

Genetic Variability, Heritability and Genetic Advance for Seed Yield and its Components in Sesame (*Sesamum Indicum* L.)

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ABSTRACT

An Investigation Was Carried Out To Assess The Variability, Heritability And Genetic Advance For Nine Characters Viz., Days To 50% Flowering, Days To Maturity, Plant Height, Number Of Primary Branches Per Plant, Number Of Capsules Per Plant, Number Of Seeds Per Capsule, 1000-Seed Weight, Oil Content And Seed Yield Per Plant In 23 Genotypes (Five Lines, Three Testers And Fifteen Hybrids). The Results Revealed That High PCV And GCV Were Observed For The Character Seed Yield Per Plant. High Heritability Accompanied With High Genetic Advance Had Shown By The Characters Viz., Number Of Primary Branches Per Plant, Number Of Capsules Per Plant, Number Of Seeds Per Capsule, 1000-Seed Weight And Seed Yield Per Plant Indicating The Preponderance Of Additive Gene Action Which May Be Exploited Through Simple Selection Procedures.

Key words : Genetic Advance, Heritability, Sesame, Variability.