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# USE OF *PAECILOMYCES LILACINUS* IN THE OCONTROL OF *FUSARIUM OXYSPORUM* ROOT ROT AND *MELOIDOGYNE JAVANICA* ROOT KNOT INFECTION ON TOMATO

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**Abstract**

Steam sterilized soil artificially infested with *Meloidogyne javanica* and *Fusarium oxysporium* showed an increase in gall formation only where nematode population was 2000 eggs and fungus density $10^4$cfu/250g soil. At large nematode or *F. oxysporium* populations in soil, gall formation decreased coupled with reduced height of plants and seedling mortality. *Paecilomyces lilacinus* showed complete control of *M. javanica* infection on tomato root in soil containing an inoculum of 2000 eggs/250g soil with no inoculum of *F. oxysporium.* The efficacy *P. lilacinus* declines where the density of *F. oxysporium* increased to $10^6$ cfu/g and the root knot nematodes was 4000 eggs/250g soil.