

Assessment of Genetic Diversity for Yield Components and Quality Parameters in Rice (*Oryza sativa*.L.)

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ABSTRACT

Genetic divergence using Mahalanobis D^2 statistic was worked out in 70 genotypes of rice. The genotypes were grouped into five clusters using Tocher's method. Cluster I had the largest number of genotypes while the remaining clusters possessed single genotype only. Greater genetic divergence was found between cluster III and cluster V followed by cluster IV and cluster V and cluster III and cluster V, thus suggesting that the genotypes of these clusters may be exploited to explore the fullest range of variability for the character (s) and to realize good recombinant lines.

Key words : Genetic diversity, Yield.