

**EFFECT OF PLANT EXTRACTS IN THE CONTROL
OF *HELICOTYLENCHUS DIHYSTERA*
(COBB, 1893) SHER, 1961**

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Abstract

Leaf extracts of neem (*Azadirachta indica* Juss), datura (*Datura fastuosa* L. var. *alba* (Nees) Clarke) and calotropis (*Calotropis procera* R. Br.) were found toxic to *Helicotylenchus dihystra*. Datura leaf extract gave maximum nematode mortality (80%) followed by calotropis (70%) and neem (40.66%), respectively. The toxicity of extracts increased with an increase in concentration as well as the exposure time. Use of leaf extracts showed a significant increase in growth of tomato plants which was found to be associated with the increasing concentration of extracts and subsequent decrease in nematode population.