

Proceedings of the Varietal Identification Committee (VIC) meeting held in hybrid mode (physically and also through video conferencing)

The Varietal Identification Committee (VIC) meeting of AICRP on Maize was held on May 9th, 2024, at 5:00 PM in hybrid mode (physically and also through video conferencing) at Agriculture Hub (AgHub) Committee Room, Professor Jayashankar Telangana Agriculture University (PJTSAU) Hyderabad. The meeting was conducted under the chairmanship of Dr. T. R. Sharma, Deputy Director General (Crop Science), Indian Council of Agricultural Research, New Delhi. Thirteen VIC members and seven resource persons from the ICAR-Indian Institute of Maize Research (ICAR-IIMR) attended the meeting.

The following members were present during the meeting:

1. Dr. T. R. Sharma, Deputy Director General (Crop Science), Indian Council of Agricultural Research, New Delhi : Chairman
2. Dr. S. K. Pradhan, Asst. Director General (FFC), Indian Council of Agricultural Research, New Delhi : Member
3. Dr. D. K. Yadava, Asst. Director General (Seeds), Indian Council of Agricultural Research, New Delhi : Member
4. Dr. Sanjay Kumar Singh, Director, ICAR-IISS, Mau (online) : Member
5. Director Research nominee PJTSAU, Hyderabad : Member
6. Smt. Y Madhavi, Director of Agriculture, Telangana state department (nominee) : Member
7. Dr. A. Britto, Regional Manager, NSC Secundrabad : Member
8. Sh. Karan Veer Rana, Rana Sugars, Punjab (Representative of crop-based processing/manufacturing industry) : Member
9. Dr. Bijendra Pal, Bioseed (Representative of private seed industry) : Member
10. Dr. NK Singh, Sr. Maize Breeder, GBPUAT, Pantnagar : Member
11. Dr. D. Swain, In-charge, AICRP on Maize Bhubaneshwar : Member
12. Dr. HS Jat, Director ICAR-IIMR Ludhiana : Member

The meeting was also attended by the following resource persons from ICAR-IIMR Ludhiana:

1. Dr. J. C. Sekhar, PI, Entomology, WNC, ICAR-IIMR, Hyderabad
2. Dr. Aditya Kumar Singh, PI, Agronomy, ICAR-IIMR, Ludhiana
3. Dr. S. B. Singh, PI, Field Corn (Rabi maize), ICAR-IIMR, Ludhiana
4. Dr. Dharam Paul, PI, Biochemistry, ICAR-IIMR, Ludhiana
5. Dr. Ramesh Kumar, AICRP Nodal Officer & PI, QPM, ICAR-IIMR, Ludhiana
6. Dr. Bhupender Kumar, Sr. Scientist (PI, Kharif maize), ICAR-IIMR, Ludhiana

In total, 51 entries were tested in the final year during Rabi 2022-23 (15) and Kharif 2023 (36). Out of 51 entries, 37 proposals were received by the VIC for identification. Out of 37 proposals, 22 were from the public sector and 15 were from the private sector. There are nine Rabi proposals and 28 Kharif proposals. Of the 9 entries from Rabi, four each were belonging to late and medium maturity, and one was popcorn. There were 28 proposals for Kharif, including 14 for field corn (5 for late, 4 for medium, and 5 for early maturation), 9 for bio-fortified corn, 3 for baby corn, and one each for sweet corn and composite variety.

The VIC examined each proposal 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 this, the three-year data on reaction to major diseases generated in NIVT, AVT-I and AVT-II stage of testing, two-year data on reaction to major insect pests generated in AVT-I and AVT-II stage and one-year data of agronomic evaluation for $N \times G \times$ spacing interaction generated at AVT-II stage of testing was also examined. Based on the consistency in superiority of the proposed entry over the best relevant check in the respective zones like Northern Hill Zone (NHZ or Zone-1), North West Plain Zone (NWPZ or Zone-II), North East Plain Zone (NEPZ or Zone-III), Peninsular Zone (PZ or Zone-IV) and Central West Zone (CWZ or Zone-V) for which the entry was proposed, the following decisions were taken on each of the proposal for identification of entries for release and notification:

