## Studies on Genetic Variability for Late Leafspot Resistance, Yield and Yield Components in Groundnut (*Arachis hypogaea* L.)

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## **ABSTRACT**

Fifteen F<sub>1</sub> crosses along with eight parents (five lines and three testers) were evaluated for variability, heritability and genetic advance during *Kharif*, 2011. Analysis of variance revealed highly significant differences among the genotypes for all the fourteen characters indicating sufficient variability in the material studied. The estimates of PCV and GCV were high for number of secondary branches per plant, number of leaves affected by late leaf spot per plant at 90 DAS, kernel yield per plant, pod yield per plant, number of mature pods per plant, number of leaves at harvest and harvest index. High heritability coupled with high genetic advance as per cent of mean was observed for majority of characters except for number of primary branches per plant, days to 50% flowering, days to maturity, per cent pod set and shelling per cent indicating that these traits were mainly governed by additive gene action and response to selection could be effected for further improvement of these traits through simple selection.

**Key words:** Genetic advance, Groundnut, Heritability, Late leafspot resistance, Variability.