

Table 1 Analysis of variance for combining ability of Line x Tester inter specific crosses for different quantitative characters

Source	d.f.	Mean sum of squares							
		Seed cotton yield (kg/ha)	Plant height (cm)	No. of sympodia	No. of bolls	Mean boll weight (g)	Seed index (g)	Ginning outturn (%)	Lint index (g)
		1	2	3	4	5	6	7	8
Replications	1	1464781.85**	1722.35	198.14**	94.58**	2.29**	37.90**	12.28	1.85*
Crosses	91	365118.66**	722.32	13.58	43.03**	0.23**	2.56**	13.51**	0.95**
Line Effect	3	1344213.43**	705.20	0.99	56.37	0.61*	1.94	7.76	0.63
Tester Effect	22	903079.19**	541.25	11.19	45.34	0.28	3.86*	20.30*	1.46*
Line x Tester Effect	66	141294.17**	783.46	14.95	41.65**	0.20**	2.16**	11.51**	0.80**
Error	91	47434.74	831.52	12.26	1.94	0.04	0.74	3.45	0.36