



Broadest Spectrum SDHI in the Turf Market

Control and Versatility

Spring and fall are the perfect seasons to clean up your greens, tees, fairways, collars and the rough. Velista™ fungicide is the broadest spectrum SDHI for use on turf and helps control anthracnose, dollar spot, brown patch, as well as fairy ring, spring dead spot, *Rhizoctonia zeae* and more. When used in rotation with Briskway® fungicide, Velista delivers excellent control of summer stress diseases on greens when temperatures shift from warm to hot.

The active ingredient, *penthiopyrad*, is in the Fungicide Resistance Action Committee (FRAC) Group 7 (SDHI: Succinate Dehydrogenase Inhibitors). It was registered for use on turfgrass under the EPA's reduced risk pesticide program.*

Differentiating Mode of Action

Penthiopyrad controls fungal plant diseases by blocking respiration through a mode of action different from most fungicides currently on the market. By binding to the protein succinate dehydrogenase in respiratory complex II, *penthiopyrad* inhibits one critical respiratory pathway. The inhibition of respiration due to energy deprivation stops the spore germination and mycelia growth necessary for infection.

Penthiopyrad exhibits translaminar and xylem systemic movement on treated turf, and it is rainfast once the leaf surface has dried.

Penthiopyrad can be part of a comprehensive disease management program that includes rotation and/or tank-mixing with non-Group 7 fungicides, which is essential to lessen the risk of fungicide resistance.

Formulation

Velista is formulated as a water-dispersible granular (WDG). The WDG formulation allows for easy mixing and application to turf. Please read and follow all tank-mixing directions and instructions on the label.

Use Recommendations for Turfgrass Diseases

It is recommended that Velista should be alternated with fungicides from a different FRAC mode of action group.

- Provides disease control for 14-21 days.
- For light to moderate disease situations, 0.3 oz per 1,000 sq ft can be applied alone under low disease pressure, but should be tank-mixed under moderate disease pressure.
- For higher disease situations, 0.5 oz per 1,000 sq ft can be applied alone.
- Velista should not be applied at more than 0.7 oz per 1,000 sq ft per application.
- Velista should not be applied at more than 2.2 oz per 1,000 sq ft per year or 6 pounds per acre per year.

Diseases Controlled

- Anthracnose
- Brown Patch
- Dollar Spot
- Leaf Spot
- Large Patch*
- Gray Snow Mold*
- Red Thread
- Rhizoctonia zeae
- Fairy Ring 2(ee)
- Rapid Blight 2(ee)
- Brown Ring Patch 2(ee)
- Summer Patch 2(ee)
- Spring Dead Spot 2(ee)*
- Leaf and Sheath Spot 2(ee)

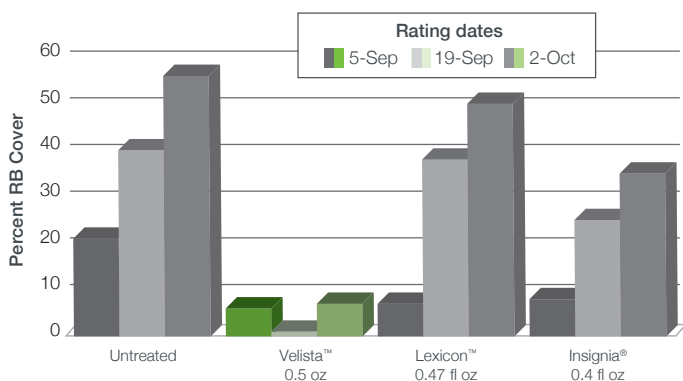
*Rate is 0.7 oz/1,000 sq ft

*A reduced-risk pesticide use is defined as one which "may reasonably be expected to accomplish one or more of the following: (1) reduces pesticide risks to human health; (2) reduces pesticide risks to non-target organisms; (3) reduces the potential for contamination of valued, environmental resources, or (4) broadens adoption of IPM or makes it more effective. Velista qualifies under one or more of the above criteria.

