



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 controls against anthracnose, dollar spot, brown patch 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, *penthioopyrad*, 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

Penthioopyrad 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, *penthioopyrad* inhibits one critical respiratory pathway. The inhibition of respiration due to energy deprivation stops the spore germination and mycelia growth necessary for infection.

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

Penthioopyrad 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)

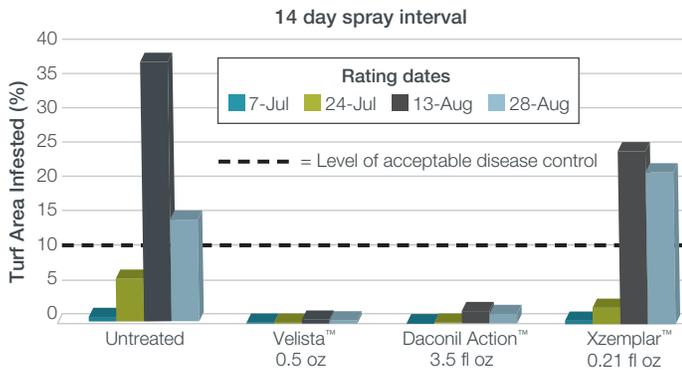
*Rate is 0.7 oz/1000 sq ft

*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

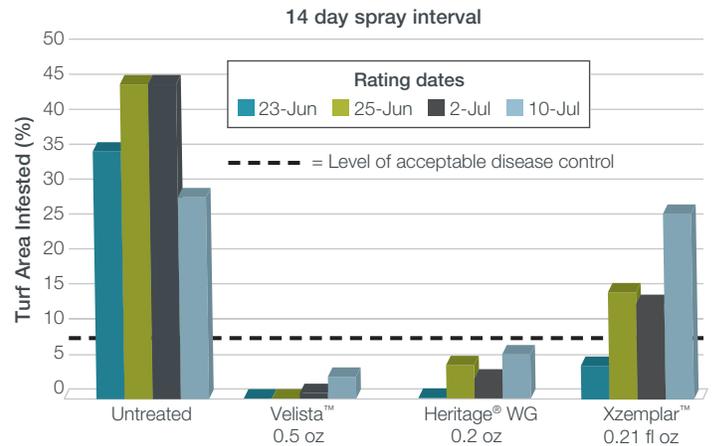
Since 2004, leading turfgrass pathologists throughout the United States have evaluated *pen thiopyrad*, the active ingredient in Velista, for turf disease control. More than 200 field trials with independent university researchers have demonstrated that Velista provides reliable control. Velista is the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

Preventive Anthracnose Trial: *Poa annua* Greens



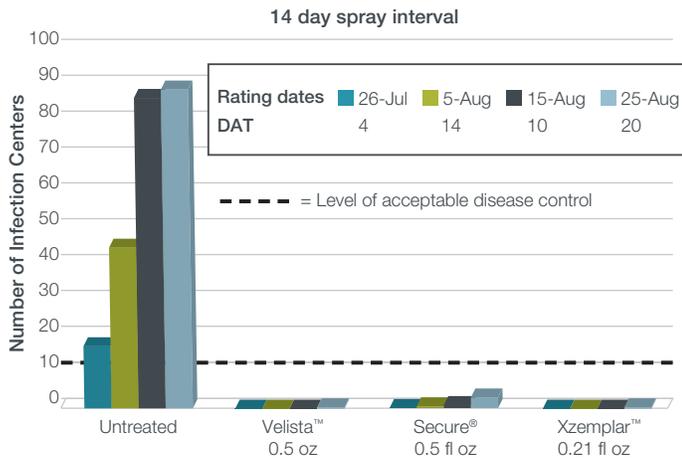
Application Dates: June 23; July 8 and 21; August 4. Summer 2014, Kaminski, Penn State University. Velista is the only SDHI currently labeled for Anthracnose. Xzemplar is not labeled for Anthracnose.

Preventive Brown Patch Trial: Colonial Bentgrass



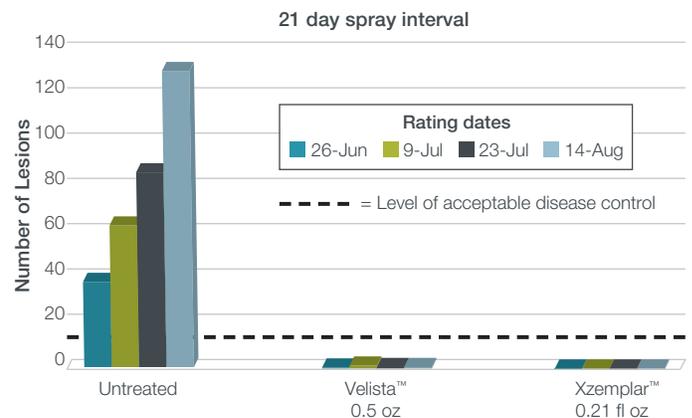
Application Dates: June 4, June 18 and July 2. Summer 2014, Purdue University.

Preventive Dollar Spot Trial: 'Shark' Creeping Bentgrass Greens



Application Dates: May 27; June 10 and 24; July 8 and 22; August 5. Summer 2014, Rutgers University. DAT = Days after treatment.

Preventive Dollar Spot Trial: Creeping Bentgrass/*Poa annua* Fairways



Application Dates: May 29; June 22; July 13; August 4. Summer 2014, Kaminski Penn State University.

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

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