

Nemasys® L

Biopesticide for black vine weevil control

Active ingredient: insect parasitic nematodes, <i>Steinernema kraussei</i>	33%
Other ingredients: vermiculite and water.....	67%
Total	100%

Each tray contains a minimum of 50 million infective juvenile nematodes.
One tray will treat 50m² of beds or field grown stock or 100 m² pot/container grown stock.

KEEP OUT OF REACH OF CHILDREN

Nemasys® L is recommended as a curative treatment to control the larval stages of vine weevil (*Otiorhynchus sulcatus*) present in soil or media in container-grown crops.

THESE ARE LIVING ORGANISMS THAT REQUIRE SPECIAL HANDLING AND APPLICATION PROCEDURES.
FOLLOW THESE INSTRUCTIONS CAREFULLY TO OBTAIN MAXIMUM ACTIVITY.

RECOMMENDED RATES

Drench application – preferred method, especially where crop canopy is dense. Make up Nemasys® L to give a final dilution of 1 tray in 200 litres water if treating open soil or 1 tray in 400 litres water if treating pots/containers. Apply at 4 litres/m². The table below gives volumes of diluted Nemasys® L required for different pot sizes.

Pot diameter (cm)	Drench per pot (ml)	No. of pots treated/pack
10	31	12732
12	45	8842
14	62	6496
16	80	4974
18	102	3930
20	126	3183
22	152	2631
24	181	2210
26	212	1883
28	246	1624
30	283	1415
32	322	1243
34	363	1101
36	407	982
38	454	882
40	503	796

Spray application – make up Nemasys® L to give a final dilution of 1 tray in 50 litres water if treating open soil or 1 tray in 100 litres water for treating pots/containers. Apply immediately at 1 litre/m².

Knapsack sprayer Make up stock solution: suspend 1 tray of Nemasys® L in 10 litres water in a clean graduated bucket. Agitate the stock solution and dilute as follows:

Drench application:

Open soil – 1 part stock solution + 19 parts water

Pots - 1 part stock solution + 39 parts water.

Keep solution agitated and apply immediately at 4 litres/m².

Spray application:

Open soil – 1 part stock solution + 4 parts water.

Pots - 1 part stock solution + 9 parts water.

Keep solution agitated and apply immediately at 1 litre/m².

Strawberry Application – Prepare to a dilution of 1 pack in 200 litres water. Apply immediately at 100ml (25, 000 nematodes) per plant. Drench each plant individually, direct application around the base of each plant avoiding run off. One pack will treat 2000 plants.

DIRECTIONS FOR USE

1. Remove all filters from the nozzles and filters, 1mm; 18 mesh or finer, from the application equipment.
2. Partly fill the tank with cool clean water. Start the agitator and keep running until application is completed.
3. Empty the appropriate number of Nemasys® L trays into a large bucket, add 10 litres water and mix thoroughly.
4. Rinse bucket contents into the tank through its sieve.
5. Add the required volume of additional water to the tank.
6. Apply Nemasys® L solution.
7. Irrigate immediately to wash nematodes off foliage. Do not irrigate to cause run off from the tops of pots

APPLICATION CONDITIONS

For optimum results:

- Treatment should be applied when black vine weevil larvae are present, in spring and autumn.
- Soil or media temperatures should be between 5 and 30°C for at least two weeks after application.
- The soil or media should be moist.
- Routinely treat new material coming onto the nursery that may contain black vine weevil larvae.

- Use entire tray at one time.
- Use nematodes immediately after mixing.
- Agitate nematodes constantly during application.
- If product is applied over foliage, irrigate immediately with plain water.

PRECAUTIONS

- Do not use product if past expiry date or incorrectly stored.
- Nemasys® L is compatible with many commonly applied pesticides but some chemicals may reduce the viability and/or efficacy of the product: details are available from your distributor.
- Nemasys® L persists for approximately four weeks, larvae emerging from eggs laid after this time may be poorly controlled.
- Nemasys® L will not control black vine weevil pupae or adults.
- Do not store Nemasys® L solution for future use.
- Do not exceed 300 psi/20 bar/2000 kPa pump pressure.

STORAGE AND DISPOSAL

- Upon receipt remove outer packaging.
- Store Nemasys® L in a refrigerator (5°C) but **do not freeze**.
- Ensure good air circulation around each tray.
- Use entire tray contents at one time – **do not subdivide trays** as each contains a measured dose of nematode.

- Use before expiry date.
- Disposal of product and packaging waste in accordance with local regulations.

CONDITIONS OF SALE AND WARRANTY

Becker Underwood warrants that this product conforms to the description on the label. Use and storage of this product is beyond the control of Becker Underwood or the distributor. BECKER UNDERWOOD OR THE DISTRIBUTOR MAKES NO OTHER EXPRESSED OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESSED OR IMPLIED WARRANTY. BUYER'S SOLE REMEDY SHALL BE LIMITED TO, AT BECKER UNDERWOOD'S OPTION, EITHER REPLACEMENT OF DEFECTIVE PRODUCT OR FULL REFUND. In no case shall Becker Underwood, or the distributor be liable for consequential, special, or indirect damages resulting from the use or handling of this product. In using this product the Buyer accepts these terms and conditions.

Produced by;

Littlehampton, UK

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