

**EFFECT OF SELECTED BOTANICAL EXTRACTS AGAINST *MELOIDOGYNE*
INCOGNITA (KOFOID AND WHITE) CHITWOOD ON POTATO
(*SOLANUM TUBEROSUM* L.)**

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ABSTRACT

An experiment was conducted under glass-house conditions to evaluate the botanical extracts against *Meloidogyne incognita* (Kofoid and White) Chitwood on potato. The use of botanical extracts for the control of nematodes is a very attractive alternative, as aim to decrease the extent of environment degradation and the effect of the excessive toxic nematicides. In the present study, efficacy of botanical extracts of eight plant leaves viz marigold (*Tagetes erecta*), drumstick (*Moringa oleifera*), neem (*Azadirachta indica*), guava (*Psidium guajava*), datura (*Datura metel*), sarifa (*Annona reticulata*), chrysanthemum (*Chrysanthemum cinerariaefolium*) and castor (*Ricinus communis*) significantly improved the potato growth parameters in terms of shoot length(cm), root weight (g), root length (cm), length of potato tuber (cm), width of potato tuber (cm), number of tubers and weight of one potato tuber(g) and reduced root-knot infections and reductions in number of galls and number of larvae of the nematode as compared with the untreated plant.

KEYWORDS: Potato, *Meloidogyne incognita*, Botanical Extracts, Carbofuran 3G