-II-II	6.5	8.0	6.5	7.0	7.1	7.8	6.9	7.29
3	BC-I-II-II	8.0	9.0	8.0	8.3	6.9	7.0	8.0	7.31
4	BC-I-II-II	6.5	7.0	7.0	6.8	7.3	6.9	7.9	7.38

5	BC-1-II-II	7.0	8.0	9.0	8.0	7.8	6.8	7.0	7.21
6	BC-1-II-II	9.0	7.5	7.0	7.8	6.9	7.9	6.9	7.25
7	BC-1-II-II	8.0	7.0	9.0	8.0	7.8	8.0	7.8	7.88
8	BC-1-II-II	7.5	6.5	7.5	7.2	8.1	7.9	8.0	8.02
9	BC-1-II-II	8.0	6.0	7.0	7.0	6.9	7.0	7.9	7.28
10	BC-1-II-II	7.5	7.5	7.5	7.3	7.0	6.9	7.5	7.15
11	BC-1-II-II	8.0	7.0	8.0	7.7	7.8	6.5	7.0	7.11
Mean		7.59	7.36	7.45		7.36	7.34	7.45	

Experiment : Development of new value added products from maize.

Experiment 4. Development of Maize functional roti mix.

Table 1. The different variations of **Maize functional roti mix** are as follows.

Ingredients	A	B	C	D
	60:40	70:30	80:20	90:10
Maize+ wheat	60	60	70	90
Soya flour	15	10	8	10
Green gram	13	11	5	-
Fenugreek	2	2	2	-
Chakramuni powder	4	3	3	-
Drum stick powder	4	2	1	-
Flax seed powder	2	2	1	-

Table 2. Sensory evaluation of **maize functional roti**.

	A	B	C	D	F-value	SEm±	CD @ 5%
Appearance	7.1	8.4	7.0	7.0	*	0.16	0.45
Colour	6.6	8.2	6.8	6.7	*	0.19	0.53
Texture	6.8	8.5	7.0	6.8	*	0.18	0.49
Flavor	7.1	8.3	6.8	6.7	*	0.16	0.44
Taste	7.0	8.5	6.9	6.9	*	0.16	0.44
OAA	6.9	8.6	6.8	6.5	*	0.16	0.46

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Table 3. Nutritional composition of **Maize functional roti mix.**

Nutritional composition	/ 100 g
Moisture (%)	10.82
Protein(g)	16.44
Fat(g)	1.81
Mineral(g)	2.46
Dietary fibre (g)	11.76
CHO(kcal)	61.08
Energy(Kcal)	307.85
Calcium(mg)	45.00
Phosphorous(mg)	317.02
Iron(mg)	8.78

Inference: The functional ready to cook functional maize flour was standardized by adding various functional ingredients, and it was acceptable by the sensory evaluation panelists in the ratio of 60:40. The nutritional composition of the mix indicated that it contained protein (16.44 g), dietary fiber (11.76g), iron(8.78mg) and calcium (45 mg) contents.

Experiment 5. Development of maize suji Pongal.

Table 1. The different variations of **Maize pongal mix** is as follows

Food item	A	B	C	D
	100:50	100:40	100:30	100:20
Maize suji	100	100	100	100
Green gram dhal	45	35	25	15
Spice mix	5	5	5	5

Table 2. Sensory scores of **maize Pongal.**

	A	B	C	D	F-value	SEm±	CD @ 5%
Appearance	8.5	7.1	6.8	6.6	*	0.2	0.55
Colour	8.4	6.8	6.8	6.5	*	0.21	0.59
Texture	8.4	7.0	6.9	6.6	*	0.15	0.42
Flavour	8.6	7.3	6.6	6.7	*	0.15	0.42
Taste	8.5	7.1	6.5	6.6	*	0.2	0.56
OAA	8.6	7.1	6.7	6.6	*	0.15	0.42

Table 3. Nutritional composition of **maize Pongal**.

Nutritional composition	/ 100 g
Energy (Kcal)	364.0
Protein(g)	13.60
Carbohydrates (g)	71.70
Fat(g)	1.90
Dietary fiber(g)	8.50
Iron(mg)	7.20
Calcium(mg)	10.20
Zinc(mg)	0.90
Magnesium(mg)	102.30

Inference: The ready to cook Pongal mix was standardized using maize suji and green gram dhal with addition of spice mix. The ratio of 100:50 was acceptable by the sensory evaluation panelists. The nutritional composition of the developed mix was found to contain protein (13.60 g), dietary fiber (8.50g), iron(7.20 mg) and calcium (10.20 mg) contents.

Experiment 6.. Development of maize suji besebele bath mix.

Table 1. The different variations of **maize suji besebele bath mix**.

