

Evaluation of chickpea genotypes for seed germination, plant height and resistance against dry root rot incited by *Rhizoctonia bataticola* (Taub.) Butler

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ABSTRACT : An attempt was made to identify the resistant cultivars among the promising chickpea genotypes by following sick pot technique during *Rabi* season 2013-2014 at Allahabad School of Agriculture, Allahabad. The screening of chickpea genotypes for seed germination at the 5 and 10 DAS was significantly increased in all the genotypes as compared to control. The maximum germination was observed in variety BG-3025 at the 5 and 10 DAS, 80.83 and 92.50 per cent, respectively. The maximum plant height at 30, 60 and 90 DAS was observed in BG-3025 variety, 8.30, 19.34 and 35.06 cm, respectively. Evaluation of chickpea genotypes for resistance against dry root rot, the variety BG-3025 was found minimum disease incidence (20.72%) at 90 DAS and maximum grain yield 20.16 q/ha was recorded at 135 DAS.

Key Words: Chickpea (*Cicer arietinum*), germination, yield, root-rot resistant, *Rhizoctonia bataticola*.