

Table 8 Heritability, phenotypic and genotypic variance of growth and yield characters in treated *Amaranthus* genotype

Source of variation	Genotypic variance (σ^2_g)	Phenotypic variance (σ^2_p)	Heritability
Plant height	-3.607	394.006	0.009
Number of leaf	619.267	1359.907	0.455
Stem length	-74.869	197.822	-0.378
Stem girth	0.054	0.089	0.610
Leaf length	2.402	6.959	0.345
Leaf width	0.241	1.421	0.169
Number of inflorescent	-102.558	333.257	0.306
Inflorescent length	49.006	259.016	0.189
Inflorescent width	-0.124	5.734	-0.022
Number of branches	48.675	75.508	0.645
Wet leaf	6.886	19.954	0.345
Dried leaf	0.233	0.902	0.259
Wet yield of inflorescent	11.368	21.434	0.530
Dried yield of inflorescent	2.642	3.576	0.739