Food item	A	B	C	D
	50:50	60:40	70:30	80:20
Maize suji	50	60	70	80
Broken red gram dhal	35	25	15	5
Spice mix	15	15	15	15

Table 2. Sensory evaluation scores of **maize suji besebele bath**.

	A	B	C	D	F-value	SEm±	CD @ 5%
Appearance	8.3	6.9	6.3	6.1	*	0.16	0.45
Colour	8.0	6.6	6.5	6.2	*	0.17	0.48
Texture	8.2	6.7	6.6	6.4	*	0.16	0.46
Flavour	8.2	6.5	6.4	6.3	*	0.2	0.55
Taste	8.3	6.9	6.4	6.3	*	0.23	0.64
OAA	8.5	6.9	6.6	6.3	*	0.17	0.47

Table 3. Nutritional composition of **maize suji besebele bath mix.**

Nutritional composition	/ 100 g
Energy (Kcal)	326.0
Protein(g)	17.00
Ash (g)	1.6
Carbohydrates (g)	58.70
Fat(g)	2.90
Dietary fiber(g)	8.30
Iron(mg)	3.40
Calcium(mg)	51.40
Zinc(mg)	0.90
Magnesium(mg)	102.30

Inference: Maize suji besebele bath is acceptable at 50:50 ratios of maize suji and red gram dhal. The nutritional composition of the mix indicates that it contains protein (17.0 g), dietary fiber (8.30 g), calcium (51.40 mg) with a energy content of 326 k. cal / 100 g.

Experiment 7: Organoleptic quality evolution of Baby Corns for table purpose.

Table 1. Sensory evaluation scores of Fresh **Baby Corn.**

	1400	1401	1402	1404	1405	1396	1397	1398	F-value	SEM±	CD@5%
Appearance	5.3	7.9	6.7	6.2	5.5	7.8	5.7	5.8	*	0.34	0.95
Colour	6.1	7.9	6.7	6.5	5.9	8.0	6.0	5.9	*	0.31	0.86
Texture	5.5	8.0	6.5	6.3	5.5	7.8	5.4	5.8	*	0.34	0.96
Flavour	5.3	7.5	6.1	5.7	5.5	7.3	5.6	6.1	*	0.29	0.81
Taste	5.8	7.7	6.1	6.4	5.9	7.7	5.8	6.2	*	0.31	0.85
OAA	5.8	8.0	6.3	6.3	6.0	7.8	5.9	6.0	*	0.29	0.81

Inference : Among the genotypes tested for Organoleptic acceptability, the genotype 1401 and 1396 were scored between highly acceptable to acceptable range on a nine point hedonic rating scale for sensory parameters such as appearance, colour, taste, texture and over all acceptability.

Experiment 8: Organoleptic quality evolution of Sweet Corns for table purpose.

Table 1. Sensory evaluation scores of Fresh Sweet Corn.

	1430	1431	1432	1433	1334	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	F-value	SEM±	CD@5%
Appearance	6.1	6.6	6.7	6.1	6.8	6.6	6.3	6.7	8.0	6.8	6.1	6.3	7.0	6.1	8.2	*	0.29	0.81
Colour	6.0	6.6	6.6	6.2	6.6	6.2	6.3	6.3	8.0	6.9	6.4	6.6	7.0	6.4	8.1	*	0.27	0.76
Texture	5.8	5.7	6.2	5.4	6.7	6.6	5.8	6.4	8.0	6.5	6.0	6.0	6.5	6.6	8.3	*	0.29	0.80
Flavor	5.7	5.4	6.0	5.6	6.5	6.6	5.6	6.3	7.7	6.5	6.1	6.3	6.5	6.7	8.2	*	0.30	0.83
Taste	5.8	6.0	6.4	5.7	7.0	6.5	5.9	6.8	8.0	6.5	6.4	6.7	7.0	6.5	8.5	*	0.31	0.85
OAA	6.3	6.2	6.5	6.0	6.7	6.8	5.8	6.6	8.1	6.8	6.4	6.3	7.0	6.6	8.5	*	0.25	0.70

Experiment 9: Organoleptic quality evolution of Pop Corns for table purpose.

Table 1 . Sensory evaluation scores of Pop Corn genotypes.

