

Genetic Variability Estimates for Yield and Its Component Characters in Rice (*Oryza sativa* L.)

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ABSTRACT

Thirty three rice genotypes (ten parents, twenty one hybrids and two checks) were evaluated during *kharif*, 2015 for eight quantitative traits to examine the nature and magnitude of variability, heritability and genetic advance as percent of mean. Analysis of variance showed significant differences among the genotypes for all the characters studied. The highest estimates of genotypic coefficient of variation and phenotypic coefficient of variation were recorded by grain yield per plant. High heritability coupled with high genetic advance as percent of mean was observed for characters *viz.*, number of productive tillers per plant, number of filled grains per panicle, test weight and grain yield per plant indicating these traits are governed by additive gene action.

Key words: *Genetic advance, Heritability, Rice, Variability.*