

Nematac[®] C

Beneficial Nematodes

General Description

The active ingredient in Nematac[®] C is a naturally occurring, insect-parasitic nematode (*Steinernema carpocapsae*) that seeks out the larval stages of cranberry girdler (*Chrysoteuchia topiaria*). These beneficial nematodes enter the body of immature insects and release symbiotic bacteria which kills the pests. This nematode has not been modified in any way and is supplied in a moist inert carrier. This product is only active against insect pest.

Directions for Use

This product contains living organisms that require special handling. Follow these instructions carefully to obtain maximum activity.

Mixing and Application

1. Remove all fine filters (< mesh size 50), including those in the nozzles, from the sprayer.
2. Empty Nematac C trays into a large bucket, add water and mix thoroughly.
3. Rinse bucket contents into sprayer tank through its sieve.
4. Agitate contents of spray tank, maintain this until spraying is completed.
5. Add the required volume of additional water to the sprayer.
6. Apply Nematac C to the crop at the appropriate rate.

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Packaging

Available in packs containing 3 billion infective juvenile nematodes.

Recommended Rates

Apply Nematac C at 3 billion nematodes per acre.

Precautions

- Do not use product if past expiration date or incorrectly stored.
- The irrigation equipment and water should be cool when applying Nematac C.
- A nematicide should not be applied within 15 days before or after application with Nematac C.
- Do not apply chlorpyrifos or methomyl within one week before or after Nematac C application.
- Nematac C is compatible with most other pesticides and fertilizers when applied separately.
- The compost or soil should remain moist after treatment.

Application Procedures

Chemigation

1. Nematac® C can be applied through wheel-line, in-line, fixed-line or other sprinkler type systems.
2. Calibrate the injection pump to deliver the concentrate over a one-hour period or longer for uniform coverage.
3. Irrigate for at least one hour immediately prior to injecting Nematac C.
4. After injection, rinse feeder tank and inject into the system.
5. Immediately following application, irrigate with at least 0.5 inch to 1 cm of water. Continue irrigation daily for 14 days to maintain moist conditions for Nematac C activity.

Aerial application

1. Minimum water volume rate is 12 gallons of water per acre (110 litres per hectare).
2. Apply product close to crop surface to reduce drift.
3. Irrigate for one hour immediately prior to application. Maintain irrigation during application.
4. Immediately following application, irrigate with at least 0.5 inch to 1 cm of water. Continue irrigation daily for 14 days.

Ground spraying

1. Irrigate for one hour immediately prior to application.
2. Apply Nematac C with 102 gallons of water per acre (950 litres per hectare).
3. Immediately following application, irrigate with at least 0.5 inch to 1 cm of water. Continue irrigation daily for 14 days.

Application conditions

For optimum results:

- Soil temperatures should be between 57.2°F and 86°F (14°C and 30°C).
- The soil should be moist prior to application.
- Use entire tray at one time.
- Agitate nematodes constantly during application.
- Pump pressure must not exceed 300 psi.
- If necessary Nematac C may be held in the agitated tank for up to 24 hours but the liquid must be kept below 77°F (25°C).

Storage and Disposal

Storage

- Upon receipt remove outer packaging.
- Store Nematac C in a refrigerator 41°F (5°C) but **DO NOT FREEZE**.
- Ensure good air circulation around each tray.
- Use entire tray contents at one time - do not sub divide trays as each contains a measured dose of nematode.
- Use before expiration date.

Disposal

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

Always read and follow label directions.

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