	1508	1509	1510	1511	1513	1514	1515	1516	1517	1518	1519	1520	1521	1522	F-value	SEM±	CD@5%
Appearance	6.6	7.4	7.2	7.6	7.4	6.4	6.9	6.1	7.1	6.9	7.8	6.6	7.1	7.7	*	0.23	0.63
Colour	6.7	7.2	7.2	7.5	7.1	6.5	6.8	6.4	7.0	7.3	7.7	7.0	6.8	7.6	*	0.21	0.57
Texture	6.5	6.9	6.8	7.2	7.4	6.3	6.7	6.4	7.1	6.9	7.3	6.7	6.9	7.2	*	0.22	0.63
Flavor	6.4	6.4	6.4	7.0	6.8	6.4	6.5	6.0	6.0	6.4	7.1	5.9	6.8	7.0	*	0.26	0.71
Taste	6.6	6.5	7.0	7.1	7.1	7.0	6.8	6.8	6.4	6.4	7.1	6.5	6.9	7.4	*	0.21	0.59
OAA	6.3	6.8	6.9	7.3	7.2	6.5	6.7	6.4	6.7	6.7	7.4	6.6	7.0	7.5	*	0.20	0.55

Inference: Among the sweet corn genotypes, the overall acceptability of sweet corns for table purpose, indicated that the genotypes 1438, 1442 scored between highly acceptable to acceptable range (8.1, 7.0) on a nine point hedonic scale.

In case of pop corn genotypes, the genotypes 1522(7.5), 1513 (7.4), 1511(7.3), 1513(7.2), for sensory parameters such as appearance, colour, texture, taste and overall acceptability.

Experiment 10: Assessment of Glycemic Index (GI) of different maize product in different cooking methods.

Table 1. Glycemic index of different maize products.

Food items	Before eating food blood test(Mmol/d L)	After eating food blood test(Mmol/dL)				Mean±SD	IAUC	Glycemic Index (GI)
	0min	30min	60min	90min	120 min			
	Maize idli	5.38	7.0	6.1	6.34				6.6	6.28±0.61	114	61.78
Maize kadabu	5.22	6.27	5.44	6.5	6.83	6.05±0.69	105	56.91
Maize roti	5.05	6.88	6.0	6.27	6.66	6.17±0.71	138	74.7
Maize Upma	5.44	7.16	6.11	6.55	6.83	6.42±0.67	129	69.91

Inference: The maize value added products indicated that the Glycemic Index (GI) of maize steam cooked products was lower (Maize kadabu: 56, maize idli: 61) compared to boiled (maize upma: 69) and gelatinized direct cooked product(maize roti : 74).

Popping pictures



Development of new value added products from maize



Maize Besebele bath



Maize Suji Pongal



Maize Suji Sweet Pongal



Maize Suji+Vermicelli Payasam



Maize Dosa



Maize Thalipattu

Some of the pictures showing the glycemic index (GI) testing of the maize products.



Conducting training programmes on Maize value addition





Annexures

Weather Data-Kharif 2017

Zone I, (NHZ)

Bajaura

Month	Temperature (°C)		RH %		Total monthly rainfall (mm) (hrs/day)	No. of Rainy days	Sunshine hours/days
	Max	Min	Max	Min			
April, 2017	28.8	9.7	93	35	87.4	10	7.9
May, 2017	30.4	12.7	92	40	81	15	7.2
June, 2017	30.0	16.3	92	53	122.3	12	6.1
July, 2017	30.4	21.2	90	65	142.6	18	5.1
August, 2017	30.5	20.5	91	61	72.6	16	5.6
September, 2017	29.7	16.2	91	53	83.6	6	-
October, 2017	29.2	8.7	91	34	0	0	-
November, 2017	23.1	2.6	91	41	11.4	4	-

Rajauri

Date-Month	Max (T)	Min (T)	RH mor	RH even	RF mm
June	32.2	18.4	80	43	127.6
July	30.8	21.6	85	63	110.0
August	30.8	21.0	89	65	223.4
September	31.5	17.1	87	55	48.8
October	30.8	9.5	87.0	34.5	0.0

Dhaulakuan

Date	Temperature 0 ^c		Humidity (%)		Rainfall (mm)
	Maximum	Minimum	Maximum	Minimum	
May	37.3	17.2	65.7	35.8	58.8
June	37.1	18.2	69.7	49.0	266.4
July	34.4	20.1	80.1	83.2	332.2
August	31.2	21.1	90.2	72.2	352.4
September	31.3	21.4	90.1	68.4	394.6
October	31.0	14.4	89.5	50.7	0.0

Kangra

Months	Temp. Max 0C	Temp. Min. 0 ^C	Total rainfall (mm)
May	35.4	19.9	73.0
June	32.8	20.5	161.0
July	30.8	21.4	506.7
Aug	30.9	21.6	639.7
Sep	31.7	20.8	100.3
Oct	30.7	17.0	0.0
Nov	24.1	9.5	0
Dec.	.....	.....	.....