Rabi season Late maturity

1. **ADV 7733:** The said hybrid was proposed for NEPZ in late maturity group for the *Rabi* season. The hybrid was found superior over the best relevant check, hence it was identified and **recommended** for release in NEPZ.
2. **VNR 4597:** The said hybrid was proposed for PZ in late maturity group for the *Rabi* season. The hybrid was found superior over the best relevant check, hence it was identified and **recommended** for release PZ.
3. **PM 20205L:** The said hybrid was proposed for PZ in late maturity group for the *Rabi* season. The hybrid was found superior over the best relevant check, hence it was identified and **recommended** for release in PZ.
4. **TMMH 2882:** The said hybrid was proposed for CWZ in late maturity group for the *Rabi* season. The hybrid was found superior over the best relevant check, hence it was identified and **recommended** for release in CWZ.

Rabi season Medium maturity

5. **IMHSB 20R-10:** The said hybrid was proposed for NWPZ in medium maturity group for the *Rabi* season. The hybrid was found superior over the best relevant check, hence it was identified and **recommended** for release NWPZ.
6. **SYN 207660:** The said hybrid was proposed for NWPZ and PZ in medium maturity group for the *Rabi* season. The hybrid was found superior over the best relevant check, hence it was identified and **recommended** for release NWPZ and PZ.
7. **SYN 207884:** The said hybrid was proposed for NWPZ in medium maturity group for the *Rabi* season. The hybrid was found superior over the best relevant check, hence it was identified and **recommended** for release NWPZ.
8. **IMHSB 20R-6:** The said hybrid was proposed for NEPZ in medium maturity group for the *Rabi* season. The hybrid found superior over the best relevant check, hence it was identified and **recommended** for release NEPZ.

Rabi season Popcorn

9. **HPC4:** The said hybrid was proposed for NWPZ in popcorn for the *Rabi* season. Since the hybrid found superior over the best relevant check, hence it was identified and **recommended** for release NWPZ.

Kharif season Late maturity

10. **PM 21111L:** The said hybrid was proposed for NWPZ and CWZ in late maturity group for the *Kharif* season. Since the hybrid found superior over the best relevant check, hence it was identified and **recommended** for release NWPZ and CWZ.
11. **ADV 7211:** The said hybrid was proposed for PZ in late maturity group for the *Kharif* season. Since the hybrid found superior over the best relevant check, hence it was identified and **recommended** for release in PZ.
12. **KMH 8333:** The said hybrid was proposed for PZ in late maturity group for the *Kharif* season. Since the hybrid was found superior over the best relevant check, hence it was identified and **recommended** for release PZ.
13. **BIO 207:** The said hybrid was proposed for PZ in late maturity group for the *Kharif* season. Since the hybrid found superior over the best relevant check, hence it was identified and **recommended** for release in PZ.
14. **R 8050:** The said hybrid was proposed for CWZ in late maturity group for the *Kharif* season. Since the hybrid was found superior over the best relevant check, hence it was identified and **recommended** for release in CWZ.

Kharif season Medium maturity

15. **IMHSB 20K-11:** The said hybrid was proposed for NEPZ in medium maturity group for the *Kharif* season. Since the hybrid found superior over the best relevant check, hence it was identified and **recommended** for release in NEPZ.
16. **JKMH 4546:** The said hybrid was proposed for PZ in medium maturity group for the *Kharif* season. Since the hybrid was found superior over the best relevant check, hence it was identified and **recommended** for release in PZ.
17. **IMHSB 20K-10:** The said hybrid was proposed for NEPZ in medium maturity group for the *Kharif* season. It was found superior over the best relevant check, hence it was identified and **recommended** for release NEPZ.
18. **HM 21204:** The said hybrid was proposed for CWZ in medium maturity group for the *Kharif* season. Since the hybrid was **not found** superior over the best relevant check, **hence it was not identified and thus not recommended for release.**

Kharif season Early maturity

19. **JH32662:** The said hybrid was proposed for NHZ in early maturity group for the *Kharif* season. It was found superior over the best relevant check, hence it was identified and **recommended** for release in NHZ.
20. **SMH4555:** The said hybrid was proposed for NWPZ and CWZ in early maturity group for the *Kharif* season. It was found superior over the best relevant check, hence it was identified and **recommended** for release in both NWPZ and CWZ.
21. **CP999:** The said hybrid was proposed for NWPZ in early maturity group for the *Kharif* season. It was found superior over the best relevant check, hence it was identified and **recommended** for release in NWPZ.
22. **JH32487:** The said hybrid was proposed for CWZ in early maturity group for the *Kharif* season. It was found superior over the best relevant check, hence the hybrid was identified and **recommended** for release in CWZ.
23. **AH8323:** The said hybrid was proposed for CWZ in early maturity group for the *Kharif* season. The hybrid found superior over the best relevant check, hence it was identified and **recommended** for release CWZ.

