

# **Genetic Divergence for Yield and its Components in Gall midge Resistant Rice Genotypes (*Oryza sativa* L.)**

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## **ABSTRACT**

Fifty rice gall midge resistant genotypes were evaluated during *Kharif*, 2022 for genetic diversity by Mahalanobis  $D^2$  analysis for nine yield and its component characters under late sown conditions. In the present study based on  $D^2$  analysis, 50 genotypes were grouped into 7 clusters. Considerable extent of genetic divergence between genotypes in the present study was observed by magnitude of  $D^2$  values. The maximum inter-cluster distance was found between cluster IV and cluster VII. Greater inter cluster distance indicating the presence of greater diversity between genotypes of these groups. Days to fifty percent flowering, test weight and total grains per panicle contributed maximum towards divergence.

**Keywords:** *Gall midge resistant, Genetic divergence and Rice.*