

# Nemasys® G

Advanced Biocontrol for White Grubs

## Best Management Practices Professional Lawn Care Application

### Timing

Goal is to prevent drying out the nematodes in Nemasys® G.

- Best – apply before/during/after rain
- Avoid direct sunlight during application
- Apply early morning (if immediate irrigation is available) or late afternoon/evening

### Application

Goal is to get the nematodes to the target pest.

- Use Nemasys G immediately after mixing
- Continuous agitation of spray solution is critical: Apply nematode solutions within two hours if using mechanical circulation and within four hours if using air circulation
- Apply when soil temperature are 12°C (54°F) – 30°C (86°F) at application and at least two weeks after the application
- Never mix fertilizers or pesticides with Nemasys G in spray solution unless approved on compatibility chart.

### Water

Ensure home owner is aware of watering requirements.

- Ensure soil is moist prior application
- Keep soil moist for two weeks after application
- Irrigate with at least 3 mm (1/8 inch) of water immediately to move nematodes off leaves and into the soil
- Irrigation after application must occur within 30 minutes of application (hot, dry conditions) to two hours after (cool, wet conditions)

(Continued)

## Precautions

This product contains living organisms that require special handling and application procedures.

- This product will not control the adult or egg stage of targeted insects.
- **DO NOT SUBDIVIDE.** Once opened, use the entire tray immediately.
- Use cool water for mixing.
- **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 crop at the appropriate rate.

Read and follow all label instructions thoroughly before applying Nemasys G.

## Pest Identification & Recommended Rates



### European Chafer

---

<b>Light infestation (BPS rate B)</b>	One tray treats 500 square meters (5,400 square feet)
---	--

---

<b>Heavy infestation (BPS rate A)</b>	One tray treats 300 square meters (3,600 square feet)
---	--

---



### Japanese Beetle

---

<b>Light infestation (BPS rate C)</b>	One tray treats 1,000 square meters (10,800 square feet)
---	---

---

<b>Heavy infestation (BPS rate B)</b>	One tray treats 500 square meters (5,400 square feet)
---	--

---



### Oriental Beetle

---

<b>Light infestation (BPS rate C)</b>	One tray treats 1,000 square meters (10,800 square feet)
---	---

---

<b>Heavy infestation (BPS rate B)</b>	One tray treats 500 square meters (5,400 square feet)
---	--

---

Photo Credits: Japanese Beetle photo courtesy of Clemson University - USDA Cooperative Extension Slide Series, Bugwood.org.

Oriental Beetle photo courtesy of Mike Reding & Betsy Anderson, USDA Agricultural Research Service, Bugwood.org.

Raster pictures courtesy of Howard Russell, Michigan State University

## Directions for Use

### Boom Sprayer Application

1. Remove all filters
2. 600 to 1,200 liters per hectare (65 to 130 gallon/acre) of spray solution
3. Partially fill tank with cool water – Start agitation (do not shut off until application completed)
4. Pre-mix Nemasys® G in bucket (minimum water 1 liter per tray)
5. Rinse bucket into tank and add additional water as required
6. Apply to target site

### Backpack Sprayer (BPS) Application

1. Create stock solution by mixing one tray in 11.4 liters (3 gallons) of water
2. Agitate stock solution and dilute as follows:
  - BPS rate A: add 3.76 liters (127 oz.) of stock solution to tank
  - BPS rate B: Add 2.5 liters (85 oz.) of stock solution to tank
  - BPS rate C: Add 1.25 liters (42 oz.) of stock solution to tank
3. Fill tank with water bringing it to the 11.4 liter (3 gallons) level
4. Apply to 111.5 square meters (1,200 square feet)
5. Repeat with rest of stock solution

Always read and follow label directions.

Nemasys is a registered trademark of BASF. © 2013 BASF Corporation. All rights reserved.

**Nemasys® G**  
Beneficial Nematodes