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RESEARCH PAPER

In vitro efficacy of fungal and bacterial antagonists against *Fusarium oxysporum* f. sp. *ciceri* causing chickpea wilt

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Abstract : *Fusarium oxysporum* f. sp. *ciceri* is one of the most destructive pathogen, causing wilt disease in chickpea and there by inflicting accountable quantitative (48.29%) as well as qualitative losses. All the six fungal and two bacterial bioagents tested *in vitro*, exhibited significant mycelial growth inhibition of *Fusarium oxysporum* f. sp. *ciceri*. However, *Trichoderma viride* recorded significantly highest mycelial growth inhibition (75.55%), followed by *Trichoderma harzianum* (73.77%) *Trichoderma koningii* (71.88%) and *Pseudomonas fluorescens* (43.77%). Rest of the bioagents tested also caused significant mycelial inhibition of the test pathogen.

Key Words : Fusarium wilt, Fungal bioagents, Bacterial bioagents, Chickpea

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