

RESEARCH PAPER

Study of heritability and gene action using CMS line in hybrid rice (*Oryza sativa* L.)

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The low heritability (h_{ns}^2) estimate was observed with grain yield plant⁻¹ and test weight indicating a preponderance of non-additive gene action to govern these traits. Combining ability revealed higher specific combining ability variance than their respective general combining ability variances indicating the predominance of non-additive gene effects indicated the relevance of heterosis breeding for improving the yield and yield contributing attributes.

Key words : Heterosis, Combining ability, Line x tester, Rice hybrids

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