



# Indemnify®

## Green Solutions

### Update

### // Questions and Answers About Lance Nematodes

#### *Key Takeaways*

// Turf nematode experts agree that no nematicide available today effectively controls lance nematodes.

// Data support suppression or feeding cessation of lance nematodes is possible after an Indemnify® application, and as a result of using Indemnify, turf quality may improve despite the presence of lance nematodes.

#### *Is there any evidence to support that Indemnify® shows suppression of lance nematodes?*

Yes, suppression or feeding cessation is possible and has been seen with on-course use. However, Bayer did not add lance or spiral nematodes to the label due to inconsistent or inconclusive results during development and commercial use.

#### *Is there turf quality improvement despite inconsistent effects of Indemnify on lance numbers?*

Yes, because Indemnify is effective on most other nematode species, particularly sting and root-knot. Because Indemnify controls nematodes, enhanced root health (i.e. length, function) and improved turf quality is possible even if lance nematodes are present.

#### *Can lance nematode numbers increase when treated with Indemnify?*

Nematode counts vary within greens, between greens, across sample timings, and between different nematode species. Research shows that Indemnify controls the major nematode species which helps provide healthier plants and root systems. With this increased rooting and increased plant health, turf can sustain higher populations of lance nematodes, typically without damaging effects. Indemnify has shown significant improvements in root health which typically yields improvement in turf quality as well.

#### *Competitors have claimed that Indemnify does not control lance nematodes and that their product does, what should I do?*

Turf nematicide experts agree that no non-fumigant nematicide available today effectively controls lance nematodes. Indemnify provides a broad spectrum of nematode control and improved turf quality superior to that of any other nematicide.

#### *What product should I use to control lance nematodes with a mixed nematode population?*

When making control decisions for nematodes, Bayer recommends sampling your soil and making an informed decision based on the greatest need for your course. When selecting a nematicide, Bayer recommends approaching this decision much like selecting a fungicide. Select the product that will provide control of the most destructive pest that poses the greatest risk and simultaneously has efficacy on the most other pests. Factors to consider when selecting include spectrum, longevity, number of applications, pre- and post-water requirements, REI intervals, signal words, applicator safety as well as others pertinent to your course.

#### *What program does Bayer recommend to achieve optimal root health?*

Abiotic turf stresses may hinder root growth, and these could include concentrated traffic stress, mechanical wear from mowers/rollers, poor drainage or low mowing, localized dry spot, or extreme temperatures. Minimize these stresses and ensure that the turf receives proper soil cultivation (core aeration, venting, dethatching) to provide optimal drainage and oxygen exchange. Apply Indemnify to reduce root damage caused by nematodes in the fall and/or spring. In addition, apply preventative fungicide treatments to control root-infecting diseases such as Pythium rot, spring dead spot, take-all root rot, and summer patch.

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