



RESEARCH PAPER

Studies on the genotypic co-efficient of variation and phenotypic co-efficient of variation in chickpea (*Cicer arietinum* L.) germplasm for yield-attributing characters

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Abstract : The magnitude of the genotypic co-efficient of variation (GCV) and phenotypic co-efficient of variation (PCV) in chickpea germplasm was observed high for characters like seed yield per plant followed by number of pods per plant, 100 seed weight, plant height, number of secondary branches per plant and number of primary branches per plant. The characteristics viz., seed yield per plant showed high GCV and PCV, moderate heritability and high genetic advance as a per cent of the mean. The characters viz. number of pods per plant, 100 seed weight, harvest index, number of secondary branches per plant and plant height recorded a highly positive significant correlation with seed yield at both genotypic and phenotypic levels. This indicates the simultaneous improvement of these characters through the selection of chickpeas.

Key Words : Chickpea, GCV, PCV, Correlation, Yield attributing characters

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