



## Flea Defeater Beneficial Nematodes

*Steinernema carpocapsae*

### Refrigerate Until Use; Do Not Freeze

Beneficial nematodes are microscopic predatory worms that hunt down and kill pest insects, but are safe for people, pets, plants and beneficial insects.

Common pests controlled by Flea Defeater Beneficial Nematodes include: **Flea Larvae/Pupae, Annual Bluegrass Weevils, Armyworms, Artichoke Plume Moth Larvae, Banana Moth Larvae, Banana Root Borers, Bill Bugs, Carpenterworms, Chinch Bugs, Clearwing Borers, Codling Moth Larvae, Corn Earworms, Corn Rootworms, Cranberry Girdlers, Crane Fly Larvae, Cutworms, Dogwood Borers, Giant Palmetto Weevils, Iris Borers, Mint Flea Beetles, Mint Root Borers, Mole Crickets, Navel Orange Worms, Peach Tree Borers, Pine Weevils, Poplar Clearwing Borers, Raspberry Crown Borers, Root Weevils, Rotten Sugarcane Borers, Shore Flies, Sod Webworms** and Strawberry Weevils. (Product is best suited for pests in bold.)

### General Directions

Flea Defeater can easily be applied with a watering can, a hose end sprayer or a pump sprayer—please note there are different directions for each application method (see below).

1. Refrigerate until use; do not freeze.
2. To extract nematodes from the package, empty contents into 2 quarts of clean tap water.
3. Use all nematodes in a single application session.
4. Apply in the morning or early evening, avoid-

ing direct sunlight and the heat of the day.

5. Water the area to be treated before application and water again after application to wash nematodes off foliage; applying during a gentle rain is ideal.
6. Nematodes can be applied anytime the soil is not frozen, but become active at soil temperatures of 68 degrees or above.
7. Reduce coverage area by half for heavy infestations; 5 million nematodes will cover 200 sq. ft.; 10 million nematodes will cover 400 sq. ft.
8. For borers: Use a pump sprayer to apply and spray directly into active boreholes and close the holes with wax.

### For Watering Can Application:

1. Thoroughly mix  $\frac{1}{4}$  packed teaspoon of nematodes per gallon of water.
2. Add mixture to watering can and apply. (Each gallon treats 50 sq. ft.)

### For Hose End Sprayer Application:

1. Thoroughly mix 3 packed teaspoons of nematodes per cup of water in a separate container.
2. Ensure there are no clumps of nematodes in the mixture—strain if necessary.
3. Add mixture to sprayer reservoir.
4. Set hose end sprayer to its highest setting and apply. (Each cup of solution treats 600 sq. ft.)

### For Pump Sprayer Application:

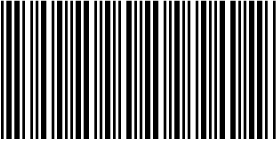
1. Thoroughly mix 1 packed teaspoon of nematodes per gallon of water.
2. Add mixture to pump sprayer and apply. (Each gallon treats 200 sq. ft.)

Beneficial nematodes are found throughout the world, but concentrations are too low to be effective. Horticultural practices such as cultivation and soil steaming kill beneficial nematodes. Therefore, soils need to be augmented with beneficial nematodes. Beneficial nematodes are completely harmless to people, pets and plants by ingestion or injection. There is no phytotoxicity. The US Environmental Protection Agency (EPA) has exempted beneficial nematodes from the registration required for chemicals (Federal Register vol. 47 #106, 23928). Recycle container after use, do not reuse. Not for human consumption. Store away from children. May cause allergic reaction. No warranty expressed or implied of any other purpose than stated here.

**Gardens Alive!® Inc.**  
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513-354-1483  
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SKU #61020 = 5 million nematodes;  
SKU #61021 = 10 million nematodes

610201



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