



## TMC MM 4.1: Quality Evaluation of Cotton Fibres

### Introduction:

Evaluation of fibre quality as per standard norms is essential for evolving genotypes with, fibre meeting the textiles standard. Accordingly breeder's samples from different regions developed under mini mission programme need to be tested for fibre properties and reported to the respective breeders. A genotype is promising which means the three fibre characters viz 2.5% span length micronaire and strength are matching as per GRCOT fibre quality norms. Most promising indicates the strength value higher than required.

### Objectives:

1. Evaluation of fibre quality parameters obtained under different TMC projects
2. To standardize technique for quantifying pesticide residues in the cotton lint.

### Salient findings:

During the year 479 samples under different sub-projects of TMC were tested for fibre quality parameters. Amongst these 34 samples were

satisfying fibre quality norms and they could be promoted for further breeding programme. Under MM 1.1, besides promising strains another 109 samples possess specific required fibre characteristics and could be considered for promotion. Similarly for MM 1.2 sub-project, 62 samples shows desired fibre characteristics and could be considered.

### Samples tested & reported

TMC MM 1.1 Project	=	196
TMC MM 1.2 Project	=	78
TMC MM 1.4 Project	=	150
TMC MM 1.6 Project	=	20
TMC MM 2.3 Project	=	09
Miscellaneous	=	26
TMC Total Project	=	479
No. of Samples Satisfying Fibre Quality Norms	=	34

