

Management of Collar rot of Groundnut through seed treatment

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ABSTRACT

Groundnut is an economically important edible oilseed crop. Among the groundnut diseases, collar rot is one of the economically important diseases and prevalent in almost all the groundnut-growing states. This disease is extensive in the *Kharif* season rather than *Rabi* season. The present field experiment was conducted for three years to find out effective fungicides for control of collar rot of groundnut in the North Coastal Zone of Andhra Pradesh. Eight treatments along with a check were laid in a randomized block design with three replications. Fungicides *viz.*, Carbendazim, Tebuconazole, Mancozeb, Captan bioagents *viz.*, *Trichoderma asperellum*, *T. harzianum*, *Pseudomonas fluorecens* were tested in field condition. Minimum disease incidence (12.61%) and higher pod yield (2081 kg/ha) were recorded by seed treatment with tebuconazole followed by carbendazim (15.76% and 1939 kg/ha) as compared to untreated check (36.51% and 913 kg/ha), respectively.

Keywords: *Aspergillus*, *Collar rot*, *Ground nut* and *Tebuconazole*.