

Studies on Genetic Variability, Heritability and Genetic Advance of Different Vegetable Cowpea (*Vigna Unguiculata* L.Walp) Varieties In Coastal Andhra Pradesh

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ABSTRACT

The genetic variability study was carried out with nine vegetable cowpea varieties. Genotypic and Phenotypic coefficient of variation, heritability and Genetic advance as per cent of mean were estimated for fifteen characters. High estimates of genetic variability coupled with high heritability and genetic advance were observed for plant height, number of primary branches, number of leaves, dry matter accumulation, pod length, pods per plant, mean pod weight, and pod yield per plant and these characters would be of useful criteria for selection. Days to first flowering, days to 50 per cent flowering and days to first picking showed moderate genetic advance and variability. Least genetic advance and variability were observed for Crop duration. All the characters except days to first picking showed high heritability

Key words : Cowpea, Genetic variability, Genetic advance, Heritability.