Performance Summary

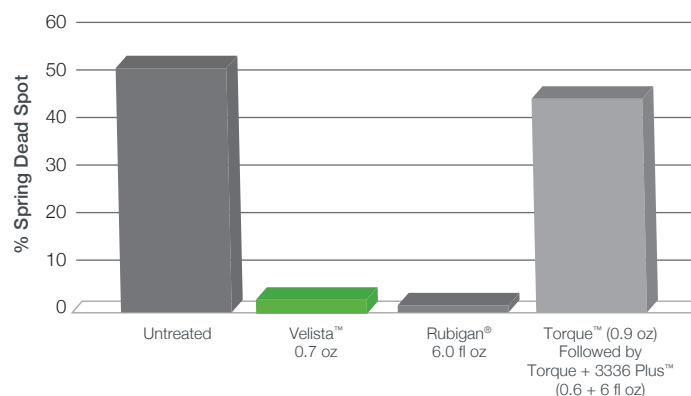
Since 2004, leading turfgrass pathologists throughout the United States have evaluated *pen thiopyrad*, the active ingredient in Velista, for turf disease control. More than 200 field trials with independent university researchers have demonstrated that Velista provides reliable control. Velista is the **broadest spectrum SDHI** for turf and the **only SDHI currently labeled for anthracnose** in the market.

Rapid Blight Control in Annual Bluegrass Greens



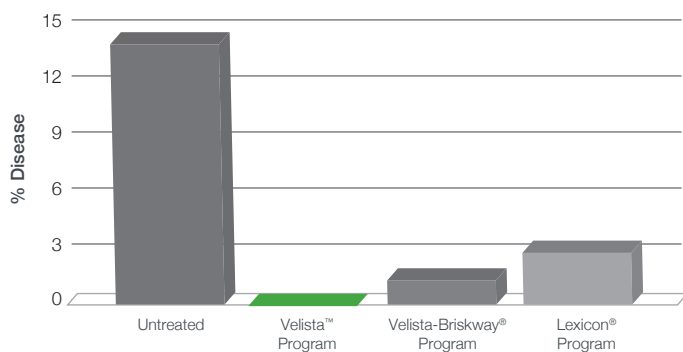
Application Dates: July 11, 25; August 7, 21; September 5, 19, 2014. Summer 2014
Baird, University of California – Riverside, Summer 2014

Spring Dead Spot Control in Bermudagrass Greens



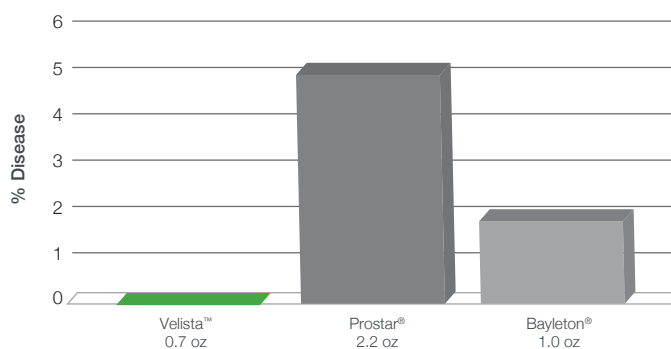
Treatments applied September 18 and October 15, 2013. Data collected May 5, 2014.
Martin, Clemson University, 2013-2014

Control of *Rhizoctonia zeae* in Ultradwarf Putting Greens



Treatments June 19 through September 11; data collected August 21, 2014
Kerns, North Carolina State University, 2014

Fairy Ring Prevention in Meyer Zoysiagrass



Treatments applied on 14-day interval beginning April 25, 2014. Data collected on June 20, 2014.
Miller, University of Missouri, 2014

To learn more about Velista, please visit GreenCastOnline.com/Velista

 #Time4Velista



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