

Annexure – V
PROTOCOL FOR LST

Number of locations for LST.

Cotton hybrids	Zones*		
	Southern	Central	Northern
H X B	10	10	-
a X a	20	30	15
H X H	20	40	20
H X a	10	30	-

H – hirsutum; B – barbadance; h – herbaceum; a – arborium

*To be optimally divided between irrigated, rain-fed and suppressive soils (the trial may also accommodate both normal sown and late sown conditions)

Yield Data Book

Part – A. Pest-predator dynamics

Table A-4: Summary of Beneficial Insect Population of G.M. cotton hybrids & checks

Sl. No.	Hybrid	Beneficial Insects																			
		Candidate Bt					Second Bt					Bt. Check					Hybrid				
		60	90	120	135		60	90	120	135		60	90	120	135		60	90	120	135	
		(Locations _____)																			
1	Quadrat 1																				
2	Coccinellids																				
3	Chrysopa																				
4	Syrphids																				
a	Spider																				
b																					
c																					
		(Locations _____)																			
1	Quadrat 2																				
2																					
3																					
4																					
a																					
b																					
c																					
		(Locations _____)																			
1	Quadrat 3																				
2																					
3																					
4																					

Yield Data Book

Part – B. Yield data

Field note Book - B

Table B-2: Summary of Bartlett's Index & Picking wise Yield of G. M. Cotton Hybrid and check.

Sl. No.	Hybrid	Date of sowing	Seed Cotton Yield - Kg / picking (P) (DAS)						Total Yield (Kg)	Total Yield (Qtl/ha)	Bartlett's Index
			I 120	II 135	III 150	IV 165	V 180	VI (final) >180			
	Entry 1: _____ (Locations _____)										
1											
2											
3											
4											
a											
b											
c											
	Entry 2: _____ (Locations _____)										
1											
2											
3											
4											
a											
b											
c											
	Entry 3: _____ (Locations _____)										
1											
2											
3											
4											
a											
b											
c											
	Entry 4: _____ (Locations _____)										
1											
2											
3											
4											
a	Mean										
b											
c											
Bartlett's Index (B.I.) =			$(6 \times I P + 5 \times II P + 4 \times III P + 3 \times IV P + 2 \times V P + 1 \times VI P)$								

Yield Data Book

Part-C. Fiber and oil details

(see text for sample size and authentic laboratory
for testing on payment basis)

Field note Book - C

Table C-1 : *Summary of fibre properties & oil (%) of G.M. cotton hybrids & checks from three LST (each is a mean of 5 observations).

											Zone :	
Sl. No.	Location / Entry	Ginning out-turn (%)	Seed Index (g)	Lint Index (g)	2.5% Span length (mm)	Uniformity ratio (%)	Fineness (Micro-naire)	Strength 3.2 mm gauge (g/tex)	Spinnable counts	Count Strength Product (CSP)	Oil (%)	
(Locations)												
1	LST-1											
2	Entry A											
3	Entry B											
4	Entry C											
	check											
a												
b												
c												
(Locations)												
1	LST-2											
2	Entry A											
3	Entry B											
4	Entry C											
	check											
a												
b												
c												
(Locations)												
1	LST-3											
2	Entry A											
3	Entry B											
4	Entry C											
	check											
a												
b												
c												
	LSI-4											
	LSI-5											

*To be done by CCTI, Mathunga, Mumbai (Fee to be decided by the Institute)