

# Screening of Chickpea Genotypes for Resistance to Fusarium Wilt under Sick Plot Condition

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## ABSTRACT

A total of 277 chickpea genotypes obtained from various AICRP centers were evaluated to identify resistance sources against Fusarium wilt under sick plot conditions. The observations on wilt incidence were recorded at two stages *i.e.* seedling (30 DAS) and reproductive stage (60 DAS). The mean disease incidence ranged from 0-100%. Among the 277 chickpea genotypes tested, 47 genotypes were resistant, 77 genotypes were moderately resistant, 45 genotypes were moderately susceptible, 42 genotypes were susceptible and 64 genotypes were found highly susceptible. The chickpea genotypes identified as resistant were further screened for their stable resistant reaction as these genotypes can be used in breeding programs to develop resistant varieties.

**Keywords:** *Chickpea, Cicer arietinum, Disease incidence and Fusarium wilt.*