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Objectiv	vo: To invostigato the ph						
Cotton f (organic Organic with a c	c, conventional and GM completely randomised f	iysiol orgar al) ex hybri block	ogical development, assess nic, conventional and GM hy ternal input conditions ids are tested in an on-static design	yield and /brid under low on mother trial			
Cotton	hybrid and varieties tes	ted in	2010				
A J	JK DURGA	D	HY 102				
B H	112	E	JK DURGA (Bt)				
C S	C SURAJ						













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-	a moune actory y				
Cultivar	Species	Cultivar Type	Mother Trial	Baby Trial	Demo Plots
JK Durga	G. hirsutum	Hybrid	Х	Х	Х
JK Durga (Bt)	G. hirsutum	Hybrid	Х		
H-6	G. hirsutum	Hybrid	Х	Х	Х
H-10	G. hirsutum	Hybrid	Х	Х	Х
H-12	G. hirsutum	Hybrid	Х	Х	Х
Ankur-651	G. hirsutum	Hybrid	Х	Х	Х
Rasi 2	G. hirsutum	Hybrid	Х		
Rasi 2 (Bt)	G. hirsutum	Hybrid	Х		
R-22-(102)	G. hirsutum	Variety	Х		
ZCH-8	G. hirsutum	Variety	Х		
A-504-48-91	G. arboreum	Variety	Х		
B-320-5	G. arboreum	Variety	Х		
RAHB-1	G. hirs. x G. barbadense	Hybrid	Х		
RAHB-2	G, hirs, x G, barbadense	Hybrid	Х		



bjectives & Methodology	
Low Input	High Input
8500 kg compost/acre	2500 kg compost/acre
	125 kg urea/acre, 210 kg SSP/acre, 65 kg MOP/acre
Neem extract + cow urine spray, Garlic-onion-chili repellent, Top-Ten	Pesticide (e.g. Nitrobenzene , Imidachlorprid, Profenofos) + Fungicide
Morphological Assessments	Quality Assessments
Stem diameter, Leaf shape, Hairyness, Plant height, Pest and Diseases	Diameter of cotton ball, Seed and Lint index
Homogeneity within cultivar	Uniformity and Maturity
Monopodia/Sympodia, Harvesting time, No. of cotton balls per plant, Weight of cotton balls per plant	Length, Strength, and Finesse of Fibre



bjectives xp. III & I' ioRe farm Plot D	Tr <b>8 &amp; I</b> √. 36	ials Meth	s 201 nodolog	1 ( <i>COr</i> y vars and	five	F2	οορι	ulation	s are examined on the
DEMO 1	DE	MO 2	DEMO 3	DEMO 4	D	EMO 5	J	K DURGA	BioRe Farm
COMPACT VARIE TRIAL, 1-5	TAL	L COMPACT VARIETAL TRIAL, 5-1		HXH HYBRIDE TF 5-1	HXH HYBRIDE TRIAL 5-1 HXB HYBRIDE TRIAL 6-1		E TRIAL		
ARBOREUM VAF TRIAL, 1-5	NETAL ARBOR		REUM VARIETAL AL, 5-1	HXB HYBRIDE TRIAL 1-6 HXH HYBRIDE TRIAL 1-5		HXB HYBRIDE TRIAL 1-6 HXH HYBRIDE TRIAL 1-5		DE TRIAL	
ARBOREU 504-48-91	М		ARBOREUM 320-5	F2,BXB F 6 LINES 5	F2,BXB F2,HXH F2,BXB F2,HXH 6 LINES 5 LINES 6 LINES 5 LINES		F2,HXH 5 LINES	]	
HIRSUTUM VARIETAL LINE R1-101-120			BARBADENSE R1-101-108	HIRSUTUM VA R2-201-	HIRSUTUM VARIETAL LINE BARBADENSE R2-201-220 R2-201-208		BADENSE -201-208		
HIRSUTUM VARIE R2-201-220	HRSUTUM VARIETAL LINE R2-201-220		BARBADENSE R2-201-208	HIRSUTUM VARIETAL LINE R1-101-120 R1-101-108			BARI R1	BADENSE 101-108	
			9 FEET GAP INDO-AME INDAI	ERICAN M-206					
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