



GreenSolutionsUpdate

Best Management Practices for Nematode Control with Indemnify®

How to Sample for Nematodes

- Nematode populations fluctuate month to month and follow root growth dynamics
- Best time to sample is late spring-early summer and fall
- Goal is to determine average population density of each nematode species
 - Using a soil sampling probe, take 20-30 cores no more than 3-4" deep or 1-2" deep if roots are shallow
 - Sample using a zig-zag pattern across an area (Fig. 1)
 - Do not collect samples from severely damaged areas (Fig. 2)
 - If damage is suspected, take samples from the healthy perimeter of damaged areas and take additional separate samples from healthy areas on the same green or other healthy greens
- Handle with care to keep cores intact and combine in a labeled zip-lock plastic bag to maintain necessary moisture
- Avoid extreme temperatures (sunlight/heat) and promptly place the samples in an air conditioned room or refrigerator, but do not freeze
- Send to diagnostic lab using next-day delivery
- Ship early in the week to avoid weekend or holiday delays

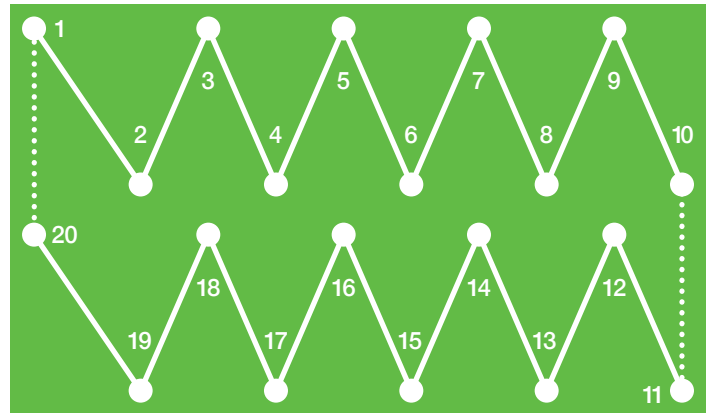


Figure 1: How to sample for nematodes using a zig-zag pattern on an area showing no damage.
Figure: Derek Settle, Bayer

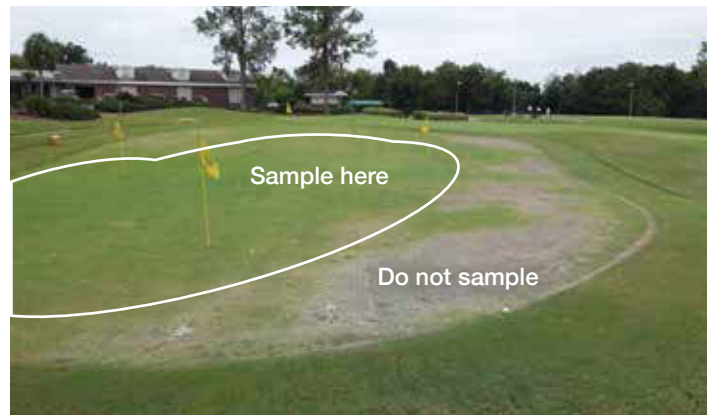


Figure 1: How to sample for nematodes using a zig-zag pattern on an area showing no damage.
Figure: Derek Settle, Bayer

Indemnify Application Information

- Make 2-4 applications of Indemnify (see table)
- A minimum of 2 gallons of spray volume/1,000 sq ft is recommended
- Repeat applications should be spaced 14-28 days apart
- Avoid applications prior to heavy rainfall
- Soil wetting agents or soil surfactants are not required
- No need to aerify prior to application
- Controls without need of additional fungicide, however can be mixed as agronomic need dictates

Water-in Recommendations

- Lightly water-in within 24 hours of application with 1/8" or less
- After application, limit full irrigation cycle for 48 hours to ensure control in the upper profile

Indemnify Application Programs - Southern US and Transition Zone

For Areas Outside of Florida and South Texas			
LEVEL OF EXPECTATION ¹	SPRING ² (0.39 FL OZ PER 1,000 SQ FT)	FALL ³ (0.39 FL OZ PER 1,000 SQ FT)	SCENARIO
GOOD	1 application	1 application	• Lower nematode counts
BETTER	2 applications	1 application	• Adequate starting turf quality
BEST	2 applications	2 applications	• Consistent pressure and damage

Florida and South Texas			
LEVEL OF EXPECTATION ¹	SPRING ² (0.39 FL OZ PER 1,000 SQ FT)	FALL ³ (0.39 FL OZ PER 1,000 SQ FT)	SCENARIO
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¹Curative control of nematodes with Indemnify allows only spot applications on 10,000 sq ft/acre/year.

²In the spring, begin the first application of Indemnify when the soil temperature reaches 55-60 degrees (5-day average soil temperature at a 2" depth). This is the same temperature model used for the first preventive fairy ring application.

³In the fall, use September to October for Indemnify timing (2 applications to be made prior to November and/or the first frost). Consult your local area sales manager for specific timing for your region.

Commonly Asked Questions About Indemnify

QUESTION	ANSWER
Restricted use pesticide?	No
Soil surfactant needed in the tank-mix?	No
Additional fungicide needed in tank-mix?	No
A.I. movement in soil allows good contact with nematodes?	Yes
Requires less than 1/8" for watering in?	Yes
A.I. is photostable, so can wait 24 hours to water in?	Yes
Long half-life of A.I. provides extended control up to 6 months?	Yes
Controls both sting and root knot nematodes?	Yes

