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RESEARCH PAPER

Genetic divergence in okra [*Abelmoschus esculentus* L. (Moench)]

R. KANDASAMY
Department of Horticulture, Faculty of Agriculture, Annamalai University, ANNAMALAINAGAR(T.N.) INDIA

Abstract : Twenty five genotypes of okra (*Abelmoschus esculentus* L.) were evaluated for genetic divergence for yield and its attributing characters. The genotypes were grouped in seven clusters on the basis of relative magnitude of D^2 values. The maximum genetic distance was observed between cluster II and VI followed by Cluster VI and VII. However, cluster III and IV showed lowest degree of divergence. The mean value of different clusters, genotypes having high yield along with plant height, internodal length, fruit weight, fruit length, 1000 seed weight were observed in cluster VI having genotypes like AE 13 and AE 21. Cluster II showed lowest mean values for maximum characters.

Key Words : Genetic divergence, D^2 analysis, Okra

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