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Integrated management of fusarium wilt of chickpea (*Cicer arietinum* L.) caused by *Fusarium oxysporum f*.sp. *ciceris* with microbial antagonist and fungicides

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ABSTRACT : Chickpea (*Cicer arietinum* L.) is the most important pulse crop grown all over India. *Fusarium oxysporum* f.sp. *ciceri* cause chickpea wilt is one of the major diseases on Chickpea in Vindhyan region, which is soil and seed borne. Heavy inoculum in soil and favorable environment condition results in the death of infected plant and therefore total yield loss. In this study, three antagonists and three fungicides were studied against *Fusarium oxysporum* f.sp. *ciceri* causing Chickpea wilt. Field studies found that Combination of *Trichoderma harzianum* + hexaconazole 5 EC gave minimum wilt incidence (16.53%) and maximum yield (1512 kg/ha) followed by *G. virens*+ hexaconazole 5 EC and *T. viride* + hexaconazole 5 EC.

Key Words: Chickpea, f*usarium*, t*richoderma*, *f*ungicide, antagonist, pathogen.