

EFFICACY OF *ARTHROBOTRYS OLIGOSPORA*, *HIRSUTELLA RHOSSILIENSIS*, *PAECILOMYCES LILACINUS* AND *PASTEURIA PENETRANS* AS POTENTIAL BIOCONTROL AGENTS AGAINST *MELOIDOGYNE INCOVNITA* ON TOMATO

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Abstract

Efficacy of *Atrhrobotrys oligospora*, *Hirsutella rhossiliensis*, *Paecilomyces lilacinus* and *Pasteuria penetrans* in the control of *Meloidogyne incognita* root-knot in tomato was tested in pots using 10^3 cfu of inoculum per g soil. All treatments gave significant reduction in nematode population. *A. oligospora* was most effective as potential biocontrol agent against *M. incognita* in pots, where the percent of females reduction ranged from 72 and 77.4 after 10 and 20 weeks of application, while *H. rhossiliensis* gave 43.3 and 39.5, *P. lilacinus* 48.2 and 51.2 and *P. penetrans* 38.8 and 61.1% reduction after 10 and 20 weeks.