

Genetic Variability for Seed Yield and Yield Components in Sesame (*Sesamum indicum* L.)

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ABSTRACT

The study was undertaken with an objective to study the genetic variability for seed yield and yield traits in sesame during *rabi*, 2010 at Agricultural Research Station, Yellamanchili, Andhra Pradesh. Analysis of variance showed highly significant differences among the thirty six genotypes for all the characters studied indicating that the data generated from the above diverse material will yield reliable genetic information. The genetic variability studies revealed that the material used in present investigation possessed variability which provides scope for selection by breeder. Moderate to low coefficients of variability was observed for most of the traits indicating moderate variability. The estimates of high heritability and moderate genetic advance as per cent of mean were observed for the traits primary branches/plant, 1000 seed weight and seed yield per plant.

Key words : Genetic advance, Heritability, Sesame and Variability.