BIO-UPDATE:  
Nematodes for the Control of Black Vine Weevil

Black Vine weevil larvae

Black Vine Weevil larvae in the growing media

Black Vine Weevil Biological Control:

Black Vine Weevil (Otiorhynchus sulcatus) is a major pest of nursery stock, pot plant and soft fruit production.

Leaf notches around the edge of leaves indicates damage by adult weevils, this is when egg laying begins.

Adults are all female, approximately 10 mm long, and can lay up to 1000 eggs between June and October but over a longer period under protection. The larvae feed mainly on roots but they will also eat corms and soft fleshy stems. It takes several months to develop from egg to adult resulting in one cycle per year on outdoor crops but multiple generations may occur on heated crops.

You might also be interested in our IPM Guide for Controlling Vine Weevil.

Detailed practical information on implementing a complete IPM programme for Vine Weevil control, including compost incorporated products and adult controls, can be found in the booklet ‘A Practical IPM Guide to Controlling Vine Weevil on Ornamental Nurseries’ which is available for download from NAD’s website.
Nemasys-L

Type: Microscopic nematodes (Steinernema kraussei)

How it works:
The nematode worms seek vine weevil larvae in moist soil and compost, larger weevil grubs are more easily located. Nematodes enter the weevil larvae and release a small pellet of bacteria that kills the host after a few days. The parasitic worms begin to reproduce, releasing several thousand more juvenile infective nematodes able to find and kill further weevil grubs.

Species controlled:
Black vine weevil (Otiorhynchus sulcatus) and other soil living larvae.

When to use:
Autumn and Spring are the main seasons for nematode application, although additional treatments may be needed for heated or protected crops. It is important that the soil or compost is kept moist (not water logged).

Nemasys-L will work as low as 5°C allowing applications to be made whenever the pest is active. Apply as a drench using conventional sprayer, dilutor, watering can or through most irrigation lines. In all cases remove any fine filters and ensure water temperature is between 5 and 15°C.

Rates of use:
Container plants: The 50 million pack treats up to 100 m², 250 million up to 500 m².
Open ground treatments: The 50 million pack treats up to 50 m², 250 million up to 250 m².

We also have Information sheets available re application of Nemasys-L through Dosatron dilutors – please ask for your copy.

Act now and order your stock for September / October application!

Contact NAD sales team on 01 8437808 or by e-mail: sales@nadirl.com