

Screening of Rice Entries against Asian Rice Gall midge, *Orseolia oryzae* (Wood-Mason) in Telangana, India

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ABSTRACT

Eighteen entries along with 7 varietal/hybrid checks in 2016, twenty three entries along with 9 varietal/hybrid checks in 2017 and twenty one entries along with 7 varietal/hybrid checks in 2018 were screened for resistance against Asian rice gall midge [*Orseolia oryzae* (Wood-Mason)] at Professor Jayashankar Telangana State Agricultural University, Regional Agricultural Research Station, Warangal, Telangana during wet season under delayed planting situation ensuring sufficient pest load. Among the entries screened, only one entry WGL-811 had shown resistant reaction with 5 per cent hill damage and 0.34 per cent silver shoots and 5 entries *viz.*, RDR 1162, WGL 1119, IBT R4, WGL 1150, WGL 1021 shown moderate resistant reaction with less than 5% silver shoot damage. Among these, the entries *viz.*, WGL-811, WGL 1119 and WGL 1150 recorded lower per cent plant damage (5-25%), lower silver shoot damage and were promising against gall midge and can be used in breeding programmes as a source of gall midge resistance or could be released as varieties, if found promising for yield traits and acceptable plant type.

Keywords : *Gall midge, resistance, rice and screening*