

Screening for the Rice Varieties Resistant to Stripe Disease

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ABSTRACT

The rice stripe disease caused by a viral agent which was transmitted by *Laodelphax striatellus* Fallen with transovarial passage through the infective female.

A total of 145 rice varieties (lines) were screened for the resistance of stripe disease both by artificial inoculation under green house and natural infection under field conditions. Results showed that Taichung Yu 420 was highly resistant, 22 was resistant, 60 was moderate resistant, 38 was susceptible, and 24 was highly susceptible to this disease. Results obtained from the field experiment revealed that most of varieties or lines tested were resistant or highly-resistant to stripe disease.

The symptoms on Indica type showed mottle on leaves while on Japonica type showed unfold, elongated, dropped and chlorosis tip necrosis on twisted leaves.

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