

COMPARATIVE EFFICACY OF *PAECILOMYCES LILACINUS* AND *TALAROMYCES FLAVUS* ON COLONIZATION OF MUNGBEAN AND SOYBEAN ROOTS BY *MELOIDOGYNE INCOGNITA* AND ROOT INFECTING FUNGI

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Abstract

Soil amendment with rice grain inocula of *Paecilomyces lilacinus* and *Talaromyces flavus* showed a significant suppression in colonization of mungbean and soybean roots by *Macrophomina phaseolina*, *Rhizoctonia solani* and *Fusarium solani*. *Paecilomyces lilacinus* also showed a reduction in Root-Knot Index (RKI) whereas *T. flavus* was ineffective. A combined application of both the biocontrol agents gave additive effects against *M. phaseolina* and *R. solani* but not against *F. solani* and *M. incognita*.