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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.

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