Genetic Variability Studies for Yield and Yield Components in Blackgram (*Vigna mungo* (L.) Hepper)

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ABSTRACT

A Study was conducted involving 100 genotypes of blackgram for genetic variability of seed yield and its component traits. The analysis of variance indicated significant differences among the hundred genotypes for all the characters studied. The estimates of PCV for all characters were higher than the estimates of GCV indicating the presence of environmental component along with genetic component. High heritability coupled with high Genetic advance as per cent of mean was recorded for plant height, number of clusters per plant, numbers of pods per plant, leaf area, SPAD, chlorophyll content and seed yield per plant. This indicates the preponderance of additive gene effects which may serve as better source for breeding programme to develop high yielding varieties.

Key words: *Heritability, Genetic advance, Variability, YMV and Blackgram*