

Eco-friendly management of grapevine downy mildew with wanis

■ E. RAJESWARI

SUMMARY

Anti-fungal efficacy of a botanical formulation “wanis” containing predominantly monoterpene derivatives was evaluated in vitro against sporangial germination of downy mildew pathogen *Plasmopara viticola*. Wanis at 0.5 per cent completely inhibited the sporangial germination of *P. viticola*. Post inoculation spraying of wanis (0.5%) controlled grapevine downy mildew incidence to an extent of 67.95 per cent in the green house. In field trials wanis spray at 0.5 per cent reduced the downy mildew incidence by 66.61 per cent. Post inoculation spraying of wanis significantly increased the peroxidase (PO) and phenylalanine ammonia lyase (PAL) activity in grapevine plants after three days of inoculation.

Key Words : Grapevine, Downy mildew, Botanical formulation, Wanis, Management

How to cite this article : Rajeswari, E. (2013). Eco-friendly management of grapevine downy mildew with wanis. *Internat. J. Plant Sci.*, 8 (2) : 253-257.

Article chronicle : Received : 04.06.2012; Revised : 06.02.2013; Accepted : 12.03.2013

AUTHOR FOR CORRESPONDENCE

E. RAJESWARI, Department of Plant Pathology, Tamil Nadu Agricultural University, COIMBATORE (T.N.) INDIA
