

Identification of Defense Related enzymes for the Management of Wilt Disease in Groundnut

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ABSTRACT

Groundnut seeds treated with the biocontrol agents *viz.*, *Trichoderma*, *Pseudomonas fluorescens* and *Bacillus subtilis* induced systemic resistance, activated defense related enzymes *viz.*, PAL, PO, PPO and accumulated phenol against challenge inoculated *Fusarium oxysporum*. The biocontrol agents increased the shoot and root length of groundnut seedlings. Plant growth enhancement was high in Tv₁, Pf₁ and Bs₁₀ combination followed by Tv1 and Bs10.

Keywords: *Groundnut- Wilt - PAL- PO- PPO*