

Genetic Variability and Correlation Studies in Blackgram (*Vigna mungo* L. Hepper)

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ABSTRACT

The current study was carried out with 12 genotypes of blackgram at Agricultural Research Station, Podalakur, SPSR Nellore, Andhra Pradesh. The high PCV and GCV were recorded for seed yield followed by clusters per plant, pods per plant and branches per plant showing that these traits are significantly count the variation to the total variability. Days to 50% flowering, plant height, clusters per plant, branches per plant, pods per plant, test weight and seed yield recorded high heritability along with high GAM. So, selection of genotypes using these traits would be valuable because they are controlled by additive gene action. Seed yield exhibited a significant positive association with clusters per plant, plant population and 100 SW.

Keywords: *Blackgram, Correlation, GAM, GCV, Heritability and PCV*