**Proforma for entries submitted for special trial on NILs/MABB**

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| --- | --- | --- | --- |
|  | **Entry Name** | : |  |
|  | **Name of the recipient genotype with parentage and pedigree** (number of backcrosses made also be indicated) | : |  |
|  | **Details about donor parent** | : |  |
|  | **Trait incorporated in recipient genotype** | : |  |
|  | **Distinguishing traits for EDV purpose** | : |  |
|  | **Zone and production condition for which testing is desired** | : |  |
|  | **List of DNA markers for background scoring (with its profile as annexure)** | : |  |
|  | **Information on markers flanking to the region of the trait(s) introgressed** | : |  |
|  | **IPPSN data** | : |  |
|  | **PYT yield data of the entry and the check (recipient)** | : |  |
|  | **Any other information supporting the utility value of the proposed entry** | : |  |

**Guidelines for testing of NILs/MABB derived genotypes**

1. The testing of NILs/MABB(MAS) derived genotypes in wheat is being planned considering the existing pattern in rice as mentioned in the “Guidelines on NILs/MAS Product Testing/ Release/ Notification under Seed Act 1966, approved during the 48th Meeting of Central Sub-Committee on Crop Standards, Notification and Release of Varieties for Agricultural Crops, 24 Dec. 2007.”
2. The NIL/MABB derived genotypes would be tested for a period of two years as a special trial on the pattern of ongoing AVTs for the requisite zone. The checks in the trial would be the recipient variety, best check alongwith 3 latest released varieties. While analyzing the yield data, the NIL/MABB genotype will be compared only with the recipient variety as check.
3. a) The recipient genotype should be a popular variety with significant trial seed indent in previous years.

b) The recurrent parent needs to be selected with appropriate concurrence of the concerned breeder/organization/institution wherever applicable.

1. It is to be ensured that salient traits, that define the adaptation of the recipient variety, should not get altered. The breeder has to substantiate the proposed NIL/MABB product for its conformity to parental variety with appropriate phenotypic data such as morphological and DUS data (where available) and molecular data before nomination for trial.
2. The NIL/MABB genotype should have minimum two phenotypic characters for the purpose of its identification and distinction from the recurrent parental variety. This will facilitate seed certification agency/seed law enforcement authority.
3. Total number of markers used, number of polymorphic markers and percent genome recovery information has to be provided which is supported by field/evaluation data.
4. Acceptability of NIL/MABB entry(s) for trial in different zones shall be decided by a screening committee constituted vide a meeting held on 6th October, 2012 at DWR, Karnal.
5. IPPSN data is must requirement for entering NIL/MABB entry into special AVT trial. All the entries and checks would be tested in PPSN.
6. The contributing centre will provide recipient (test) entry along with recurrent parent as check in AVT.
7. The NIL/MABB genotype testing has to be carried out under natural and artificial conditions (where biotic/abiotic stress resistance is targeted) and other traits following standard techniques and procedures along with the parent with standard experimental layout.
8. The monitoring of this trial is mandatory. The final trait-verification would be based on the recommendation of the monitoring team. The centres for conduct of trial would be decided based on the nominations. The monitoring committee will be constituted by the Project Director involving at least one trait specialist.
9. In case more than one entry with the same gene / trait in the same recipient variety is submitted by different contributors, all the entries could be tested and the better one may be identified for release.
10. The NIL/MABB genotype thus developed may be identified, released and notified as a new variety.