

Genetic Variability in Upland Cotton (*Gossypium hirsutum* L.)

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ABSTRACT

The analysis of variance revealed significant differences for all the 15 characters studied indicating presence of sufficient variability among the 53 genotypes. The genetic parameters revealed that moderate to high variability was observed for number of monopodia per plant, seed index, number of bolls per plant, boll weight, seed cotton yield per plant and lint yield per plant. High heritability and high genetic advance as percent of mean was observed for number of monopodia per plant, boll weight, seed index, lint yield per plant and seed cotton yield per plant. Hence selection for these traits would be quite effective to improve the seed cotton yield in upland cotton.

Key words: *Genetic advance, Heritability, Upland cotton, Variability.*