Membrane Processing of Sugarcane juice

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ABSTRACT

The experiment was conducted with an objective to estimate the variability, heritability and genetic advance of 31 rice genotypes (twenty hybrids, nine parents and two checks) for 17 morphological and physiological traits. The results revealed that high heritability coupled with high genetic advance was observed for number of effective tillers per plant, number of filled grains per panicle, number of ill filled grains per panicle, 1000 grain weight, LAD at 60-80 DAT, root dry weight, shoot dry weight, root shoot ratio and grain yield per plant suggesting the role of additive gene effect while the traits *viz.,* days to 50 per cent flowering, days to maturity, plant height, panicle length, SCMR at 80 DAT and harvest index are governed by both additive and non additive gene effect. Low estimates for both heritability and genetic advance were shown by SLA at 80 DAT and SLW at 80 DAT indicating the role of non additive gene action.

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