

# Variability studies for yield, yield attributes and oil content in sesame (*Sesamum indicum* L.) Germplasm

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## **ABSTRACT**

The present study was undertaken to assess the magnitude of genetic variability, heritability and genetic advance for seed yield and its associated traits in 56 sesame genotypes during *rabi*, 2024-25 at Agricultural College Farm, Bapatla, Andhra Pradesh. The analysis of variance revealed significant differences among the genotypes for all characters studied, suggesting the presence of considerable genetic variation. High heritability coupled with high genetic advance as percent of mean was observed for plant height(cm), number of primary branches per plant, number of capsules per plant, basal length of the stem to the first capsule bearing(cm), 1000 seed weight(g), harvest index(%) and seed yield per plot(g) indicating the predominance of additive gene action in governing the inheritance of the above traits which may be exploited through simple selection in future sesame breeding programmes.

**Keywords:** *GCV, Genetic Advance, Heritability, PCV and Sesame*