

## **Efficacy of bark of different plant species on root-knot nematode, *Meloidogyne incognita* infecting bottle gourd**

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Received September 11, 2011 and Accepted November 17, 2011

**ABSTRACT:** A pot experiment was conducted to study the efficacy of decomposed chopped hardwood bark @ (100 gm/kg soil) of six different plant species viz; *Azadirachta indica*, *Acacia nilotica*, *Eucalyptus citriodora*, *Emblica officinalis*, *Mangifera indica* and *Terminalia arjuna* against *Meloidogyne incognita* on Bottle gourd. *Azadirachta indica* was proved most effective followed by *Acacia nilotica*, *Eucalyptus citriodora*, *Emblica officinalis*, *Mangifera indica* and *Terminalia arjuna* respectively. Improvement in plant growth and reduction rate of nematode population was low in 30 days but it appreciably increased with increase in exposure period (60 days).

**Key Words:** Bottle gourd, hardwood bark, *Meloidogyne incognita*.