

## **Variability Studies in Sesame (*Sesamum indicum* L.)**

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### **ABSTRACT**

An investigation was carried out to assess the variability, heritability and genetic advance for 10 characters viz., days to initial flowering, days to 50% flowering, days to maturity, Plant height, number branches / plant, number capsules / plant, 1000 seed weight (g), number of seeds/ capsules, oil content (%) and seed yield / plant in 50 sesame genotypes during rabi 2011 at Agricultural College, Naira, Srikakulam District during rabi 2011. High PCV and GCV were observed for number of branches / plant and seed yield / plant . High heritability couple with high genetic advance was observed for characters number of branches / plant, number of capsules / plant, number seeds/ capsule and seed yield/ plant, indicating the additive gene effect. High heritability and low genetic advance was observed for characters days to initial flowering, days to 50% flowering, days to maturity, plant height (cm) and 1000 seed weight indicating the role of non- additive gene action in thier inheritance.

**Key words :** Sesame, Variability studies