

Proceedings of VIC Meeting held through Video Conferencing

Variety Identification Committee (VIC) Meeting of AICRP on Maize was held on May 05, 2020 at 10:30 AM through Video Conferencing. The meeting was conducted under the chairmanship of Dr. T.R. Sharma, Deputy Director General (Crop Science), Indian Council of Agricultural Research, New Delhi. Ten members of the VIC along with five resource persons from ICAR-Indian Institute of Maize Research (ICAR-IIMR) attended the meeting.

The following members were present in the meeting:

1. Dr. T.R. Sharma, Deputy Director General (Crop Science), Indian Council of Agricultural Research, New Delhi : Chairman
2. Dr. S.K. Malhotra, Agricultural Commissioner, DAC&FW, GOI : Member
3. Dr. Y.P. Singh, Asst. Director General (FFC), Indian Council of Agricultural Research, New Delhi. : Member
4. Dr. D.K. Yadav, Asst. Director General (Seeds), Indian Council of Agricultural Research, New Delhi. : Member
5. Dr. Dinesh Kumar Agarwal, Director, ICAR-IISR, Mau : Member
6. Dr. Y.G. Shadakshari, Director Research, UAS Bengalure : Member
7. Dr. Prabir Paul, Representative of Ganga Kaveri, Private Seed Co. : Member
8. Dr. S.K. Guleria, Senior Maize Breeder, HPKV HRES Bajaura : Member
9. Dr. Ravi Keshavan, Senior Maize Breeder, TNAU, Coimbatore : Member
10. Dr. Sujay Rakshit, Director, ICAR-IIMR : Member Secretary

The following two members could not attend the meeting:

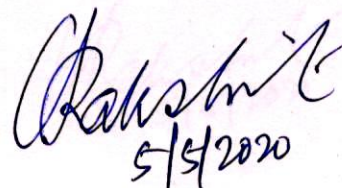
1. Director Agriculture, Telangana State : Member
2. Representative from Maharashtra State Seed Corporation : Member

The meeting was also attended by the following resource persons

1. Dr. J.C. Sekhar, PI, Plant Protection, WNC, ICAR-IIMR, Hyderabad
2. Dr. Aditya K Singh, PI, Agronomy, ICAR-IIMR, Ludhiana
3. Dr. S.B. Singh, PI, Field Corn, RMR&SPC, ICAR-IIMR, Begusarai
4. Dr. Ramesh Kumar, AICRP Nodal Officer & PI, QPM, ICAR-IIMR, Ludhana
5. Dr. Chikkappa G. Karjagi, PI, Specialty Corn, Unit Office, ICAR-IIMR, New Delhi

There were 50 entries which have completed three years of testing during *rabi* 2018-19 (19) and *kharif* 2019 (31); out of which 26 proposals were received for identification by VIC for release




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and notification. The proposals included 7 of *rabi* and 19 of *kharif* season varieties. Out of seven entries of *rabi*, 6 proposal were of long duration and one was of medium maturity, whereas 19 proposal of *kharif* included long duration (8), medium (3), QPM (4), OPVs (2), baby corn and sweet corn – one each. The total of 26 proposals included 9 from public sector and 17 from private seed companies. Total number of organizations submitted proposals was 18 which included 6 public sector institutes and 12 private sector seed companies.

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 NIVT, AVT-I and AVT-II stage of testing. Besides three year data on reaction to major diseases generated in NIVT, AVT-I and AVT-II stage of testing and two year data on reaction to major insect pests generated in AVT-I and AVT-II stage of testing and one-year data of agronomic evaluation for Nutrient × genotype × spacing interaction generated at AVT-II stage of testing. Based on the consistency in superiority of the proposed entries 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 entries was proposed, the following decisions were taken on each of the proposals with respect to identification of entries for release and notification.

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

Rabi season long duration

1. **DKC 9188**: The hybrid was proposed for NEPZ and CWZ under long duration for *rabi* season. Since the hybrid was not superior over the best check, it **was not identified, hence not recommended** for release.
2. **GK 3208**: The hybrid was proposed for NWPZ under long duration for *rabi* season. Since the hybrid was not superior over the best check, it **was not identified, hence not recommended** for release.
3. **ADV 7037**: The hybrid was proposed for NWPZ and PZ under long duration for *rabi* season. The entry was superior over the best check for yield by 6.8% in PZ and was not superior over the best check in CWZ. Hence, it **was identified and recommended** for release in PZ.
4. **MM 2033**: The hybrid was proposed for PZ under long duration for *rabi* season. Since the hybrid was not superior over the best check, it **was not identified, hence not recommended** for release.
5. **PM 16202L**: The hybrid was proposed for PZ and CWZ under long duration for *rabi* season. The entry was superior over the best check for yield by 4.8% in PZ and 8.3% in CWZ. Hence it **was identified and hence recommended** for release in PZ and CWZ.
6. **PM 16205L**: The hybrid was proposed for CWZ under long duration for *rabi* season. The entry was superior over the best check for yield by 9.8% in CWZ. Hence, it **was identified and recommended** for release in CWZ.

Rabi season medium Maturity

7. **IM 8013**: The hybrid was proposed for NWPZ, NEPZ, PZ and CWZ under medium maturity for *rabi* season. The entry showed 17.1%, 16.0%, 17.8% and 15.8% yield superiority over the best check in NWPZ, NEPZ, PZ and CWZ, respectively. Hence it **was identified and recommended** for release in NWPZ, NEPZ, PZ and CWZ.

