BENEFICIAL NEMATODES-NEMS

Steinernema feltiae

Product: Beneficial nematodes are the alternative to chemical insecticides for soil inhabiting pests. **NEMS** contains specific beneficial nematodes which give rapid control of fungus gnats including, glasshouse sciarid in hydroponic environments or potted house plants. Environments that are warm, moist, and humid are preferred by both fungus gnats and sciarid flies. These pests feed on both decaying organic matter and living material such as root, root hairs and stalk tissue. Beneficial nematodes are used as both a preventative and control agents; it is non-toxic for humans and harmless for plants.

Target: Soil Pests.

Release: Beneficial nematodes must be applied when sciarid or fungus gnats are found around the plants or when a problem is expected. As a preventative, applications must be repeated every 6 weeks. As a control, nematodes should be applied in 2-week intervals until a decrease in pests are seen on yellow sticky cards. If fungus gnats or sciarids are already present, it may take from 2-3 weeks before the number of adult gnats is reduced noticeably.

Preparation - The following precautions should be observed for best results:

1. Store NEMS in a refrigerator 5°C (41°F) and for a maximum of 2 months; *do not freeze*.
2. Ensure the soil is moist before applying NEMS. Irrigate if necessary. The soil must not dry out at any time after treatment.
3. Soil temperatures above 10°C (50°F) 14 days after treatment. Above 30°C (86°F), activity may be reduced.
4. Do not apply in bright sunshine. The best moments for application are in dark weather conditions and at night.
5. Filters (with diameters <1mm) must be removed system, so that blocking of nematodes during application is avoided.
6. Do not use centrifugal pumps for preparation. The effect of those pumps may be fatal to the nematodes.

Application:

1. Add 5 NEMS/1L, 50 NEMS/10L container of tepid water. Rinse small bag with water to release any nematodes - mix thoroughly until the suspension amount made will cover the treatment areas.
2. When applying NEMS to Flood Tables or other Hydroponic Systems DO NOT release nematodes into system reservoirs.
3. Nematodes can be applied with a watering can or hose end sprayer. Adding nematodes to drip system is NOT recommended.
4. Pour a small amount of beneficial nematode suspension onto each pot, cube, etc. The amount to pour should moisten the surface materials but not run though the pot. Mix concentrate before each addition to pot, cube, etc., this will ensure nematodes have not sunk to the bottom of suspension.
5. Use all NEMS suspension for one application over a 2-hour period.

Notes:

- Do not use any type of nematodes with *Aphidoletes aphidimyza* (aphid control). These beneficials pupate in the soil.

Please let us know within 24 hours of receipt if there are any problems with your Live Insect Order.

For further Information Contact: **NATURAL INSECT CONTROL**, 3737 Netherby Road, Stevensville, Ontario, L0S 1S0
905-382-2904 (Tel); 905-382-4418 (Fax); info@naturalinsectcontrol.com
For further Information on all NIC Beneficial Insects go to **www.naturalinsectcontrol.com**