Kharif season Sweet corn

24. **APSKH-1 (APTSKH-1 2023)**: The said hybrid was proposed for NWPZ, NEPZ, PZ and CWZ under sweet corn for the *Kharif* season. The hybrid was found superior over the best relevant check in all proposed zones, hence it was identified and **recommended** for release in NWPZ, NEPZ, PZ and CWZ.

Kharif season Baby corn

25. **JH32048**: The said hybrid was proposed for NHZ under Baby corn for the *Kharif* season. The hybrid was found superior over the best relevant check, hence it was identified and **recommended** for release in NHZ.
26. **IBH 11-227**: The said hybrid was proposed for NHZ under Baby corn for the *Kharif* season. The hybrid was found superior over the best relevant check, hence it was identified and **recommended** for release in NHZ.
27. **ABHS27**: The said hybrid was proposed for CWZ under Baby corn for the *Kharif* season. The hybrid was comparable with the original hybrid, hence it was identified and **recommended** for release in CWZ.

Kharif season Bio-fortified

28. **IQPMH2109**: The said hybrid was proposed for NWPZ and NEPZ under QPM for the *Kharif* season. The hybrid was found superior over the best relevant check, hence it was identified and **recommended** for release in NWPZ and NEPZ.
29. **IQPMH2108**: The said hybrid was proposed for NEPZ under QPM for the *Kharif* season. The hybrid was found superior over the best relevant check, hence it was identified and **recommended** for release in NWPZ and NEPZ.
30. **IQPMH2012**: The said hybrid was proposed for CWZ under QPM for the *Kharif* season. The hybrid was found superior over the best relevant check, hence it was identified and **recommended** for release in CWZ.
31. **APQH4**: The said hybrid was proposed for NWPZ and CWZ under QPM + Pro-A for the *Kharif* season. Since it was found superior over its initial hybrid, hence it was identified and **recommended** for release in NWPZ and CWZ.
32. **APTQH1**: The said hybrid was proposed for NWPZ, NEPZ and CWZ under Vit E + QPM + Pro-A for the *Kharif* season. Since it was found superior over its initial hybrid in NWPZ and CWZ and found comparable in NEPZ, hence it was identified and **recommended** for release in NWPZ , NEPZ and CWZ

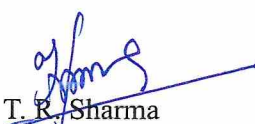
33. **ALPQH1:** The said hybrid was proposed for NWPZ and CWZ under Low phytate + QPM for the *Kharif* season. Since it was found superior over its initial hybrid, hence it was identified and **recommended** for release in NWPZ and CWZ
34. **ALQH9:** The hybrid was proposed for NEPZ under Low Phy + QPM for the *Kharif* season. The hybrid was comparable to its original hybrid, hence it was identified and **recommended** for release in NEPZ.
35. **AQWH4:** The hybrid was proposed for NWPZ under QPM + waxy for the *Kharif* season. The hybrid was comparable to its original hybrid, hence it was identified and **recommended** for release in NWPZ.
36. **PVAPMH1:** The hybrid was proposed for NWPZ under Pro-A for the *Kharif* season. Since it was found superior over its original hybrid, hence it was identified and **recommended** for release in NWPZ.


Kharif season Composite Variety

37. **ADC3:** The composite ADC 3, was proposed for NHZ for the *Kharif* season. The said composite variety was found superior over the best relevant check, hence it was identified and **recommended** for release in NHZ.

Out of 37 proposals received for identification, the VIC identified 36 for further release and notification by the CVRC.

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


Dr T. R. Sharma
DDG (Crop Science)
Chairman, VIC


Dr H.S. Jat
Director, ICAR-IIMR Ludhiana
Member Secretary, VIC