



Solution sheet

Fairy Ring on Cool-Season Turf Golf Program – Greens, Tees, & Fairways 2019

Bayer will guarantee preventive control of fairy ring using Bayleton® FLO, Mirage® Stressgard®, Tartan® Stressgard or Prostar® 70 WG in a prescribed seasonal program through August 31, 2019. (See below for details.)

Fairy ring remains one of the more difficult turf diseases to control. It can occur at any time during the year and can be most damaging in the summer when hydrophobic layers develop and kill turf. Spring preventive applications using Bayer solutions are a key to successful fairy ring control.

Bayleton FLO, Mirage Stressgard and Tartan Stressgard are DMI fungicides that show consistent effectiveness against fairy ring when used preventively. Prostar is a basidiomycete specialist that is highly effective both preventively and curatively.

Timing for fairy ring prevention is based on university research and begins in the spring when average soil temperatures at a 2-inch depth reach the 55-60°F range for five consecutive days. Without an automatic weather station, 11 a.m. is the best time to estimate average daily soil temperature.

Satisfaction Guarantee

The preventive Bayer Fairy Ring Program protects turf with three applications prior to summer, with the first two applications 28 days apart and the third application 56 days after the second application. You will have confidence in your fairy ring control from spring through the end of August 2019. If your Bayer Fairy Ring Program performance expectations are not met, just contact your Bayer Distributor or Bayer Area Sales Manager. Any disease breakthrough by fairy ring that meets the program guidelines will be addressed with Prostar to affected areas.

Bayer Solutions: Timings¹ and Rates (per 1,000 sq. ft.)

1st application (55-60°F soil temp.)	1.0-1.5 fl. oz. Bayleton FLO ² or 2.0 fl. oz. Tartan Stressgard
2nd application 28 days later	1.0-1.5 fl. oz. Bayleton FLO ² or 2.0 fl. oz. Tartan Stressgard or 1.0-2.0 fl. oz. Mirage Stressgard ³
3rd application 56 days later ⁴	2.2 oz. Prostar 70 WG ⁵

¹ See product labels for additional information and follow application instructions. ² Not registered in all states so please consult the label for application details and directions. ³ In New York state, do not exceed 1.0 fl oz./1000 sq ft/application or 3.0 fl oz./1,000 sq. ft./year. ⁴ Apply earlier if symptoms begin to develop before the 56 day application interval. ⁵ Check specific label for use in NY state and specifically not for use in Nassau and Suffolk counties of Long Island, use 1.0 oz/1000 sq. ft. Mirage instead.

Choosing The Right DMI Solution For Fairy Ring

Solution	Includes Stressgard Formulation Technology	Best For Control of Additional Diseases Including ⁶
Bayleton FLO	No	dollar spot, summer patch
Tartan Stressgard	Yes	dollar spot, brown patch, summer patch
Mirage Stressgard	Yes	anthracnose, brown ring patch, summer patch

⁶ Bayer Solutions provide added control of these spring diseases when applied as part of a preventive fairy ring program; see product labels for the full list of diseases controlled and product use instructions.

Best Management Practices To Minimize Fairy Ring

Cultural Practices

// Core aerify, vertical mow and top-dress frequently to reduce thatch and organic matter.

// Added fertility and water may minimize symptoms.

Preventive Application Timing When Using PGRs

// Apply plant growth regulators (PGRs) separately and at least one week from DMI applications.

Spray Volume and Watering-In

// Apply products using at least 2 gallons of water volume per 1,000 square feet with flat fan nozzles.

// Whenever possible, determine where fairy ring mycelium is active in the root zone profile.

// Water-in applications with $\frac{1}{8}$ to $\frac{1}{4}$ inch of irrigation if fairy ring is in the thatch or upper mat.

// Water-in applications with $>\frac{1}{4}$ inch of irrigation if fairy ring is in the lower mat or root zone.

// Additional watering-in is needed if the fairy ring is deeper in the soil.

Use of Wetting Agents

// A wetting agent program should be used throughout the growing season as a standard practice.

// Hydrophobic soil conditions are caused by fairy ring mycelium; wetting agents should be used in a seasonal program to reduce disease symptoms.

// Tank-mixing of wetting agents with Bayleton® FLO, Tartan® Stressgard® or Mirage® Stressgard® is not recommended; apply wetting agents separately from these fungicides.

// Wetting agents can be tank-mixed with Prostar®.

Reapplication of Fungicides

// Under extreme weather conditions, such as extended heavy rains, an additional application of fungicide may be needed, but adhere to label limitations on annual use.

// Please contact your local Bayer area sales manager for recommendations for modifying the program under extreme conditions.



Light rates of nitrogen can mask minor foliar symptoms of fairy ring. Wetting agents can help maintain water infiltration in hydrophobic areas often accompanying symptoms. (Rob Golembiewski, Bayer)



A history of more aggressive fairy ring that kills turf will require preventive applications of fungicides prior to symptoms. (Zac Reicher, Bayer)



Left untreated, fairy ring can spread and kill large areas on putting greens. (Zac Reicher, Bayer)



Same green from the picture on the left taken one year later after preventive applications of fungicide were made in the spring. (Zac Reicher, Bayer)

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ALWAYS READ AND FOLLOW LABEL INSTRUCTIONS
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