

Effect of Selected Agrochemicals on Radial Growth of *Trichoderma harzianum* (Th₄) in Vitro

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ABSTRACT

Commonly used agrochemicals at recommended field concentrations were evaluated for their toxicity to *Trichoderma harzianum* (Th₄) obtained from cotton ecosystem. Among fungicides, carbendazim showed higher toxicity followed by captan, metalaxyl, mancozeb and copper oxychloride. Chlorpyrifos was found more toxic followed by quizalofop ethyl among insecticides. Zinc sulphate followed by urea and diammonium phosphate was found to be the most toxic fertilizer. Imidacloprid, imazethapyr, single super phosphate, magnesium sulphate, muriate of potash and gypsum showed lesser inhibition on poisoned food and hence are likely to be compatible with *T. harzianum* (Th₄).

Key words : Insecticides, Fertilizers, Fungicides, Herbicides, *Trichoderma*, Toxicity.