Zone III, (NEPZ)**CRS, Baraich**

Months	Total rainfall (mm)	Temperature 0 ^C		Humidity %	
		Min	Max	Min	Max
May					
Jun-17	68.0	22.4	39.6	44.1	70.3
Jul-17	371.5	22.2	33.0	63.6	87.2
Aug-17	275.0	21.7	31.8	67.1	87.9
Sep-17	189.4	23.0	32.2	64.8	83.5
Oct-17	0.0	20.0	28.2	53.8	76.3
Jun-17	68.0	22.4	39.6	44.1	70.3
Jul-17	371.5	22.2	33.0	63.6	87.2

Dholi

Months	Total rainfall (mm)	Temperature 0 ^C		Humidity %	
		Min	Maxi	Min	Maxi
Jan. 2017	Nil	8.2	22.3	100	84.6
Feb. 2017	Nil	10.1	26.1	95.8	87
March,2017	10.2	15.1	29.8	98.8	82.5
Apr-17	51.4	20.9	34.1	94.7	66
May,2017	138.2/4	23.4	33.8	95.9	68.9
June,2017	30.0/2	26.4	34.2	96.4	70
July,2017	476.8/2	26.1	32	97.3	77.6
August,2017	328.6/10	26.2	32.4	98.2	81.1
September,2017	91.8/3	26.3	33.4	99.2	74.7
Oct. 20117	29	23.2	32.8	98.8	76.4
Nov,2017	Nil	14.2	28.9	99.6	74.5
Dec,2017	Nil	10.4	32.1	99.5	85.01

Bhubhneswar

Parameters	Temperature 0 ^c		Humidity %		Rainfall (mm) / No. of rainy days	Wind Velocity	Mean Hours of Sun Shine	Evapo- transpiration (mm)
	Max	Min	Max	Min				
Months								
June,2017	35.2	26.5	87	59	122.0/15	4.8	3.8	5.5
July,2017	31.9	25.9	92	78	445.9/22	3.7	2	3.3
Aug,2017	32.9	25.8	91	76	377.0/24	2.9	4.9	3.4
Sept,2017	33.9	25.7	92	70	245.2/14	2.4	4.7	3.4
Oct. 2017	32.2	24.3	93	69	204.5/9	2.5	6	3.3
Nov,2017	.....	.....	.....	.....	.....	.....	.....	.....
Dec, 2017		.....	.....	.....	.....	.....	.....	.....

Kalyani

Months	Total rainfall (mm)	Temperature 0 ^c		Humidity %	
		Min	Max	Min	Max
May					
Jun-17	197.5	26.7	35.0	26.7	35.0
Jul-17	467.9	26.3	31.8	26.3	31.8
Aug-17	280	26.2	32.9	26.2	32.9
Sep-17	161.1	26.7	34.1	26.7	34.1

Zone IV (PZ)**Karimnagar**

Months	Total rainfall (mm)	Temperature 0 ^c	
		Min	Maxi
June	164.5	26.0	36.9
July	117.1	23.4	33.5
Aug	97.0	24.0	32.0
Sep	65.4	23.7	33.6
Oct	153.2	22.1	33.0
Nov	0.0	16.8	31.1

Kolhapur

Months	Total rainfall (mm)	Temperature 0 ^C		Humidity %	
		Min	Max	Min	Max
June	143.54	21.88	29.83	69.75	90.5
July	277.60	21.18	29.10	78.8	92.6
Aug	92.50	20.83	29.33	75	92.25
Sep	303.60	20.85	29.78	74	93.75
Oct	107.50	21.90	31.40	63.75	92.75
Nov	0.02	17.42	30.84	39.8	83.2

Kolhapur

Meteorological details	June-17	July-17	Aug-17	Sep-17	Oct-17	Nov-17
Max. Temp (°C)	32.1	31.5	31.1	31.2	30.5	29.9
Min. Temp (°C)	19.5	20.0	19.7	19.4	20.4	18.1
RH (9%) at 7.30 hrs	90.4	91.9	93.1	92.9	94.3	91.6
RH (9%) at 2.30 hrs	81.5	87.0	92.7	70.6	75.2	74.6
Total rainfall (mm)	10.5	21.2	206.3	216	79.9	36.7
Sunshine (hrs)	4.4	4.0	3.5	4.9	4.2	5.8

Coimbatore

Months	Total rainfall (mm)	Temperature 0C		Humidity %	
		Min	Max	Min	Max
June	16.7	24.2	32.5	58	82
July	27.8	23.5	32.3	56	83
Aug	38.5	23.4	31.4	61	86
Sep	218.1	23.1	30.6	65	88
Oct	132.6	22.5	31.3	59.1	88.8
Nov	55.5	21.6	30.4	56.4	85.7

Rahuri

Months	Rainfall (mm)	Rainy days	Temperature 0 ^C		Humidity %	
			Min	Max	Min	Max
June	141.6	9	34.5	23.6	75.3	47.3
July	29	4	31.0	23.2	74.6	58.1
Aug	223	5	30.6	22.3	78.3	60.7
Sep	175	7	31.5	22.3	81.7	58.2
Oct	49.4	3	32.6	19.9	68.9	46.2
Nov	0.6	0	30.3	13.4	65.7	36.7

