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Research Note

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Evaluation of onion genotypes against purple blotch (*Alternaria porri*)

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ABSTRACT : Purple blotch caused by *Alternaria porri* is one of the most important prevalent disease of onion and causes severe economic losses to farmers. Forty four genotypes of onion were evaluated and screened against purple blotch disease. Based on the results obtained all the genotypes were grouped into five grades. Out of 44 genotypes none of them was found resistance or immune, while 5 genotypes *viz.*, OG-4, OG-7, OG-14, OG-34 and OG-44 were found to be moderately resistant (Grade 2) and per cent of leaf area infection ranged from11.00 to 20.00 per cent. Under moderately susceptible (Grade 3) 31 genotypes were grouped with 21.00-40.00% leaf area infection, five were susceptible (Grade 4) with leaf area infection from 41.00% - 60.00% and the remaining two genotypes were highly susceptible with grade 5 and leaf area infection was more than 60%.

KEY WORDS : Onion, *Allium cepa* L. Purple blotch, *Alternaria porri*

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