

Correlation Studies in Rice (*Oryza Sativa* L.) Restorers Lines

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ABSTRACT

The present investigation was carried out to study the nature and degree of association between yield and its component characters on grain yield in rice (*Oryza sativa* L.) during *kharif*, 2016. Fifty two restorers were evaluated for identifying their efficiency with respect yield and yield components. The correlation studies revealed strong positive association of yield with the traits *viz.*, plant height, number of ear bearing tillers per plant and number of filled grains per panicle indicating that direct selection can be practiced for these characters for these characters for improving single plant yield. Other traits *viz.*, pollen sterility recorded negative significant association with grain yield indicating selection for pollen sterility should be practiced for higher grain yield.

Keywords : *Correlation, rice, yield ,yield components.*