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RESEARCH PAPER

Screening of advanced rice breeding lines against *Nilaparvata lugens* (Stal.) resistance

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Abstract : Advanced rice breeding lines developed out of BPH resistant donars. These lines were derived by using R x R crossing pattern in breeding programme. Donars used were characterized with respect to agronomic traits *viz.,* 100 seed weight value ranges between 1.95 to 4.13 g, total panicle per plant 4 to 17.4, total productive tillers between 5.2 to 10 and panicle length 18.1 to 143.7cm. Out of total accessions 114 rice advanced breeding lines were screened , out of these 15 were found highly resistant , 57 resistant, 12 moderately resistant and rest 30 lines susceptible.

Key Words : *Nilaparvata, lugens,* Breeding lines, Screening, Resistance

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