Nemasys® is a naturally occurring, insect parasitic nematode (Steinernema feltiae) that seeks out the larval stages of fungus gnats (Bradysia spp.), and the adult and pupal stages of western flower thrips (Frankliniella occidentalis).

PACKAGING
Nemasys is available in trays of 50 million, 150 million or 250 million nematodes.

STORAGE AND DISPOSAL
• Storage: Upon receipt of product, remove from shipping packaging and use immediately or store in a refrigerator at 40 °F (5 °C). DO NOT FREEZE. Ensure good air circulation around each tray. Do not use if past expiration date or incorrectly stored.
• Disposal: Product and packaging waste resulting from the use of this product, or unused, outdated product, may be disposed of on site or at any approved waste disposal facility in accordance with federal and local regulations.

PRECAUTIONS
This product contains living organisms that require special handling and application procedures.
• DO NOT SUBDIVIDE. Once opened, use the entire tray immediately.
• Use cool water for mixing and keep tank out of direct sunlight.
• DO NOT STORE MIXED SUSPENSIONS. Use nematode suspensions immediately after they have been mixed.
• Remove filters that are 50 mesh or finer from application equipment and nozzles.
• Do not exceed 300 psi pump pressure.
• Do not use in application systems where nozzle aperture is smaller than 0.5 mm.
• Agitate nematodes constantly during application.
• DO NOT SPOT TREAT. Treat the entire greenhouse crop at the appropriate rate.

WARRANTY DISCLAIMER
Becker Underwood, Inc. warrants that this product conforms to the description on the label and is reasonably fit for the purpose stated on the label when used in strict accordance with the directions. BECKER UNDERWOOD DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESSED 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 Becker Underwood’s sole discretion, replacement of the product or refund of the purchase price paid. Under no circumstance shall Becker Underwood, Inc. be liable for incidental, consequential or special damages.

LIMITATION OF LIABILITY
No one is authorized to change or supplement, whether verbally or in writing, the statements contained on the label. Becker Underwood and the seller are not liable for personal injury or property damage or loss, including crop damage or lack of performance, due to circumstances beyond their control, like a product user’s failure to comply with the directions. Buyer and user assume all risks for these events.

Becker Underwood produces a variety of high quality, effective nematode products. Contact us to find out more!

Phone: 800–232–5907
801 Dayton Avenue, 
Ames, IA 50010
www.beckerunderwood.com
APPLICATION METHODS AND MIXING INSTRUCTIONS

Nemasys® can be applied by using common application equipment, including tank sprayers, backpack sprayers and irrigation injection systems.

- Fill spray vessel or stock tank with half of the required amount of cool, clean water.
- Start agitation and add the required number of Nemasys trays.
- Continue agitation while mixing and fill spray tank to the required spray volume.
- Maintain sufficient agitation during application to ensure uniform dispersion of nematodes in the spray mix.

Nemasys can be used in a rotational program with many conventional insecticides to reduce pest resistance. For more information on chemical compatibility or to learn more about targeted pests, visit www.beckerunderwood.com.

Fungus Gnat Applications

<table>
<thead>
<tr>
<th>Pest</th>
<th>Target</th>
<th>Application Interval</th>
<th>Application Rate</th>
<th>Application Volume¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fungus gnats</td>
<td>Soil or growing media</td>
<td>2–3 weeks</td>
<td>50 mil./1100 ft² (100 m²)</td>
<td>30–50 gal./1000 ft² (115–190 L/100 m²)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>150 mil./3300 ft² (300 m²)</td>
<td>250 mil./5500 ft² (500 m²)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>4–6 weeks</td>
<td>50 mil./550 ft² (50 m²)</td>
<td>150 mil./1650 ft² (150 m²)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>250 mil./2750 ft² (250 m²)</td>
<td></td>
</tr>
</tbody>
</table>

¹Adjust application volume as needed. Nemasys should be applied in a sufficient water volume to thoroughly soak the soil or growing media, but not beyond the point where water overflows or leaches from the pot.

Fungus gnat larvae can be controlled with Nemasys by making frequent, light applications or less frequent applications at higher rates. Application interval selected should be based on grower preference, management program, and crop growth characteristics. Regardless of interval selected, applications of Nemasys should begin early in the growth cycle for best results.

- Applications of Nemasys should be made to moist soil or growing media.
- Soil or growing media temperatures should be between 50 °F–86 °F (10 °C–30 °C).
- If product is applied over foliage, irrigate immediately with plain water to wash nematodes into soil or growing media. Do not over irrigate to cause runoff from the tops of pots or flush nematodes through the pot.
- In propagation areas, treat new plants as they are introduced.
- Interiorscape plants should be treated prior to placement.

Western Flower Thrips Applications

<table>
<thead>
<tr>
<th>Pest</th>
<th>Program Interval</th>
<th>Infestation Level</th>
<th>Application Rate</th>
<th>Application Volume¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western flower thrips</td>
<td>Soil or growing media</td>
<td>Initial application</td>
<td>All</td>
<td>50 mil./1100 ft² (100 m²)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>150 mil./3300 ft² (300 m²)</td>
<td>250 mil./5500 ft² (500 m²)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>30–50 gal./1000 ft² (115–190 L/100 m²)</td>
<td></td>
</tr>
<tr>
<td>Foliage</td>
<td>Once or twice weekly</td>
<td>Light</td>
<td>50 mil./4400 ft² (400 m²)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>150 mil./13200 ft² (1140 m²)</td>
<td>250 mil./22000 ft² (2040 m²)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2.5 gal./1000 ft² (10 L/100 m²)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Heavy</td>
<td>50 mil./2200 ft² (200 m²)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>150 mil./6800 ft² (570 m²)</td>
<td>250 mil./11000 ft² (1020 m²)</td>
</tr>
</tbody>
</table>

¹Adjust application volume as needed. For applications targeting soil, apply in a sufficient volume of water to thoroughly soak the soil or growing media, but not beyond the point where water overflows or leaches from the pot. For foliar applications, apply in a sufficient application volume to assure uniform foliar coverage, but do not apply to run–off.

Control of western flower thrips (WFT) is best accomplished with a program approach.

The initial drench application of Nemasys should be applied to the soil or growing media for control of soil–dwelling WFT early in the growth cycle, whereas subsequent applications of Nemasys should be made as foliar sprays to target foliar–dwelling WFT.

For best results with foliar sprays to target WFT:

- Apply Nemasys in the evening when pest activity is low.
- Use of an approved spray adjuvant will promote improved application uniformity and allow nematodes to reach the pest more effectively.
- Ensure that the crop remains wet for at least 2 hours following application by closing windows and ventilation.
- Do not apply in direct sunlight. Use blackout curtains during and for at least 2 hours after application. If using artificial lighting, switch off during and for at least 2 hours after application.