

Correlation and path analysis for yield and yield attributes in rice (*Oryza sativa* L.) genotypes

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SUMMARY

The present study was undertaken with the objective to determine the nature and degree of association between yield and its component characters and their direct, indirect effects on grain yield in rice (*Oryza sativa* L.). Thirty three genotypes were evaluated for identifying their efficiency with respect to yield and yield components. The correlation studies revealed strong positive association of yield with biological yield per hill, number of spikelets per panicle, flag leaf width, flag leaf length and plant height. The result of path analysis indicated that the biological yield per hill had maximum direct effect on grain yield per plant followed by harvest index, number of tillers per hill, flag leaf width and panicle length.

Key Words : Rice, Correlation, Path analysis

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