

Management of Stem Rot and Late Leaf Spot Groundnut using Methylo-trophic Bacteria under Field Conditions

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ABSTRACT

A field experiment was conducted at Agricultural College Farm, Bapatla during late *rabi*, 2018-19 to evaluate the biocontrol potential of methylotrophs against *Sclerotium rolfsii* and *Phaeoisariopsis personata* under field conditions. The results indicated that seed treatment with bacteria and tebuconazole +soil application of bacteria was found to be most effective in managing stem rot with 86.82 per cent reduction over control and late leaf spot with 44.30 per cent reduction over control. Among all treatments foliar application of bacteria was found most effective in controlling late leaf spot with 51.32 per cent disease reduction over control.

Key words: *Methylotrophs, PPFM, Sclerotium rolfsii and Phaeoisariopsis personata.*