Vagarai

Months	Total rainfall (mm)	Temperature 0 ^C		Humidity %	
		Max	Min	8.30AM	5.30PM
July	0.0	39.3	26.6	55.4	43.9
Aug	0.0	35.6	25.0	70.6	56.8
Sep	42.0	34.5	24.4	74.1	66.9
Oct	270.7	30.7	21.2	68.4	42.0
Nov	76.5	31.1	20.6	70.2	38.5
Dec	20.2	30.5	19.5	69.5	37.4
Jan	0.0	-	-	-	-

Devihusor

Month	Rain fall (mm)	No. of rainy days	Temperature 0 ^C		Relative Humidity (%)		Wind speed (kmph)	
June	30.6	3	28.6	21.9	86.1	67.3	7.3	10.1
July	96.8	9.0	26.5	21.4	89.5	78.9	8.5	10.3
August	76.2	36.0	34.9	21.3	89.8	76.5	7.2	9.8
September	190.0	153.0	27.7	21.3	91.2	77.8	4.8	6.9
October	157.4	21.0	29.2	20.9	89.9	73.8	4.6	4.8
November	.....	.....	29.9	20.9	77.7	53.1	5.8	6.7
December	.....	.....	29.0	14.5	72.2	51.3	6.1	6.9

Zone V (CWZ)

Udaipur

Months	Temperature (0 ^c)		Rainfall of Month (mm)	R.H. (%)		Sunshine (Hrs)
	Max.	Min.		Max.	Min.	
January	23.96	7.79	1.40	89.00	41.00	6.60
February	28.04	9.90	0.00	81.60	29.90	8.50
march	32.30	13.80	0.00	65.30	19.10	8.70
April	37.70	20.70	0.00	39.40	13.20	9.50
May	39.50	24.50	18.40	46.20	22.20	8.90
June	36.10	25.00	155.80	77.80	51.10	7.60
July	29.80	23.00	410.20	85.50	76.00	3.20
August	30.60	22.80	178.00	88.20	75.20	4.20
September	30.40	20.20	46.60	80.70	56.50	5.10
October	34.50	17.30	0.00	67.90	31.80	8.00
November	28.90	11.10	0.00	81.20	60.40	7.20
December	25.20	8.80	4.20	89.30	63.50	5.80

Banswara

Month:	Rainfall (mm)	Temperature 0C		Humidity %	
		Min	Max	Min	Max
01 July 2017	389.0	24.8	30.5	72.5	86.4
August-17	161.0	24.6	31.4	69.8	87.8
01 September 2017	62.8	23.5	32.8	59.1	84.9
01 October 2017	0.0	18.3	36.0	27.5	76.5
1nov to 4nov-17	0.0	13.6	34.4	20.3	72.5

Chhindwara

Months	Temperature (0 ^c)		Rainfall of Month (mm)	R.H. (%)	
	Max.	Min.		Max.	Min.
January	27.6	10.1	0	76	30
February	30.9	12.8	0	60	22
march	46.4	18.6	0	55	26
April	40.7	21.8	0	28	14
May	41.3	24.2	3	37	23
June	35.0	23.2	128.6	60	47
July	28.2	21.3	347.1	86	68
August	28.6	21.2	162.9	85	69
September	30.0	20.7	171.1	86	75
October	29.8	18.1	63	78	55
November	29.4	11.7	5	74	34
December	28.1	8.5	0	61	35

Godhra

Months	Total rainfall (mm)	Temperature 0 ^C		Humidity %	
		Min	Max	Min	Max
July	115.7	26.6	36.8	45	71
Aug	605.7	24.5	30.3	72	86
Sep	118.3	24.7	31.5	66	83
Oct	47.0	24.3	32.6	61	81
Nov	0.0	20.3	35.7	33	64
Dec	0.0	15.2	32.0	28	56
Jan	115.7	26.6	36.8	45	71

Jagadapur

Months	Total rainfall (mm)	Temperature 0 ^C		Humidity %	
		Max	Min	Max	Min
July	416.8	29.1	22.8	92.3	74.1
Aug	329.4	29.6	22.7	95.0	79.9
Sep	247.0	31.3	22.7	93.1	69.4
Oct	235.9	30.8	20.7	96.2	62.4
Nov	0.0	28.9	14.1	95.8	45.9
Dec	0.0	28.5	8.0	96.1	31.5

