

Studies on Genetic Variability, Heritability and Genetic Advance for Yield, Yield Components and Quality Traits in *Kabuli* Chickpea

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ABSTRACT

The present study was undertaken at Regional Agricultural Research Station, Nandyal during *rabi*, 2016-17. Thirty genotypes of *kabuli* chickpea were evaluated in a randomized complete block design with three replications for analysis of variability among the genotypes. Characters *viz.*, seed yield per plant, number of pods per plant, shoot biomass, 100 seed weight, protein content, 100 grain volume, water absorption after soaking, volume expansion after soaking, cooking time for raw seeds and cooking time for soaked seeds recorded high values of heritability as well as genetic advance under both the conditions. Plant height, number of seeds per plant and harvest index under rainfed condition and days to 50 per cent flowering under irrigated condition recorded high heritability and high genetic advance as per cent of mean.

Key words: *Genetic advance as per cent mean, Heritability, Kabulichickpea, Variability.*