

**Proforma for submission of proposal for identification of Cotton varieties/hybrids
by the All India Coordinated Cotton Improvement Project Workshop**

1. (a) Name of the Variety/hybrid: _____
(b) Species: _____
2. Parentage: _____
3. Breeding method used: _____
4. Developed by (Station and names of workers): _____
5. Proposed by: _____
6. Zone for which to be identified: _____
7. Production condition for which to be identified: _____
8. In case of hybrid, description of the parents: _____
9. List at least two important morphological features of the proposed variety/hybrid which distinguish it from other important commercial varieties under field condition. Also enclose separately a complete description of the variety: _____
10. The new variety/hybrid provides an alternative/alternative/replacement for: _____
11. List main problems and special requirements (in order of importance) of the concerned area of recommendation and how the proposed variety helps to resolve these problems: _____
12. Year when first entered in coordinated Varietal Trials: _____
13. Quantity of breeder seed available
(a) Variety: _____
(b) Parental lines in case of hybrids _____
14. Summary data as per enclosures Tables 1,2,3,4 and 5 plus appendices: _____
15. Problems and prospectus in seed production of parental lines and hybrids and their maintenance (Wherever applicable): _____

For complete description of the variety/hybrid/parental lines, use the list of descriptors approved by the project/workshop.

Summary yield data of coordinated varietal trials

Name of proposed variety/hybrid: _____ Adaptability Zone: _____

Production condition: _____

	Year of Testing	No. of trials	Proposed variety	Check Var. 1	Check Var.2	Check Var.3	Qual. Var.1	Qual. Var.2	Qual. Var.3	CD
Mean Yield (kg/ha)	First Year									
(a) Zonal	Second year									
(b) Across zones (if applicable)	Third year									
	Mean									
Percentage increase or decrease over the checks and qualifying varieties	First year									
	Second year									
	Third year									
Frequency in the top group (pooled for 3 years)										

Note: Qualifying variety is one which has completed three years of testing in coordinated trials. Centre-wise and year-wise data must be appended with this proposal. The actual names of varieties/hybrids must be written in various columns provided in the place of proposed variety, all the check varieties (including the latest identified variety) and all other varieties (which have completed three years of coordinated testing) should be given. Zonal mean yield or across zonal mean for those varieties proposed for more than one zone for each of three years are to be given along with the relevant CD in the first three rows of the table. In the next three rows, the percentage increase or decrease in yield for the proposed variety as compared to each of the listed varieties are to be given. If the proposed variety yield is more than that of the variety with which it is compared, put a (+) sign and if the yield of the proposed variety is lesser, then put a (-) sign before the percentage value. Note that in the absence of a * mark, the two varieties compared are supposed to be statistically at par. Only in rare cases, where the yield of the proposed variety is exactly equal to the yield of the variety with which it is compared, the sign before the percentage value will be '=' instead of '+' or '-', and the percentage value will be '0'. The entry in that case will be '=0'. In the last row of Table 1, the frequency of appearing in the top group summed up for all locations over the three years is to be given along with the total number of trials, separated by a sign'. For example, if in three years of testing (including IET), a particular variety has been tested in 14 trials and the variety has appeared in the top group in 10 trials out of these, then the entry for that variety will be 10/14.

Adaptability to changes in agronomic conditions

Name of proposed variety/hybrid: _____ Adaptability Zone: _____

Production condition: _____

	Item	Proposed Var	Check 1	Check 2	Check 3	Qual. Var.1	Qual. var.2	Qual. Var.3
Sowing date of experiments								
Yield (kg/ha) under recommended sowing date								
Percentage gain or loss when sown	Early							
	Normal							
	Late							
Fertilizer experiments								
Yield (kg/ha) under recommended dose								
Percentage gain or loss when under other doses	F0							
	F1							
	F2							
Irrigation experiments (wherever applicable)								
Yield (kg/ha) with adequate irrigation	Adequate							
Percentage gain or loss with:	Irrigation Level 1							
	Irrigation Level 2							
	Irrigation Level 3							

Note: In each of the three types of experiments namely sowing dates x varieties, fertilizer x varieties and irrigation levels x varieties, the first row is meant for the actual yield of the variety in these experiments under the agronomic condition for which it is proposed. The rows below this are meant for percentage gain (+) or loss (-) shown by the variety when grown under the changed agronomic conditions. Here all rows are not necessarily to be used. For example, in the case of sowing date experiments, for a variety which is meant for late sowing, the percentage gain or loss observed at normal sowing only will be given, since a late sown variety is not likely to be sown by the cultivators earlier than the normal sowing. So, the row concerning early sowing will not be used in that case. For fertilizer experiments, in the case of a variety proposed for rainfed conditions, the percentage gain or loss with the fertilizer levels F0 and F1 will be filled up, while the row for F2 will be left blank, since for rainfed trials only three doses of fertilizers F0, F1 and F2 are tried of which F2 is the recommended dose for a rainfed condition.

Reaction to major diseases

Name of proposed variety/hybrid: _____ Adaptability Zone: _____

Production condition: _____

Disease	Item	Year	Prop. Var	Check Var.1	Check Var.2	Check Var.3	Qual. Var.1	Qual. Var.2	Qual. Var.3
Artificial (1)		1 st							
		2 nd							
		3 rd							
Natural (1)		1 st							
		2 nd							
		3 rd							
Artificial (2)		1 st							
		2 nd							
		3 rd							
Natural (2)		1 st							
		2 nd							
		3 rd							
Artificial (3)		1 st							
		2 nd							
		3 rd							
Natural (3)		1 st							
		2 nd							
		3 rd							

Note: In each year, under natural conditions and artificial infection, the average coefficients of the infection are to be given along with the maximum intensity observed. For diseases for which coefficients of infection in not presented, the maximum disease/insect score in each year may be presented.

Reaction to insect pests

Name of proposed variety/hybrid: _____ Adaptability Zone: _____

Production condition: _____

Insect pest	Item	Year	Prop. Var	Check Var.1	Check Var.2	Check Var.3	Qual. Var.1	Qual. Var.2	Qual. Var.3
Artificial (1)	1 st								
	2 nd								
	3 rd								
Natural (1)	1 st								
	2 nd								
	3 rd								
Artificial (2)	1 st								
	2 nd								
	3 rd								
Natural (2)	1 st								
	2 nd								
	3 rd								
Artificial (3)	1 st								
	2 nd								
	3 rd								
Natural (3)	1 st								
	2 nd								
	3 rd								

Data on Quality Characteristics

Name of proposed variety/hybrid: _____ Adaptability Zone: _____

Production condition: _____

Quality Characteristics	Years	Proposed variety	Check Var.1	Check Var.2	Check Var.3	Qual. Var.1	Qual. Var.2	Qual. Var.3
Parameter 1								
	Mean							
Parameter 2								
	Mean							
Parameter 3								
	Mean							
Parameter 4								
	Mean							

Name the parameter 1 _____
 2 _____
 3 _____
 4 _____