

Variability, heritability and character association in okra [*Abelmoschus esculents* (L.) Moench]

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The genetic variability, heritability and correlation analysis were studied in 55 diverse genotypes including 10 parents and 45 crosses of okra for fruit yield and its component traits. From the analysis of variance, it was observed that mean squares due to genotypes were significant for all the traits, indicating the presence of genetic variability in the experimental material. The values of PCV were higher than that of GCV values for all the ten characters indicating influence of environmental effects in the expression of these characters. The GCV, heritability and genetic advance over mean were higher for first fruiting node, days of first picking number of branches per plant, plant height, number of fruits per plant and yield per plant which might be indicative of likely effectiveness of selection for such characters. The total yield per plant has significantly positive correlation with first fruiting node, days of first flowering, and early yield per plant.

Key words : Okra, Variability, Correlation co-efficient

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