

Variability and Genetic Parameters for Salinity Tolerance, Yield Components and Grain Yield in Rice Genotypes

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ABSTRACT

Fifty genotypes of rice (*Oryza sativa* L.) were evaluated for genetic variability for salinity tolerant traits, yield components and grain yield during *khariif*, 2010. The analysis of variance revealed significant differences among the genotypes for all the characters studied. The characters viz., shoot length, shoot dry weight, shoot potassium content, productive tillers hill⁻¹ and grain yield plant⁻¹ had recorded high variability (PCV and GCV), heritability coupled with high genetic advance as per cent mean under saline conditions indicating an ample scope for improvement of these characters for development of salt tolerant rice varieties..

Key words :Genetic parameters, Rice genotypes, Yield.