

Table 1 Analysis of variance for different quantitative characters (RBD) in derived F₁ crosses

Source	d.f.	Mean sum of squares													
		Seed cotton yield (kg/ha)	Plant height (cm)	No. of monopodia	No. of sympodia	No. of bolls	Mean boll weight (g)	Reproductive points on sympodia	Length of sympodia at 50% height (cm)	Seed index (g)	Ginning outturn (%)	Lint index (g)	Photosynthetic rate ($\mu\text{mol CO}_2 \text{ m}^{-2} \text{ s}^{-1}$)	Stomatal conductance ($(\mu\text{mol m}^{-2} \text{ s}^{-1})$)	Transpiration rate ($\text{mmol H}_2\text{O m}^{-2} \text{ s}^{-1}$)
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Replications	1	470122.81	889.05*	1.71**	172.17**	866.91**	8.00**	2.72**	23.55	100.61**	3.91	93.74**	35.94*	0.00009	18.10**
Geotypes	153	575226.37**	633.89**	0.45**	13.82*	170.21**	0.59**	1.06**	58.04**	3.85**	16.65**	1.96**	75.21**	0.16**	8.16**
Error	153	134348.79	214.41	0.05	9.37	77.05	0.26	0.23	38.98	0.73	9.06	0.57	5.94	0.01	1.36
S.E d		273.03	10.91	0.17	2.07	6.39	0.37	0.35	4.64	0.67	2.20	0.57	1.64	0.05	0.55
CD@ 5%		765.14	30.58	0.48	6.93	12.54	0.89	0.98	13.00	1.87	6.17	1.60	4.60	0.14	1.55
C.D. 1%		1011.98	40.45	0.64	9.21	16.66	1.18	1.29	17.20	2.48	8.16	2.12	6.09	0.18	2.05

Note: * Significant at P = 0.05 ** Significant at P = 0.01