

# Get to the root of parasitic nematodes

**Divanem® nematicide** delivers excellent turf quality through proven, broad-spectrum nematode control. It controls **sting, root-knot, lance, spiral and *Anguina* nematodes** on golf course tees, greens and fairways. The innovative formulation targets nematodes where they are most active to enhance turf quality, improve drought tolerance and lead to quicker recovery from stress.

In addition to a broadcast rate of 12.2 fl. oz./A, Divanem features a spot treatment rate of 12.2 fl. oz./10,000 ft.<sup>2</sup>, which provides comprehensive nematode control and significantly improves turf quality.

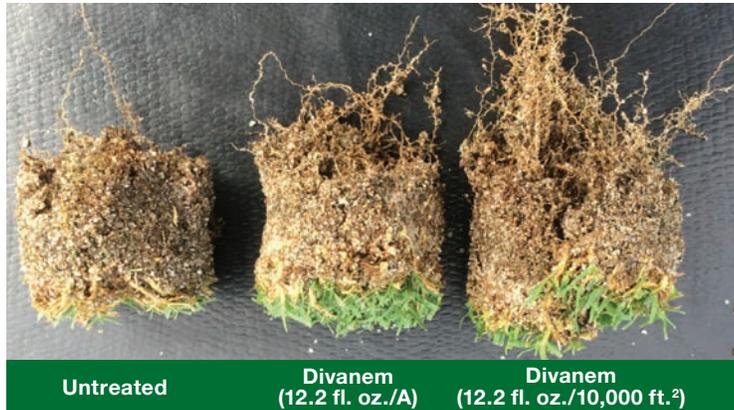
Join the conversation on Twitter using **#Time4Divanem** and **#NematodeKnowledge**.

 **Divanem®**  
Nematicide

**syngenta®**

## Proven performance

Divanem delivers broad-spectrum control of the most damaging nematode species – sting, root-knot, lance, spiral and *Anguina*. Divanem provides durable, stress-tolerant turf, enhances root growth and stays where you need it most. To learn more about nematodes, including a list of local labs or extension services for testing soil samples, please visit [GreenCastOnline.com/NematodeKnowledge](http://GreenCastOnline.com/NematodeKnowledge)



Trial held on 'Tifeagle' Bermudagrass Greens at the Fort Lauderdale Country Club in Plantation, Florida. Nematodes present included sting, lance and root-knot.

Treatment applied four times on a 28-day interval (June 26, July 27, Aug. 21 and Sept. 30, 2016). Photos taken Sept. 27, 2016.

Young, 2016.



See the plots from this trial by scanning this QR code with your smartphone camera.

## Application recommendations

- Divanem features flexible, low use rates to better meet the needs of your course:
- Broadcast rate: 12.2 fl. oz./A
- Spot treatment rate<sup>1</sup>: 12.2 fl. oz./10,000 ft.<sup>2</sup>
  - Provides a rapid turf response for comprehensive nematode control
  - Significantly improves turf quality
  - Delivers more active ingredient to the root zone
  - Suppresses lance and spiral nematodes, which can increase with repeat applications of Indemnify<sup>®</sup> nematicide<sup>2</sup>

Turf should be wet prior to application, and a soil surfactant should be tank-mixed with Divanem. For best results, applications should be made during mornings when light levels are low and dew is present. If no dew is present, a short irrigation cycle should be run to moisten turf prior to application.

### Watering in

**Option 1:** Irrigate with 0.25 inches of water within one hour after application.

**Option 2:** Irrigate with 0.125 inches of water within one hour after application and another 0.125 inches of water within 24 hours.

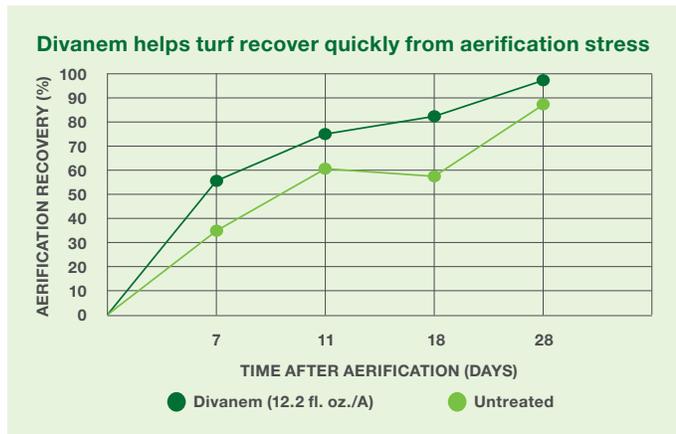
- No special equipment needed for application.
- Active ingredient stays in the critical top 3 inches of soil.
- No course closures are required during or after application. Re-entry is permitted after the spray has dried.
- Safe for use on greens, tees and fairways.
- Designed to move quickly into the soil for effective control at the source.
- The spot treatment rate is an excellent curative option for a faster turf response.

