

EFFICACY OF BOTANICALS ON HATCHING AND LARVAL MORTALITY OF *MELOIDOGYNE INCOGNITA*

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Abstract Botanical extracts of *Azadirachta indica*, *Ocimum canum*, *Mentha spicata*, *Aloe barbedenses*, *Vincia rosea*, *Tagetes erecta*, *Calotropis gigantean*, *Humulus lupulus*, *Datura innoxia*, *Rosa damascene* and *Ricinus comunis* were evaluated for their nematicidal effect against *Meloidogyne incognita* juveniles hatching from egg masses. Results were found that all botanical extracts significantly inhibit/ educe the emergence of juveniles (J₂) from egg masses as compared to control. Among the botanical treatments, extracts of *Azadirachta indica* showed maximum inhibition on the emergence of juveniles from egg masses, maximum effect on larval mortality and minimum gall formation as compared to other plant extracts used.

Keywords: Botanical extracts, *Meloidogyne incognita*, Juveniles

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