

RESEARCH PAPER

Variability, heritability and genetic advance in rice (*Oryza sativa* L.)

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Genetic parameters for yield and its correspondent characters in rice were estimated from a trial with two CMS, twenty testers and forty hybridscross evaluated for ten characters related to yield. The highest GCV was recorded for grain yield plant⁻¹. High heritability and the low genetic advance were recorded for grain yield plant⁻¹, spikelet fertility, plant height, harvest index, seedling height, flag leaf area, panicle bearing tillers plant⁻¹, test weight and panicle length suggesting apredominance of non-additive gene action in the inheritance of these traits.

Key words : Rice, Genetic variability, Heritability, Genetic advance

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