

RESEARCH ARTICLE

Evaluation of different rice genotypes for BPH, *Nilaparvata lugens* (Stal.) resistance

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ABSTRACT

One hundred sixty seven rice genotypes were screened against *Nilaparvata lugens*, in the Glass House, Department of Entomology, College of Agriculture, IGKV, Raipur (C.G.) during 2012-2013. Among the screened material, 39 genotypes were categorized as resistant, whereas 24 as moderately resistant, 12 as moderately susceptible and 92 as susceptible to BPH. Among all the genotypes screened, the genotype R 1723-1413-3-357-1 had the least plant damage score (1.03) followed by R 1688-2077-1-262-1(1.04) due to BPH infestation. Out of the fifteen resistant rice genotypes tested, R1700-309-1-171-1 had the highest (34.88) average probing marks followed by R1700-304-1-161-1(34.25), which was significantly higher than TN1.

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