Raipur

Month:	Rainfall (mm)	Temperature 0C		Humidity %		Rainy days
	Total	Min	Max	Min	Max	
Jun-17	177.4	26.8	37.8	46.5	74	16
Jul-17	174.6	25.3	30.4	66.9	88.2	23
Aug-17	159.2	25.3	31.8	70	91	20
Sep-17	196.6	25.2	32.2	68	91	15
Oct-17	50.4	23.5	32.5	54	90	6
Nov-17	1	16.5	29.9	38	86	1

Chitrakoot

Month:	Rainfall (mm)	Temperature 0 ^C		Humidity %	
		Min	Max	Min	Max
June , 2017	47	21	46	30	94
July, 2017	487	19	42	47	100
August, 2017	218	21	40	52	93
September, 2017	95	22	42	51	100
October, 2017	0	13	43	48	88
November, 2017	0	7	36	41	92
December, 2017	0	5	32	47	84

Proforma for Submission of Proposals
for Identification of Crop Varieties/
Hybrids by Workshops



Indian Council of Agricultural Research

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Summary of Proposal (in bullets only)

Proforma for Submission of Proposals for Identification of Crop Varieties/ Hybrids by Workshops

1	Name of the crop and species	:	
2	a) Name of the variety under which tested in AICRP trials	:	
	b) Proposed name of the variety	:	
3	Sponsored by (institute)	:	
4	a) Institution or agency responsible for developing variety (with full address)	:	
	b) Name of the person who helped in the development of the variety Developers Collaborators	:	
5	a) Parentage (with details of its pedigree including source from which variety/Inbred/ A, B and R lines of hybrid has been developed)	:	
	b) Source of material in case of introduction	:	
	c) DNA profile of variety/hybrid/inbred/A, B, R line of hybrid vis-à-vis check variety/ line	:	
	d) Breeding method used	:	
	e) Breeding objective	:	
6	State the varieties which are most closely resemble the proposed variety in general characters	:	
7	Recommended productions ecology (Rainfed/Irrigated; high/low fertility; season)	:	
8	Specific area of its adaptation (zones and states for which variety is proposed) and recommended productions ecology	:	
9	Description of hybrid/variety	:	

	a) Plant height	:			
	b) Distinguishing morphological characters	:			
	c) Maturity (range in number of days) (from seedling/ transplanting to flowering, seed to seed)	:			
	d) Maturity group (early, medium and late wherever such classification exists)	:			
	e) Reaction to major diseases under field and controlled conditions (reaction to physiological strains/ races/pathotypes/ bio-types to be indicated wherever possible)	:			
	f) Reaction to major pests (under field and controlled condition including store pests)	:			
	g) Agronomic features (e.g. resistance to lodging, shattering, fertilizer responsiveness, suitability to early or late sown conditions, seed rate etc.)	:			
	h) Quality of produce	:			
	Grain quality	:			
	Fodder quality	:			
	i) Reaction to stresses	:			
10	Description of the parents of the hybrid	:	A line/Inbred 1	B line/Inbred 2	R line
	a) Plant height (cm)	:			
	b) Distinguishing morphological characters	:			
	c) Days to flowering	:			
	d) Days to maturity (range in number of days – from seed to seed)	:			
	e) Is there any problem of synchronization? If yes, method to overcome it	:			
	f) Reaction to major diseases	:			

	(under field and controlled conditions, reaction to physiological strains/ races/bio-types/ pathotypes to be indicated wherever possible)			
	g) Reaction to major pests (under field and controlled conditions including store pests)	:		
	h) Agronomic features (e.g. resistance to lodging, shattering, fertilizer responsiveness, suitability to early or late sown conditions, seed rate etc.)	:		
	i) Reaction to stresses	:		
11	a) Yield data in coordinated trials (breeding, agronomy, pathology, entomology, quality etc) regional/inter regional district trials year wise (levels of fertilizer application, density of plant population and superiority over local control/standard variety to be indicated (to be attached)	:		
	b) Yield data from national, demonstration/large scale demonstrations (to be attached)	:		
12	a) Agency responsible for maintaining breeder seed	:		
	b) Quantity of breeder seed in stock (kg) Variety A line B line R line Hybrid	:		
13	Specific recommendations, if any, for seed production (e.g. staggered sowing, plating ratio of parental lines of hybrids in foundation and certified seed production, probable area of	:		

	seed production)		
14	Vivid presentation (field view, close-up of single plant and seed/economic parts)		
15	Package of practices along with attainable yield levels		<ul style="list-style-type: none"> a) Sustainability of variety for the area; b) Selection of field/land preparation; c) Seed treatment; d) Sowing time; e) Seed rate/sowing method-line sowing with Row to row & Plant to Plant distance; f) Fertilizer doses; g) Weed control; h) Disease & Pest Control; i) Irrigation; j) Harvesting; k) Quality characteristics of the variety, if any
16	Any other pertinent information	:	

