



# Advanced Nematode and Disease Defense For Ornamental Crops

Designed for high-value ornamental crops, Trefinti® nematicide/fungicide will systemically control key species of plant-parasitic nematodes and certain disease-causing pathogens that can damage plant roots and foliage, leading to decreased plant health. Trefinti is powered by TYMIRIUM® technology, a novel active ingredient in FRAC Group 7 and IRAC Group N-3.

## FEATURES AND BENEFITS

- A new systemic solution for prevention and control of **foliar and root-feeding nematodes** for the ornamental market.
- Following drench applications, Trefinti is absorbed by the roots and translocated throughout the upper canopy, providing control of foliar nematodes and listed diseases, including ***Fusarium* spp.**, Powdery Mildew and others.
- Improves root and plant health so crops are **more resilient to biotic and abiotic stress**.

## DISEASES CONTROLLED

Trefinti should be applied preventively prior to symptoms to provide high-level root-to-leaf protection against many diseases, including:

- *Alternaria* spp.
- *Sclerotinia* spp.
- *Cercospora* spp.
- Powdery mildew
- *Corynespora* spp.
- Rose black spot
- Botrytis (foliar suppression)
- *Septoria* spp.
- *Fusarium* spp. (root & crown rot and foliar blight)

## NEMATODE PROTECTION

Plant-parasitic nematodes encompass many different genera and include both root and foliar feeding pests. Root feeding nematodes primarily live in soil and feed on the roots of woody and herbaceous ornamentals through a retractable, piercing stylet. Some nematodes stay outside the root and use this stylet to puncture cells inside the root (ring, stubby root and sting), while other nematodes enter the root and feed at many sites (lesion) or stay in one feeding site (cyst and root-knot).

Nematodes are an often-overlooked pest that can cause significant damage to plant roots and foliage. Recognizing injury from these microscopic roundworms can be difficult to identify, as above-ground symptoms often resemble disease and other stresses.

Root feeding nematodes can cause several problems including:

- Galling, stunting and severe deformation of plant roots
- Impaired root systems that limit/impede water and nutrient absorption resulting in plants that are off color with low vigor
- Nematode mechanical damage creates entry points for pathogens

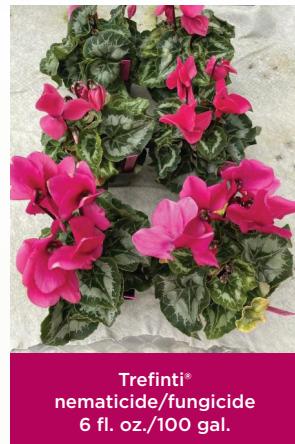
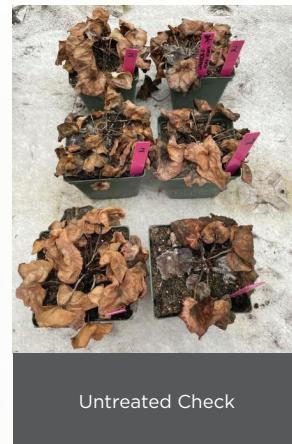
Foliar nematodes mostly live and feed in leaves and buds, but can also live in plant parts under the soil and reinfest plants by migrating up stems and into leaves via films of water. They can also survive in dry tissue, remaining dormant until rehydrated. Since feeding by these nematodes is limited by the veins, foliar damage will appear as necrotic, angular spots or streaks depending upon the venation of the plant. Foliar nematodes occur in more than 100 plant families, most often in herbaceous perennials.

Routine scouting should include examination of the foliage, as well as soil and root sampling in problem areas, with samples sent to a diagnostic lab to identify nematode species and population densities. Plants and areas of the greenhouse/nursery determined to be at risk can be treated preventatively with Trefinti nematicide/fungicide for control of nematodes.



Source: Root-knot nematode galls on Pentas, Nancy Rechcigl, 2025

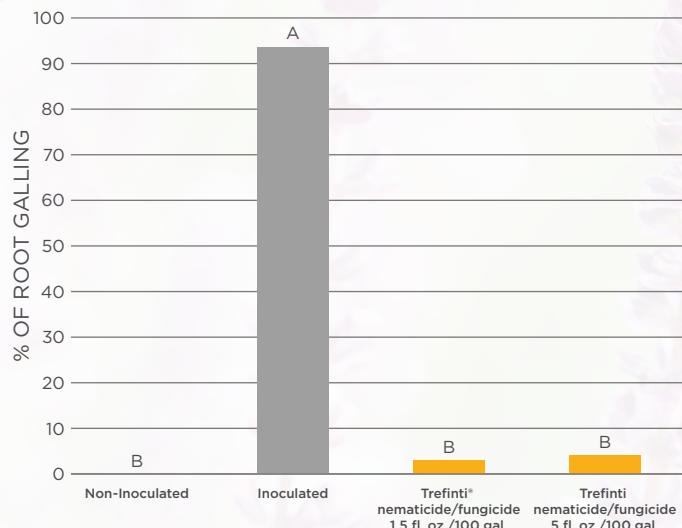
## Fusarium Control in 'Halios HD Neon Rose' Cyclamen



Trefinti®  
nematicide/fungicide  
6 fl. oz./100 gal.

Source: USVBOF1152024 - Syngenta, Baggio, FL, 2024, Cyclamen cv. 'Halios HD Neon Rose.'

## Root-knot Nematode Galling in 'Wizard Golden' Coleus



Source: USVBON1062023 - Syngenta, Baggio, FL, 2023, Coleus cv. 'Wizard Golden.'

For more information about Trefinti nematicide/fungicide, including use rates, visit [GreenCastOnline.com/TrefintiNematicide](https://GreenCastOnline.com/TrefintiNematicide)



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 **Trefinti®**  
Nematicide/Fungicide

 **syngenta**

Performance assessments are based upon results or analysis of public information, field observations and/or internal Syngenta evaluations.

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