

**INFLUENCE OF LEAF EXTRACTS OF MARIGOLD AND THE
FUNGICIDE BENLATE ON FUNGAL PARASITISM OF
MELOIDOGYNE JAVANICA EGGS IN KENYAN SOIL**

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Abstract

The effects of leaf extracts of marigold (*Tagetes patula* L.) and the fungicide Benlate of fungal parasitism of *Meloidogyne javanica* eggs were evaluated. Marigold leaf extract and Benlate significantly inhibited egg parasitism on water agar. Benlate treated eggs were least parasitized. The highest marigold leaf extract concentration also significantly inhibited egg infection. In the post test, however, egg infection increased with an increase in extract concentration. *Fusarium solani* was more parasitic on eggs than *F. oxysporium*. Galling intensity on tomato roots decreased with an increase in the concentration of the extract showing significantly larger root and shoot weights as compared to control plants showing more galls and poor growth. There was significantly more egg parasitism in marigold amended than in non-amended soil.