

Table 2 Variability parameters in segregating F₅ population of 53 *G. barbadense* cotton

Genetic parameters	Seed cotton yield (kg/ha)	Plant height (cm)	No of bolls	Mean boll weight (g)
	4	1	2	3
Grand mean	1178.82	81.92	29.93	2.43
Range	441.81~ 2175.7	65.33~100.33	22.5~ 39.33	1.67~ 3.23
σ^2_g	151748.5	17.125	4.526	0.051
GCV	33.046	5.051	7.108	9.257
σ^2_p	211017.6	137.034	31.376	0.192
PCV	38.968	14.289	18.715	18.016
h^2 (Broad sense)	0.719	0.125	0.144	0.264
GA	680.507	3.014	1.664	0.238
GAM	57.728	3.678	5.561	9.799

Note: σ^2_g : Genotypic variance; σ^2_p : Phenotypic variance; h^2 bs: Heritability in broad sense; PCV: Phenotypic co-efficient of variation; GCV: Genotypic co-efficient of variation; GA: Genetic advance; GAM: Genetic advance as percent of mean