

# Fungus Gnat Control

For control of Fungus Gnats (*Bradysia* spp.), in greenhouses and potted plants. and garden areas. Contains infective juveniles of *Steinernema feltiae* nematodes on a sponge.

Net contents: 2x 5 million nematodes

Store at 41 F (5C)

## DO NOT FREEZE

## GENERAL INFORMATION

Fungus Gnat Control is a patented formulation of the beneficial nematode *Steinernema feltiae* that aggressively seeks out, enters, and controls the larva of target insect pests often found in greenhouses, indoor plants and garden areas..

Fungus Gnat Control is compatible with other biological control programs as well as many other chemical control products.

## DIRECTIONS FOR USE

Read and follow all label instructions thoroughly before applying Fungus Gnat Control.

For optimum results:

- Treat entire greenhouse or garden area as soon as possible. Soil or media temperature should be between 50 – 86 F (10 – 30 C). The soil or media must be moist prior to, during, and after application.
- Use entire sponge during application. Use nematodes immediately after they have been mixed. Use cool water for mixing and keep tank away from heat sources and out of direct sunlight. Agitate nematodes constantly during application.

## APPLICATION DIRECTIONS

Watering Can: Apply at the rate of 5 million / 250 sq.ft. Re-apply second treatment in 7-10 days.

1. Open zip loc bag and carefully remove sponge
2. Use 1 zip loc package per treatment.
3. Add approximately 2 gallon /5 litres of water into watering can then squeeze sponge in water and leave in mixture.
4. Stir the mixture to ensure the nematodes are well mixed.
5. Apply the solution to the area to be treated (250 sq.ft / treatment)
6. Apply an equal amount of water to the same area to make sure the nematodes are well washed in.

**Greenhouse:** Apply Fungus Gnat Control at the recommended rate (refer to chart above) and treat the entire house or plant inventory as soon as insect pests appear. Re-apply at the

## Large capacity sprayers, overhead irrigation and sprinkler systems

1. Remove all in-line and nozzle filters (1mm, 50 mesh or less).
2. Partly fill the sprayer tank with cool, clean water. Begin and maintain agitation until spraying is completed.
3. Create a pre-mix stock solution by filling a clean bucket with cool water, add the recommended dosage of Fungus Gnat Control and allow product to hydrate and disperse for at least 5 minutes.
4. Transfer pre-mix stock solution into sprayer tank, begin and maintain agitation.
5. Add the required volume of additional water to the sprayer. Use at least three (3) gallons (11.4 liters) of water per 100 sq ft (6 m<sup>2</sup>) of treated area.
6. Irrigate immediately to wash nematodes off plant and onto soil media surface. Do not over irrigate to cause runoff from the tops of the pots/liners.

## For hand-held backpack sprayers

1. Make a concentrated Stock solution by filling a clean bucket with two (2) gallons (7.5 liters) cool water, add one sponge of Fungus Gnat Control, and allow product to hydrate and disperse for at least 5 minutes.

Application	Add this Volume of Stock Solution	Final Volume of Spray Solution
Light Infestation	16 oz (470.6 mL)	3 gals (11.4 liters)
Heavy Infestation	24 oz (705 mL)	3 gals (11.4 liters)

2. Apply the Final Volume of Spray Solution (3 gals or 11.4 liters) to 100 sq ft of moist soil or media. Use all of the Final Volume of Spray Solution within one hour of mixing, and agitate while spraying to prevent nematode settlement at bottom of sprayer tank.
3. Repeat step 2 with the remaining Stock Solution.
4. Irrigate immediately to wash nematodes off plant and onto soil media surface. Do not over irrigate to cause runoff from the tops of the pots/liners.

## APPLICATION DIRECTIONS

1. Removed all fine filters ( 1 mm, 50 or less)
2. Partly fill the sprayer tank with cool, clean water. Start the agitator and keep running until spraying is completed.
3. Create a pre-mix stock solution by filling a clean bucket with at least 3 gal (11.4 liters) of cool water, add one (1) tray of Fungus Gnat Control and allow product to hydrate and disperse for at least 5 minutes.
4. After Fungus Gnat Control has fully hydrated, stir contents or pre-mix solution thoroughly to ensure all product is dispersed.
5. Transfer pre-mix solution into the sprayer tank, begin and maintain agitation.
6. Fill sprayer tank to the required final spray volume.
7. Add a wetting agent/surfactant to the mixture.
8. Apply dose to the whole crop at the appropriate treatment rate.

## Compatibility Table

Some chemicals can be tank-mixed with Fungus Gnat Control, however, the following table lists products that have proved to be incompatible with Fungus Gnat Control when tank-mixed.

Product	Active Ingredient	Trade Name	Waiting Period
Fungicides	Anilazine Fenarimol Hydrogen dioxide Quaternary amines	Dyrene Rubigan Zerotol Green-Shield	1 week before or after 1 week before or after 1 day before, 2 weeks after 2 weeks before or after
Insecticides	Abamectin Bendiocarb Carbofuran Chlorpyrifos (EC) Diazinon Ethoprop Fenamifos Methomyl Oxamyl	Avid Turcam Furadan Dursban KnoxOut Mocap Nemacur Lannate Vydate	3 days before or after 1 week before or after 2 weeks before or after 1 weeks before or after 1 week before or after 2 weeks before or after 2 weeks before or after 1 week before or after 2 weeks before or after

\* Waiting Period: a product's persistence will determine how long an interval to wait before a Fungus Gnat Control application should be made. The above table indicates the timing of the pesticide application relative to the application of Fungus Gnat Control.

## PRECAUTIONS

Do not use product past expiration date.

Do not use through drip irrigation or misting systems.

Do not store Fungus Gnat Control solution for future use.

Do not exceed 300 psi pump pressure.

Never mix fertilizers or pesticides with Fungus Gnat Control in a concentrate solution.

Once pest are established, it may take two or three weeks before the number of adults is noticeably reduced.

Follow best management practices to monitor adult pest populations and to establish appropriate timing of nematode applications for optimal results.

### Store and Disposal

Upon receipt, remove outer packaging and use immediately or store in a refrigerator (41 F, 5 C)

Do not Freeze

Ensure good air circulation around each tray.

Use entire tray contents at one time – do not use partial trays.

Product and packaging waste resulting from the use of this product, unused or expired product may be disposed of on site or at any approved waste disposal facility in accordance with federal and local regulations.

## **WARRANTY DISCLAIMER**

Environmental Factor Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose stated on the label when used in strict accordance with the directions. Environmental Factor Inc. DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

## **REMEDIES**

The remedy for injury or damage from this product is limited to, in Environmental Factor's sole discretion, replacement of product or refund of the purchase price paid. Under no circumstance shall Environmental Factor Inc. be liable for incidental, consequential or special damages.

## **LIMITATION OF LIABILITY**

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