

## RESEARCH ARTICLE

# Identification of resistance in mulberry, *Morus* spp. for root knot nematode, *Meloidogyne incognita*

■ S. GNANAPRAKASH, B. MADHUMITHA, C. JAYAPRADHA, S. DEVIPRIYA AND P. KALAIARASAN

### SUMMARY

Ten numbers of mulberry (S1635, S36, MR2, RFS 135, DD, C20, Kanwa 2, Srinagar Local, Berhampur Local and Local) varieties/genotypes were investigated under field conditions for their resistance against the root-knot nematode, *Meloidogyne incognita*. Among the ten varieties, only one variety viz., RFS 135 showed resistance response against *M. incognita*, while the varieties, C20 and DD showed moderate resistant reaction. A positive correlation was observed between the root knot nematode resistance and peroxidase enzyme activity in mulberry genotypes.

**Key Words :** Root knot nematode, *Meloidogyne incognita*, Mulberry, *Morus* spp.

**How to cite this article :** Gnanaprakash, S., Madhumitha, B., Jayapradha, C., Devipriya, S. and Kalaiarasan, P. (2016). Identification of resistance in mulberry, *Morus* spp. for root knot nematode, *Meloidogyne incognita*. *Internat. J. Plant Sci.*, **11** (2): 262-264, DOI: 10.15740/HAS/IJPS/11.2/262-264.

**Article chronicle :** Received : 02.02.2016; Revised : 27.04.2016; Accepted : 06.06.2016

### MEMBERS OF THE RESEARCH FORUM

#### Author to be contacted :

S. GNANAPRAKASH, Department of Agricultural Entomology, Agricultural College and Research Institute, Killikulam, VALLANADU (T.N.) INDIA

Email: msgprakash92@gmail.com

#### Address of the Co-authors:

B. MADHUMITHA, C. JAYAPRADHA, S. DEVIPRIYA AND P. KALAIARASAN, Department of Agricultural Entomology, Agricultural College and Research Institute, Killikulam, VALLANADU (T.N.) INDIA