Large Patch Prevention Assurance

Protect warm season fairways from Large Patch disease with a Syngenta Large Patch Prevention Assurance.

Large patch disease in turfgrass is most common in the fall and spring as warm season grasses are entering or leaving dormancy. Large patch is caused by the fungus *Rhizoctonia solani* strain AG 2-2LP. This disease can affect zoysiagrass, seashore paspalum and occasionally bermudagrass.

*Rhizoctonia solani*, while present year round in the thatch, soil, roots and rhizomes, initiates infection when day length shortens and soil temperatures drop. Conditions that favor this disease include; extended wet periods, high nitrogen levels, heavy soils, and dense thatch—disease symptoms can become severe to the point of turfgrass loss in the spring following green-up.

Introducing the Performance Assurance for Preventing Large Patch

The key to protecting your turfgrass from large patch is through preventive applications of Headway®, Heritage®, or Velista® fungicides.

- **Heritage** provides industry-leading control of *Rhizoctonia* diseases and more than 25 other turfgrass pathogens while enhancing your turfgrass health.
- **Headway** combines the power of Heritage with long-lasting protection in the soil and turfgrass crown provided by a proven DMI (Demethylation Inhibitor of sterol biosynthesis).
- **Velista**, the broadest spectrum SDHI provides excellent control of large patch and other key diseases such as dollar spot.

Here’s your assurance:

- Follow the prescribed solution on page two of this sheet for the applicable turf type on a minimum of 20 acres on an eighteen (18) hole golf course (or 10 acres on a nine (9) hole golf course).
- If your course is in one of the regions identified on page two of this sheet, and you receive less than 90% large patch control on your treated acreage as determined by Syngenta (“Breakthrough”), Syngenta will supply products (at no cost) for rescue treatment needed to control the remaining large patch in accordance with the terms herein.
- If Breakthrough occurs, it is at the Syngenta Territory Manager’s discretion as to what product is provided for rescue treatment and whether rescue treatment application is broadcast on all acreage or spot treated on effected Breakthrough areas.
- This Assurance is limited to providing you one recovery application, up to the total acres originally treated.
- Claims must be filed by May 1, 2019, with a Syngenta Territory Manager.

Warm season turfgrass varieties covered:
Zoysiagrass, bermudagrass and seashore paspalum on fairways, roughs and tees only.
Large Patch Assurance by Region
For all recommendations, apply in sufficient water to provide thorough coverage based on mowing height and turf density. Irrigate lightly (less than 0.1" of water) within 24 hours after application.

<table>
<thead>
<tr>
<th>Region</th>
<th>Option 1</th>
<th>Option 2</th>
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<tr>
<td><strong>NORTHERN TIER (IL, IN, KY, TN, VA)</strong></td>
<td>Velista 0.5 oz/1,000 ft² applied three times. Two applications in the fall, 28 day interval, beginning when soil temps are consistently below 68°F. The third application applied in the spring when turf growth resumes.</td>
<td>Headway 1.5 fl oz/1,000 ft² applied twice, 28 days apart.</td>
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<td><strong>MIDDLE TIER (AL, AR, GA, LA, MS, NC, OK, SC and North Texas only)</strong></td>
<td>Velista 0.5 oz/1,000 ft² applied three times. Two applications in the fall, 28 day interval, beginning when soil temps are consistently below 68°F. The third application applied in the spring when turf growth resumes.</td>
<td>Headway 1.5 fl oz/1,000 ft² applied three times, 28 days apart or Headway 3.0 fl oz applied twice, 28 days apart.</td>
<td>Headway 1.5 oz/1,000 ft² applied twice in the fall, 28 days apart. Velista 0.5 oz/1,000 ft² applied in the spring when turf growth resumes.</td>
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<td><strong>SOUTHERN TIER (TX South Baton Rouge, S. LA to Mobile, AL to all of Florida)</strong></td>
<td>Velista 0.5 oz/1,000 ft² applied three times. Two applications in the fall, 28 day interval, beginning when soil temps are consistently below 68°F. The third application applied in the spring when disease activity resumes.</td>
<td>Headway 2.0 fl oz/1,000 ft² applied three times, 28 days apart.</td>
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<td><strong>MIDWEST (KS, MO, and Metro East IL)</strong></td>
<td>Heritage TL 1.5 fl oz/1,000 ft² or Heritage 50WG at 0.35 oz/1,000 ft² applied twice in fall, 28 days apart.</td>
<td>Headway 2.25 fl oz/1,000 ft² applied twice in the fall, 28 days apart.</td>
<td>Heritage or Headway at rates above applied once in the fall, followed by a spring application of Velista 0.7 oz/1,000 ft².</td>
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For complete details, please see product labels.

Assurance Terms and Conditions:
The minimum application area for an eighteen (18) hole golf courses is 20 acres (or 10 acres for a nine (9) hole golf course). Qualifying Products include Headway, Heritage TL, Heritage WDG, and Velista. Purchases of qualifying products must be made between July 1, 2018 and December 31, 2018 ("Qualifying Period") from an authorized Syngenta Agent or Retailer. User must follow prescribed guidelines herein regarding application rates and timing for the user’s region in order to qualify. Lack of control of large patch must be confirmed by the Syngenta territory manager based on local University turf disease diagnostics. All claims must be filed by May 1, 2019 with a Syngenta territory manager to investigate and, if warranted, supply Syngenta product for rescue treatment. If Syngenta determines that additional treatment is needed, Syngenta will recommend and provide the appropriate product. Breakthrough is defined as less than 90% large patch control as compared to untreated areas of similar turf density, turf type, and environment. Syngenta retains the right to audit purchase records in assessing assurance claims. Syngenta will pay for products only and will not pay for the application. The fall application assurance is offered in the regions noted above in the following states only: AL, AR, FL, GA, IL, IN, KS, KY, LA, MO, MS, NC, OK, SC, TN, TX, and VA.

©2018 Syngenta. Important: Always read and follow label instructions. Some crop protection products may not be registered for sale or use in all states or counties. Please check with your local extension service to ensure registration status. Syngenta supports a FIFRA Section 2(gee) recommendation for Velista fungicide to control large patch, on all turf types. Please see the section 2(gee) recommendation to confirm that the recommendation is applicable in your state. GreenTrust™, Headway®, Heritage®, Velista®, the Alliance Frame, the Purpose icon and the Syngenta logo are trademarks of a Syngenta Group Company. Syngenta Customer Center: 1-800-SYNGENTA (796-4368).