<sup>1</sup>The Divanem supplemental label must be in the possession of the user at the time of spot treatment.

<sup>2</sup>Indemnify is not currently labeled to control spiral or lance nematodes.

## Quicker recovery from stress

Divanem protects roots from nematode damage so root system quality and mass can increase drastically. Deeper, denser roots allow for healthier, stronger turf that maintains the highest quality above and below ground, allowing quicker recovery from stress, including aeration.



Treatments applied four times on 14-day intervals beginning Aug. 4, 2016. Divanem tank-mixed with a soil surfactant and watered-in immediately with 0.25 inches of irrigation. Aeration performed on Sept. 20, 2016 with 5/8-inch hollow tines on 2x2-inch centers. Young, 2016.

## Faster enhancements to turf quality

The Divanem spot treatment rate provides more concentrated nematode control near turf roots and plant tissue, resulting in improved turf quality and rapid, broad-spectrum nematode control, including *Anguina* species.



A Syngenta program with Divanem (left) applied at the spot treatment rate of 12.2 fl. oz./10,000 ft.<sup>2</sup>, versus the check (right) on Feb. 1, 2018 on *Anguina* nematode populations. Mark M. Mahady & Associates, 2018.

## Enhanced drought tolerance

Divanem moves into the soil where nematodes are most active, providing enhanced drought tolerance compared to untreated turf.

Nematode-damaged roots not only absorb less water, but are also more susceptible to disease. When combined with Heritage<sup>®</sup> Action<sup>™</sup> fungicide, Divanem can further improve turf quality, turf density, root growth and quality, while providing enhanced biotic and abiotic stress tolerance.

	ABA 0.0 gai/ha	ABA 9.4 gai/ha	ABA 18.8 gai/ha	ABA 37.5 gai/ha	ABA 75.0 gai/ha
Well-Watered					
Drought-Stressed					

Treatments applied five times on a 14-day interval prior to initiating drought stress.

37.5 and 75.0 gai/ha of *abamectin* is equivalent to 6.1 and 12.2 fl. oz./A of Divanem.

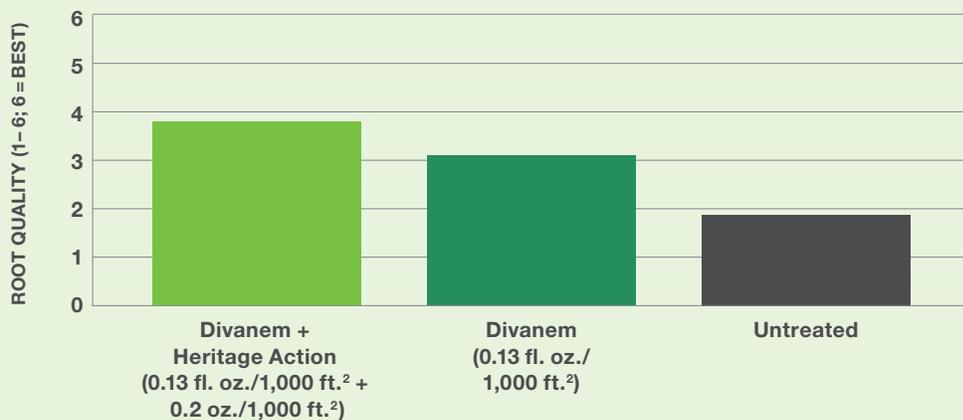
Young, 2016.

## A program approach for nematode control

Divanem is recommended for use in an agronomic program to help manage multiple nematode species and prevent the onset of resistance. Similar to a fungicide program, using Divanem in rotation with other nematicides with different modes of action will provide the most ideal results, and help manage nematodes unable to be controlled by other nematicides. Additionally, when used with fungicides like Heritage Action, Velista® or Posterity®, superintendents can help manage nematodes as well as diseases and abiotic stress.

To view our nematode control programs available, visit [GreenCastOnline.com/Programs](https://www.GreenCastOnline.com/Programs)

### Help improve root quality with Divanem + Heritage Action



"Tifdwarf" bermudagrass infested with root-knot nematodes and take-all root rot.

Treatments applied four times on 14-day intervals. Data collected 14 days after last application.

All applications mixed with a soil surfactant at 3 fl. oz./1,000 ft.<sup>2</sup> and watered-in immediately.

Crow, 2016.

For additional information and trial data, please visit

[GreenCastOnline.com/Divanem](https://www.GreenCastOnline.com/Divanem)



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

Trials reflect treatment rates commonly recommended in the marketplace.

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