



RESEARCH PAPER

Genetic variability in okra (*Abelmoschus esculentus* L. Moench.) for fruit yield and yield contributing characters

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Abstract :In the present investigation, an attempt has been made to evaluate the genetic variability in fifty one genotypes of okra during year 2021. Significantly higher mean plant height was recorded in genotypes IC-433645, IC-332453, IC-331067, IC-331217, IC-342075 and eleven more genotypes. Significantly higher fruit yield per plant was recorded in IC-342075, IC-332453, Parbhani Kranti, IC-7952, IC-433645 and ten other genotypes. The analysis of variance for different parameters showed that the genotypes under study differed significantly among themselves for all the thirteen characters. Estimates of heritability in broad sense were high for all the characters except fruit diameter and number of primary branches per plant. The genetic advance as per cent of mean was high for fruit yield per plant, fruit weight, number of primary branches per plant, plant height, and number of fruiting nodes.

Key Words : Okra, Heritability, Genotypic co-efficient of variation, Genetic advance

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