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growing through
innovation

Black Vine Weevil (*Otiorhynchus sulcatus*) Control Using Nematodes

Black Vine Weevil (BVW) is a serious pest in soft fruit production in the UK - many growers use beneficial nematodes as part of their control strategy.



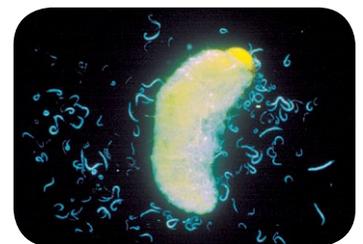
Agrovista working with Becker Underwood provide UK soft fruit grower's two products to control BVW:

- Nemasys® L (*Steinernema kraussei*) - provides rapid control whilst also working at lower temperatures, down to soil temperatures of 5°C.
- Nemasys® H (*Heterorhabditis megidis*) - used when pest populations are high and a rapid knockdown is required. This nematode turns the infected larvae a characteristic red colour, reassuring the grower of its success.

Applying Nemasys® L extends the window of opportunity to control BVW - autumn applications are particularly useful as all the BVW eggs will have hatched, with all larvae being a potential target.

Why use Nematodes?

- Rapid curative control of larvae
- Control at all times when larvae are active
- No resistance problems
- No re entry interval
- Simply applied as a drench or through irrigation systems
- Approved for organic and conventional use



Key features of Nemasys® L and Nemasys® H?

Nemasys® L	Nemasys® H
Effective at low temperatures (5°C - 30°C)	Effective at warmer temperatures (12°C - 30°C)
Apply February to November when larvae are present	Apply April to October when larvae are present
Very robust	Very aggressive
Withstand harsh conditions	Kills rapidly when conditions are ideal
Infected larvae turn yellow	Infected larvae turn red

When should you use each product?

Nemasys® L – use in variable conditions	Nemasys® H – use when conditions are ideal and stable
When soil temperatures fluctuate	Effective at warmer temperatures (12°C - 30°C)
For soil and substrate crops	When soils will remain wet
To provide persistent control	For curative control of high populations
For high and low pest numbers	Particularly useful in the stable conditions offered by a substrate system
When soils are likely to dry	

STOP PRESS

Best practice is to apply the Nematodes during the first watering of the day - subsequent watering will ensure all Nematodes are washed out of the irrigation pipes, and distributed throughout the coir to maximise effect.

Becker Underwood research on Botanicoir strawberry bags showed that only 0.1% of Nematodes applied were leached out providing a high level of Black Vine Weevil control.

How much will you need?

Nemasys® L and Nemasys® H are both applied @ 25,000 per plant.
50 million packs treats 2,000 plants. 250 million packs treats 10,000 plants.

How should you apply your Nematodes?

Nemasys® L and Nemasys® H can be applied by drench, spray or via drip lines.

ALWAYS READ THE LABEL FOR FULL APPLICATION AND STORAGE DETAILS

For further information, or to arrange supply of Nemasys® L and Nemasys® H, call Mark Davies on 07979 703 526 or email mark.davies@agrovista.co.uk



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