



Evaluation of different rice (*Oryza sativa* L.) varieties for upland situations of Kerala

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Abstract : The development of a high yielding variety is the major objective of any breeding programme. So the genetic parameters for yield and its component characters in upland rice were estimated in the present investigation with seven rice varieties during *Kharif* 2009 at Onattukara Regional Agricultural Research Station, Kerala Agricultural University, Kayamkulam. Seven characters related to yield were evaluated and variability parameters were estimated. In the study maximum grain yield was recorded by the variety Bhagya followed by Jyothi. Genetic analysis was also conducted and the result indicated that the phenotypic coefficient of variation was higher than the genotypic co-efficient of variation for plant height, number of tillers, number of productive tillers, number of grains per panicle, grain weight and straw weight. But low heritability was recorded for all the characters except panicle length.

Key Words : Rice, Genetic advance, Heritability, Yield

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