

Fairy Ring Control Guide

Fairy ring is one of the most challenging diseases/maladies to control in turfgrass settings. The organisms that cause fairy ring symptoms feed on thatch and organic matter, and often live in the soil, making it difficult to reach them with typical fungicide application strategies. Controlling fairy ring effectively requires a multi-pronged approach using cultural practices, chemical fungicides, and water management strategies to address the environment, food source, symptomology (hydrophobicity), and the organism itself.

Alongside cultural practices to reduce thatch and organic matter, proper nutrition to address deficiencies is an important factor in managing or masking fairy ring symptoms. Water management is critical in reducing soil water repellency that occurs in areas where fairy ring fungi grow. Wetting agents like SurfaceRx™, Fleet®, and Symphony® are examples of effective surfactant technologies that can help improve water infiltration and distribution, and assist in effectively delivering fungicides to the target zone.

CHEMICAL CONTROL



Application timing for fairy ring begins in the spring when soil temperatures taken at 11:00 am at a 2" depth average 65–70°F on warm-season turf for five consecutive days. These applications should be watered in with 0.125" to move fungicide down to where the fungi are active. The Envu program below provides guaranteed satisfaction and if your expectations are not met, please contact your Envu Distributor or Envu Area Sales Manager.

Application	Good (Ideal for fairways)	Better (Ideal for fairways or greens)	Best (Ideal for greens)
1st app (65–70°F soil temp for warm-season greens)	Tartan® Stressgard® 2 fl oz.	Tartan Stressgard 2 fl oz.	Tartan Stressgard 2 fl oz. or Tarvecta™ 0.7 fl oz.
2nd app. (28 days later)	Densicor® 0.196 fl oz.	Kalida® 0.4 fl oz.	Resilia™ 4 fl oz.
3rd app. (28 days later)	Mirage® Stressgard® 1 fl oz.	Densicor 0.196 fl oz.	Fame® 0.36 fl oz. or Tarvecta 0.7 fl oz.
4th app. (28 days later)	Densicor 0.196 fl oz.	Kalida 0.4 fl oz.	Resilia 4 fl oz.
5th app. (28 days later)			Kalida 0.4 fl oz.

*Fame can be substituted with Castlon™, as both of those fungicides contain the active ingredient fluoxastrobin



Fairy Ring and Rhizoctonia zeae Prevention

- Initiate applications in spring when soil temperatures are consistently above 60°F and turf is actively growing (typically April).
- Apply subsequent treatments on a 28-day interval.
- All applications should be watered in immediately with at least 0.15" of irrigation.
- OPTIONAL — Where there is a history of "mini-ring" caused by Rhizoctonia zeae add Medallion® SC fungicide (2 fl oz/1000 ft²) 14 days after Applications 3 and 4.

App #	Product/ Formulation	Rate/1000 ft²	FRAC Codes
1	Briskway®	0.7 fl oz	3,11
2	Velista®	0.7 oz	7
3	Velista®	0.7 oz	7
4	Briskway®	0.7 fl oz	3,11
5	Briskway®	0.7 fl oz	3,11

Always read and follow label instructions. All products may not be registered for use in all states.

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Zone 2: Cool- and Warm-Season

Application	Timing	Product	Rate
1	28-day interval	Lexicon® Intrinsic® brand fungicide	0.47 fl oz
2	28-day interval	Xzemplar® fungicide	0.26 fl oz
3	28-day interval	Navicon® Intrinsic brand fungicide	0.85 fl oz
4	28-day interval	Lexicon Intrinsic brand fungicide	0.47 oz

Special Zone 3: Florida and Texas Only

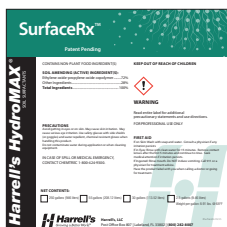
Application	Timing	Product	Rate
1	28-day interval	Lexicon Intrinsic brand fungicide	0.47 oz
2	28-day interval	Maxtima® fungicide	0.8 fl oz
3	28-day interval	Xzemplar fungicide	0.26 fl oz
4	28-day interval	Navicon® Intrinsic brand fungicide	0.85 fl oz
5	28-day interval	Lexicon Intrinsic brand fungicide	0.47 oz

Initiate first application in the spring when soil temperatures are above 55-70F and turf is actively growing. Make sequential applications on a 28-day interval in the sequence provided above. Control is guaranteed for 28 days after last application.

Program Process:

- BASF Representative to discuss program eligibility with customer.
- BASF Representative to visit golf course and check all required documentation of treatments, rates, watering, etc.
- BASF Representative to make judgement in its sole discretion whether control of fairy ring is less than 90% of the total treated acres. All judgement by the BASF Representative will be final.
- If applicable, BASF will determine the curative product to be provided.
- If applicable, golf course will receive product for curative application between five (5) and ten (10) business days after visit by BASF Representative.

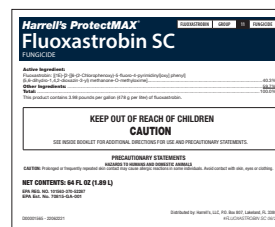
HARRELL'S RECOMMENDATIONS



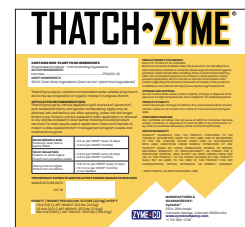
For optimal results, complement your fairy ring program with an effective, penetrating wetting agent like SurfaceRx™



Supplement your program or clean up any breakthrough fairy ring with one of the most effective SDHI chemistries for fairy ring control – ProtectMAX Flutolanil



Harrell's ProtectMAX Fluoxastrobin SC offers proven fairy ring control and covers a broad-spectrum of other important turf diseases.



Implement an effective thatch control tool alongside your cultural practices to help reduce the primary food source for fairy ring and reduce soil water repellency with programmatic applications of ThatchZyme

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