

Genetic Parameters for Yield and Yield Components in Rice (*Oryza Sativa* L.) Genotypes

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ABSTRACT

The present investigation was under taken to study the extent of variability and genetic parameters of 10 yield and quality parameters in a set of 32 high yielding diverse rice genotypes. Phenotypic and genotypic coefficients of variations were high for filled grains per panicle and grain yield/plant. High heritability estimates were recorded for all the characters studied except for panicle length. Filled grains/panicle and plant height exhibited high genetic advance as percent of mean while the remaining traits recorded low values. High GCV, PCV, heritability coupled with high genetic advance was manifested by filled grains per panicle indicating the role of additive gene action in the inheritance of this trait and simple selection is advocated for improvement.

Key words: *Genetic advance, Heritability, phenotypic and genotypic coefficients of variation .*