

## COMPARATIVE BIO-EFFICACY STUDIES OF TALC BASED *TRICHODERMA* SPP. FORMULATION IN TOMATO

Vipin Kumar, S. Dwivedi, R.K. Mishra and P. Gupta

*Received April 3, 2011 and Accepted June 30, 2011*

**ABSTRACT :** The present experiment was carried out to evaluate the bio-efficacy of *Trichoderma harzianum* and *Trichoderma viride* formulation in tomato. Both the species were isolated from rhizospheric soil of healthy tomato plant from “Research plot of Department of Plant Protection, AAI-DU, Allahabad. Bio formulation was developed in talc powder. Bio-efficacy of these formulations was assessed on seed germination, plant height, plant biomass and damping off disease under green house condition in tomato. In the present study, we aimed to determine the diversity among the species of *Trichoderma*. Seed treatment with both the formulations significantly enhanced the seed germination, plant height and plant biomass and reduced the damping off compared to control, where as *Trichoderma harzianum* formulation recorded more effective bio-efficacy than *Trichoderma viride*.

**Key Words:** Tomato, bio-efficacy, talc, *Trichoderma harzianum*, *T. viride*.