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Kharif season long duration

8. **BIO 218**: The hybrid was proposed for NWPZ under long duration for *kharif* season. Since the hybrid was not superior over the best check, it ***was not identified, hence not recommended*** for release.
9. **CP 858**: The hybrid was proposed for NWPZ and NEPZ under long duration for *kharif* season. The entry was superior over the best check for yield by 7.9% in NWPZ and 7.1% in NEPZ. Hence it ***was identified and recommended*** for release in both NWPZ and NEPZ.
10. **HT 17169**: The hybrid was proposed for NWPZ under long duration for *kharif* season. The entry was superior over the best check for yield by 5.1% in NWPZ. Hence it ***was identified and recommended*** for release in NWPZ.
11. **JH 16081**: The hybrid was proposed for NWPZ under long duration for *kharif* season. Since the hybrid was not superior over the best check, it ***was not identified, hence not recommended*** for release.
12. **PM 16103L**: The hybrid was proposed for NWPZ under long duration for *kharif* season. The entry was superior over the best check for yield by 12.4% in NWPZ. Hence, it ***was identified and recommended*** for release in NWPZ.
13. **ADV 1390164**: The hybrid was proposed for NWPZ under long duration for *kharif* season. The entry was superior over the best check for yield by 9.5% in NWPZ. Hence, it ***was identified and recommended*** for release in NWPZ.
14. **RASI 3499**: The hybrid was proposed for NEPZ under long duration for *kharif* season. The entry was superior over the best check for yield by 5.8% in NEPZ. Hence, it ***was identified and recommended*** for release in NEPZ.
15. **ADV 1930064**: The hybrid was proposed for PZ under long duration for *kharif* season. The entry was superior over the best check for yield by 5.6% in PZ. Hence, it ***was identified and recommended*** for release in PZ.

Kharif season medium maturity

16. **DKC 8181**: The hybrid was proposed for NHZ under medium maturity for *kharif* season. Since the hybrid was not superior over the best check, it ***was not identified, hence not recommended*** for release.
17. **PM 17102M**: The hybrid was proposed for NHZ under medium maturity for *kharif* season. Since the hybrid was not superior over the best check, it ***was not identified, hence not recommended*** for release.
18. **RCRMH 2**: The hybrid was proposed for CWZ under medium maturity for *kharif* season. Since the hybrid was not superior over the best check, it ***was not identified, hence not recommended*** for release.

Kharif season QPM

19. **IQPMH 1601 (IIMRQPMH 1601)**: The hybrid was proposed for NWPZ under QPM category for *kharif* season. The entry was superior over the best check for yield by 13.8% in NWPZ. Hence, it ***was identified and recommended*** for release in NWPZ.

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20. **IQPMH 1705 (IIMRQPMH 1705)**: The hybrid was proposed for CWZ under QPM category for *kharif* season. The entry was superior over the best check for yield by 29% in CWZ. Hence, it **was identified and recommended** for release in CWZ.
21. **QPMMH 27**: The hybrid was proposed for NWPZ under QPM category for *kharif* season. Since the hybrid was not superior over the best check, it **was not identified, hence not recommended** for release.
22. **VEQH 16-1**: The hybrid was proposed for NWPZ under QPM for category for *kharif* season. The entry was superior over the best check for yield by 54.9% in NWPZ. Hence, it **was identified and recommended** for release in NWPZ.

Kharif season baby corn

23. **AH 7043**: The hybrid was proposed for NHZ, NEPZ, PZ and CWZ under baby corn category for *kharif* season. The entry was superior over the best check for yield by 17.9% in NHZ, 19.8% in NEPZ, 32.3% in PZ but was not superior over the best check in CWZ. Hence, it **was identified and recommended** for release in NHZ, NEPZ and PZ.

Kharif season sweet corn

24. **NUZI 260**: The hybrid was proposed for NWPZ, NEPZ, PZ and CWZ under sweet corn category for *kharif* season. The entry was superior over the best check for yield by 17.1% in NWPZ, 22.4% in NEPZ, 9.4% in PZ but was not superior over the best check in CWZ. Hence it **was identified and recommended** for release in NWPZ, NEPZ and PZ.

Kharif season OPV

25. **RCM 1-61**: The composite or open pollinated variety (OPV) was proposed for NHZ under for *kharif* season. The entry was superior over the best check for yield by 13% in NHZ. Hence, it **was identified and recommended** for release in NHZ. The proposing institute needs to clarify the name(s) of developers and collaborators in the proposal before submitting for final release.
26. **RCM 1-76**: The composite or open pollinated variety (OPV) was proposed for NHZ under for *kharif* season. The entry was superior over the best check for yield by 14.3% in NHZ. Hence, it **was identified and recommended** for release in NHZ. The proposing institute needs to clarify the name(s) of developers and collaborators in the proposal before submitting for final release.

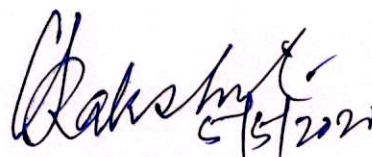
Out of 26 proposals received for identification, 17 proposal were identified by VIC for further release and notification by CVRC.

The meeting ended with a vote of thanks to the chair.



(T.R. Sharma)

DDG (Crop Science), ICAR
Chairman-VIC



(Sujay Rakshit)

Director, ICAR-IIMR
Member Secretary-VIC