Signature of all contributors

Signature of Head of institution

Checklist for proforma for submission of proposal for Identification of Crop Varieties/ Hybrids by Workshops

Details/document	Attached	
	Yes	No
Parentage with details of its pedigree including source from which variety/Inbred/A, B and R lines of hybrid has been developed	Yes	No
Source of material in case of introduction (IC/EC numbers provided by NBPGR)	Yes	No
Flow chart of details of development of variety/ parental lines of hybrids	Yes	No
Molecular/ DNA profile of variety/hybrid/A, B, R line of hybrid vis-à-vis check variety/ line (details of unique amplicons that distinguishing markers along with photographs	Yes	No
Detailed description of hybrid/variety	Yes	No
Detailed description of the parental lines of hybrid	Yes	No
Yield data and other data on diseases, insect-pest, quality etc. from coordinated trials	Yes	No
Yield data from national, demonstration/large scale demonstrations	Yes	No
Specific recommendations, if any, for seed production (e.g. staggered sowing, plating ratio of parental lines of hybrids in foundation and certified seed production, probable area of seed production etc.)	Yes	No
Vivid presentation (field view, close-up of single plant and seed) with the help of photographs of the variety)	Yes	No
Package of practices	Yes	No
Proforma signed by all co-authors and Head of Organization	Yes	No
Any other pertinent information	Yes	No

Signature of Head of Institution

Table 1. Summary yield data of Coordinated Varietal Trials

Name of proposed variety/Hybrid:-----						Adaptability Zone -----				
	Year of testing	No. of trials/locations	Proposed variety	National Check 1	Zonal Check 2	Local check 3	Latest release Check 4	Qual. Var. 1	Qual. Var. 2	Qual. Var. 3
Mean yield (Q/ha) a) Zonal b) across Zones (If applicable)	1 st year									
	2 nd year									
	3 rd year									
	Weighted Mean									
Percentage increase or decrease over the checks & qualifying varieties	1 st year									
	2 nd year									
	3 rd year									
	Weighted mean									
Frequency in the top three group (pooled for three years)										

Note:

1. Qualifying variety is one which has completed three years of testing in coordinated trials
2. Centre- wise and year -wise data must be appended, otherwise proposal will not be considered

Table 2. Adaptability to Agronomic Variables

Name of proposed variety/Hybrid:-----					Adaptability Zone -----				
					Production condition-----				
Nature of Expt.	Item	Proposed variety	National Check 1	Zonal Check 2	Local check 3	Latest release Check 4	Qual. Var. 1	Qual. Var. 2	Qual. Var. 3
Sowing date experiments	Yield (Q/ha) under recommended sowing date								
	Percentage gain or loss when sown	i) Early ii) Normal iii) Late							
Fertilizer experiments	Yield (Q/ha) under recommended dose								
	Percentage gain or loss under other doses	i) F ₀ ii) F ₁ iii) F ₂							
Irrigation experiments (wherever applicable)	Yield (Q/ha) with adequate irrigation								
	Percentage gain or loss with irrigation level	i) Level 1 ii) Level 2 iii) Level 3							

Note: specify each date of sowing, fertilizer level and number of irrigations at i, ii, iii

Table 5. Data on Quality Characteristics

Quality Characterist.	Item	Proposed Variety	National Check 1	Zonal Check 2	Local check 3	Latest release Check 4	Qual. Var. 1	Qual. Var. 2	Qual. Var. 3
Parameter -1									
Parameter -2									
Parameter -3									
Parameter -4									

Note : Specify the parameters at 1 to 4 under first column

Guidelines for Filling-up Proforma for Submission of Proposals for Identification of Crop Varieties/ Hybrids by the Workshops

1. Name of the crop and species
The name given to the variety may be indicative of crop name, institute name/code, and number, if any.
2. Name of the variety under which tested
This should include the name under which the variety was tested in coordinated trials.
3. Proposed name of the variety
This should include the name of the variety that is being proposed for its commercial use as per existing guidelines.
4. Sponsored by (institute)
This should include the name of the institute/organization that is sponsoring the variety
5. Institution or agency responsible for developing variety (with full address)
Institute or organization where the variety was developed along with full address
6. Name of the person who helped in the development of the variety
Only those workers should be included who have contributed in the development of variety/hybrid. The co-workers can be grouped in 2 categories as ‘Developer’ and ‘Collaborator’. The co-worker should be associated with the project (from which cultivar has been developed) for a period of minimum of 2 years. The proposal should be signed by each of co-worker and validated by Head of Organization.
7. Parentage (with details of its pedigree including source from which variety/Inbred/ A, B and R lines of hybrid has been developed)
This should essentially include the details of base population/ source of material used for developing the variety/parental lines of hybrid. Pedigree and parentage have to be furnished in detail as to how the parents have been developed with flow charts instead of just giving the code numbers. Flow chart should clearly depict the development of the proposed culture with year-wise details of attempting the initial cross followed by handling of segregating generation.
The details of indigenous collection (IC) or exotic collection (EC) number of accessions (provided by NBPGR), if used, in the development of variety or parental lines of hybrids must be provided. Please note that this IC number is different from the one that is provided by NBPGR upon submission of seed sample of line/hybrid/variety once variety/ hybrid is recommended by the Variety Identification Committee (VIC).
8. Source of material in case of introduction
Details of EC (Exotic collection) number provided by NBPGR for the imported material used in variety development.

