

Nemasys L™

Biocontrol for Black Vine Weevil

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

Available in trays of 50 million or 250 million infective juvenile nematodes.
Each 50 million nematode tray will treat 1075 sq ft. Each 250 million nematode tray will treat 5500 sq ft.

KEEP OUT OF REACH OF CHILDREN

Store in refrigerator at 41 °F (5°C)
Do Not Freeze
Do Not Leave in Bright Sunlight
Read All Directions Before Using

Manufactured by:
BECKER UNDERWOOD
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Ames, Iowa 50010
(800) 232-5907
www.beckerunderwood.com

Contents: 50 million beneficial nematodes (*Steinernema kraussei*)
250 million beneficial nematodes (*Steinernema kraussei*)

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 nematodes 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 (50 million nematodes) in 100 gallons of water, or 250 million nematodes in 500 gallons of water. Apply at 90 gallons/1000 sq ft. The table below gives volumes of diluted **Nemasys L** required for different pot sizes.

Pot Diameter (inches)	Drench per pot (oz)	No. of Pots Treated (50 million nematodes)	No. of Pots Treated (250 million nematodes)
4	1.0	12,800	64,000
5	1.6	8,000	40,000
6	2.3	5,565	27,825
7	3.1	4,100	20,645
8	4.0	3,200	16,000
9	5.1	2,500	12,550
10	6.3	2,030	10,160
11	7.6	1,680	8,420
12	9.0	1,420	7,110
13	10.6	1,200	6,040
14	12.3	1,040	5,205
15	14.1	905	4,540

Spray application: Make up **Nemasys L** to give a final dilution of 1 tray of 50 million nematodes in 13 gallons of water, or 250 million nematodes in 65 gallons of water. Apply immediately at 13 gals / 1000 sq ft.

Strawberry application: Prepare to a dilution of one 50 million nematode tray in 50-55 gallons water, or one 250 million nematode tray in 260-265 gallons of water. Apply immediately at 3-3.5 oz per plant. Drench each plant individually directing the application around the plant base, avoiding runoff. One 50 million tray will treat 2,000 plants, one 250 million tray will treat 10,000 plants.

DIRECTIONS FOR USE

1. Remove all fittings from the nozzles and filters, 18 mesh (1 mm) 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 2 gallons of 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 runoff 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 40-86 °F for at least two weeks after application.
- The soil media should be moist.
- Routinely treat new material coming into 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 expiration 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 pump pressure.

Storage and Disposal

- **Upon receipt, remove from shipping box.**
- Store **Nemasys L** in a refrigerator (41 °F) 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 nematodes.
- **Use before expiration date.**
- Disposal: product and packaging waste resulting from the use of this product, or unused, out of date product, may be disposed of on site or at an approved waste disposal facility in accordance with federal and 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

Becker Underwood

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