

Proceedings of VIC Meeting held during 61st Annual Maize Workshop

During 61st Annual Maize Workshop, held at Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishvavidyalaya (CSKHPKV), Hill Agricultural Research and Extension Centre (HAREC), Bajaura, Himachal Pradesh, during 7-9 April, 2018, the Variety Identification Committee (VIC) meeting was convened under the Chairmanship of Dr. I. S. Solanki, Assistant Director General (Crop Sciences), ICAR, New Delhi at 1st Floor, Sandhya Palace, Shamshi Bhunter on 8th April, 2018.

The following were present during the meeting.

1. Dr. I. S. Solanki, Assistant Director General (FFC), : Chairman
Indian Council of Agricultural Research, New Delhi
2. Dr. S. K. Malhotra, Agriculture Commissioner, : Member
Ministry of Agriculture, Govt. of India
3. Dr. D. R. Thakur, ADR, CSKHPKV, HAREC, Bajaura : Member
4. Mr. M. N. Kathale, MSSC Ltd., Akola : Member
5. Dr. Bijender Pal, Deputy Director Research, Global : Member
Lead, Corn Breeding, Sri Ram Bioseed, Hyderabad
6. Dr. V. Narasimha Reddy, Pr. Sci. & Head, MRC, : Member
PJ TSAU, Hyderabad
7. Dr. N. K. Singh, Professor, GBPUAT Pantnagar : Member
8. Director, ICAR-IIMR : Member Secretary

The meeting was also attended by the following resource persons

1. Dr. K.S. Hooda, PI Plant Pathology, ICAR-IIMR
2. Dr. A.K. Singh, PI, Agronomy, ICAR-IIMR
3. Dr. Dharam Paul Chaudhary, PI, Biochemistry, ICAR-IIMR
4. Dr. Ramesh Kumar, PI, Quality Protein Maize, ICAR-IIMR
5. Dr. Chikkappa G. Karjagi, PI, Specialty Corn, ICAR-IIMR
6. Dr. P. Lakshmi Soujanya, Entomology, ICAR-IIMR
7. Dr. Bhupender Kumar, PI, Normal Maize, ICAR-IIMR

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A total 32 entries were tested for second year in Advance Varietal Trial for (AVT II) either during rabi 2016-17 or kharif 2017. Out of 32 entries, nine entries were tested in rabi season and 23 entries were tested during kharif season. Nine entries of rabi season comprising four of late maturity and five of medium maturity, whereas the remaining 23 were of kharif season includes two of late maturity, three each of medium and early maturity, one of QPM, four of popcorn, three of sweet corn and seven of baby corn. Out of 32 entries, the proposals received for identification of variety by VIC for release and notification were fourteen by different institutions/organizations.

The 14 proposals includes, one of late maturity tested in rabi season and the remaining thirteen proposals were for kharif season comprising two of late maturity and three each of medium and early maturity, two of sweet corn and three of baby corn. The VIC examined as per the variety identification guidelines, the consistency and yield superiority in multi-location, multi-year weighted mean yield data generated in IVT, AVT-I and AVT-II stage of testing, three year data on reaction to major diseases generated in IVT, AVT-I and AVT-II stage of testing and two year data on reaction to major pests generated in AVT-I and AVT-II stage of testing and one-year data of agronomic evaluation for NXG generated at AVT-II stage of testing. Based on the consistence superiority of the proposed entry over the best check in the respective zones like Northern Hill Zone (NHZ or Z-I), North West Plain Zone (NWPZ or Zone-II), North East Plain Zone (NEPZ or Z-III), Peninsular Zone (PZ or Zone-IV) and Central West Zone (CWZ or Z-V) for which the entry was proposed, the following decisions were taken on each of the proposals with respect to identification of entries for release and notification. In addition to above fourteen proposals, another proposal of hybrid EHQ-64 was also received which was evaluated in zonal trial in CWZ.

The decisions taken by VIC on each of the proposal are as follows.

Rabi season Late Maturity

1. **DKC 9165 (IM 8119):** The hybrid DKC 9165 was proposed for NWPZ, NEPZ, PZ and CWZ under late maturity for Rabi season. The entry showed 9.9, 19.9, 18.7 and 18.9 per cent yield superiority over the best check in NWPZ, NEPZ, PZ, and CWZ respectively. However, the entry was not tested for agronomic performance in NEPZ, and PZ, hence the committee suggested generating agronomic performance data in NEPZ, and PZ. Thus, the entry *was identified and recommended* for release for CWZ.

Kharif Season Late Maturity

2. **ADV 7022:** The hybrid ADV 7022 was proposed for PZ in kharif season under late maturity. The entry was superior over the best check in PZ by 10.32% for yield, was also comparable with the best check for agronomic performance and showed moderate resistance to major diseases and pests hence it *was identified and recommended* for release for PZ.
3. **DKC (9164) IP9002:** The hybrid was proposed for CWZ. The yield, reaction to major pests and diseases, and agronomic performance data was considered carefully and found that

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Kharif season Baby Corn


12. **IMHB 1532:** The hybrid IMHB 1532 was proposed for NWPZ and CWZ under baby corn for kharif season. The entry was superior over the best check HM-4 for baby corn yield without husk by 12.81 and 13.39 per cent in NWPZ and CWZ respectively; hence, it *was identified and recommended* for release for NWPZ and CWZ.
13. **GAYMH-1:** The hybrid GAYMH-1 was proposed for NHZ, NEPZ, PZ and CWZ under baby corn for kharif season. The entry was superior over the best check HM-4 by 11.6, 6.9, 12.9 and 11.4 per cent for baby corn yield without husk in NHZ, NEPZ, PZ and CWZ respectively. Hence, the entry *was identified and recommended* for release for PZ and CWZ.
14. **IMHB 1539:** The hybrid IMHB 1539 was proposed for NHZ under baby corn for kharif season. The entry was superior over the best check HM-4 for baby corn yield without husk by 23.2% in NHZ; hence, the entry *was identified and recommended* for release for NHZ.

In addition to above 14 proposals, another proposal EHQ-64 was received based on zonal evaluation data generated at CWZ. The proposal was not considered as the zonal data will not be considered for identification and release.

The meeting ended with vote of thanks to the VIC.


(I.S. Solanki) 8.4.18

ADG (FFC) Chairman-VIC


(Sujay Rakshit) 8.4.18

Member Secretary-VIC