9. DNA profile of variety/hybrid/inbred/A, B, R line of hybrid vis-à-vis check variety/line

Detailed information on the molecular discrimination should be provided. Such information can be developed at crop based institutes/NBPGR/Other labs. The information should include details of amplicons (name, sequence number, primer sequence) with reference to polymorphic markers. The relevant photographs should also be attached.

10. Breeding method used

The method used in developing the variety/parental line

11. Breeding objective

The breeding objective in the development of variety

12. State the varieties which are most closely resemble the proposed variety in general characters

The information should include the name of the varieties that resemble most closely with proposed variety with reference to different phenotypic traits.

13. Specific area of its adaptation (zones and states for which variety is proposed) and recommended productions ecology

The information on zones (name of the states), season and production conditions whether rainfed or irrigated should be mentioned.

14. Description of hybrid/variety

The average and expected normal range with respect to various characters may be mentioned.

15. Description of the parents of the hybrid

The average and expected normal range with respect to characters may be mentioned with reference to inbred/A line/ B line/ R line.

16. Yield data in coordinated trials (breeding, agronomy, pathology, entomology, quality etc) regional/inter regional district trials year wise (levels of fertilizer application, density of plant population and superiority over local control/standard variety to be indicated (to be attached)

The yield data and other data of coordinated trials and other details as per the format of tables should be appended. Please note that mean is 'weighted mean' and not 'arithmetic mean'.

17. Yield data from national, demonstration/large scale demonstrations (to be attached)

The yield and other details as per the format of tables should be appended.

18. Agency responsible for maintaining breeder seed

Name of the institute/organization/agency that is responsible to maintain the breeder seed of variety/parental line of hybrid.

19. Quantity of breeder seed in stock (kg)

Quantity (kg) of available seed with reference to variety, hybrid, inbred/ A/B/R lines of hybrid to be clearly indicated.

20. Information on acceptability of the variety by farmers/ consumers/ industry

Any information on such aspects can be given

21. Specific recommendations, if any, for seed production (e.g. staggered sowing, plating ratio of parental lines of hybrids in foundation and certified seed production, probable area of seed production)

The seed production technology and specific requirements should clearly be mentioned along with proposal. With respect to seed production of hybrid, the staggered sowing of parental lines, if required, should be clearly indicated. The planting ratio of male and female parents in the seed production plots should also be indicated. In addition, if there are some other precautions to be taken they are to be clearly mentioned. The probable area of seed production needs to be given.

22. Vivid presentation (field view, close-up of single plant and seed/economic parts)

The proposal should invariably have coloured pictures with a clear field view of variety, a close-up of single plant and seed/economic part. Photograph of other plant parts which can be helpful in identification of varieties can also be given. The cover page of proposal should also have a coloured photograph of variety and should be well-designed.

23. Package of practices along with attainable yield levels

A note on the package of practices of crop with respect to the variety needs to be provided particularly highlighting specific requirement of variety to realize its attainable yield levels.

24. Any other pertinent information

Any other relevant information which is important with reference to variety, hybrid or parental lines of hybrids.

25. Others

- One-page 'executive summary' of proposal may be provided in the beginning highlighting the specific features of the variety/hybrid. Excessive presentation in executive summary needs to be avoided.
- Page numbers should be provided at each page of proposal.
- Check-list needs to be part of the proposal.

- The CVRC proposal should be scrutinized at the level of Project Coordinator/Project Director before submission to CVRC. PCs/PDs will provide their comments on the proposal to member secretary (CVRC).



अखिल भारतीय समन्वित मक्का सुधार परियोजना ALL INDIA COORDINATED MAIZE IMPROVEMENT PROJECT (AICMIP)



On-line Automation System

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AICMIP Automation System

All India Coordinated Maize Improvement Project, the first All-India Coordinated Research Project (AICRP) was established in 1957. Today, AICRP-Maize is a **unique network of 34 centres** spread across **23 states** of the country. AICMIP Automation is developed to plan, create and monitor coordinated trials by the project directorate. Developed under aegis of **KRISHI** (ICAR Research Data Management for Knowledge Management), the automation system is expected to improve AICMIP.

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