

Selection Indices in Rice (*Oryza sativa* L.)

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ABSTRACT

Seventy six rice genotypes were evaluated to formulate selection indices based on seventeen characters. Selection indices were constructed adapting discriminant function which indicated that the maximum genetic advance and relative efficiency can be obtained when grain yield was included as one of the component character. The function including the nine characters viz., grain yield plant⁻¹, days to 50% flowering, plant height, ear bearing tillers plant⁻¹, panicle length, filled grains panicle⁻¹, milling percentage, head rice recovery, L/B ratio recorded highest genetic advance with a high relative efficiency over grain yield plant⁻¹.

Key words : Indices, Rice.