

Table 1 Estimates of variance components as reference to the prevailing gene action for 13 characters

Sl. No.	Characters	σ^2 GCA	σ^2 SCA	σ^2 GCA/ σ^2 SCA	σ^2 A	σ^2 D	σ^2 A/ σ^2 D
1	Days to 50% tasseling	0.32	0.14	2.30	0.63	0.14	4.61
2	Days to 50% silking	0.90	-0.88	-1.02	3.61	-3.53	-1.02
3	Plant height (cm)	21.78	61.29	0.36	43.55	61.29	0.71
4	Ear height (cm)	12.72	53.71	0.24	25.45	53.71	0.47
5	Days to 75% brown husk maturity	-0.17	0.63	-0.28	1.27	1.79	0.70
6	Ear length (cm)	0.42	0.98	0.42	0.83	0.98	0.85
7	Ear girth (cm)	0.01	0.00	3.41	0.02	0.00	6.76
8	No. of kernel rows per ear	-0.01	1.25	-0.01	-0.02	1.25	-0.01
9	No. of kernels per row	0.26	4.05	0.06	0.51	4.05	0.13
10	100-grain weight (g)	0.99	4.38	0.23	1.98	4.38	0.45
11	Grain yield (q/ha)	1.37	47.07	0.03	2.74	47.07	0.05
12	Shelling percentage (%)	-0.46	38.46	-0.01	-0.92	38.46	-0.02
13	Fodder yield (t/ha)	0.66	0.87	0.76	1.31	1.58	0.82