



# SNOW MOLD PROTECTION YOU CAN HANG YOUR HAT ON

**Tuque™ exoGEM™ fungicide** provides reliable snow mold control on golf course fairways and is part of the **GreenTrust® 365 Snow Mold Guarantee** program to ensure your course opens on time each spring.

Additionally, Tuque exoGEM delivers powerful control of summer diseases including anthracnose, gray leaf spot and brown ring patch. It's the first product with the advanced exoGEM formulation technology, engineered to provide greater uptake, distribution, rainfastness and retention to quickly protect turf and last through weather extremes.

 **Tuque® exoGEM™**  
Fungicide

**syngenta.**

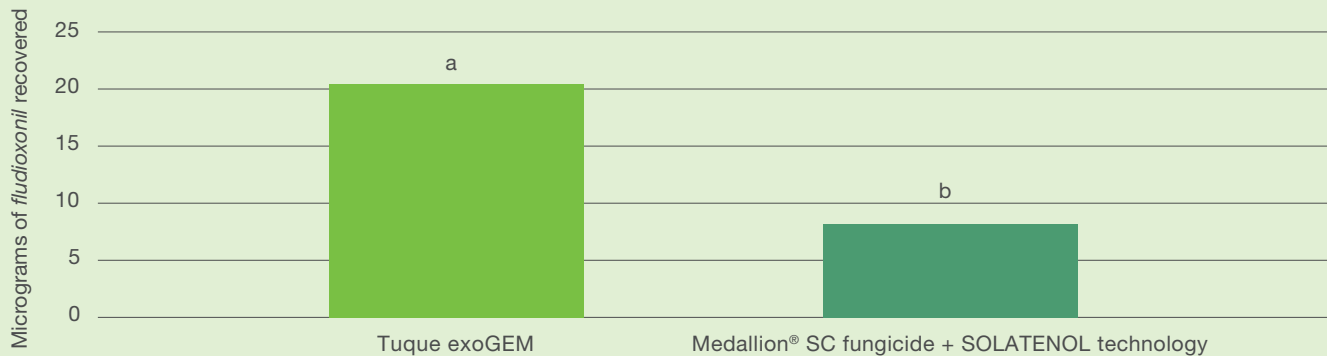
## Protect Your Turf with the Right Layers

Tuque exoGEM is powered by a combination of SOLATENOL® technology, an advanced SDHI in FRAC group 7, and *fludioxonil*, a contact fungicide with translaminar activity in FRAC group 12. These trusted active ingredients have been combined using the advanced exoGEM formulation to improve their performance and protection of turf throughout the winter.

This advanced formulation technology has been proven to:

- Notably **improve retention** of the active ingredients for longer control
- Significantly **increase the rainfastness** of the active ingredients
- **Improve the uptake and movement** of the active ingredients to quickly protect the plant against unpredictable weather conditions
- Require very **minimal energy to re-suspend**

### Retention of *Fludioxonil* with the exoGEM Formulation

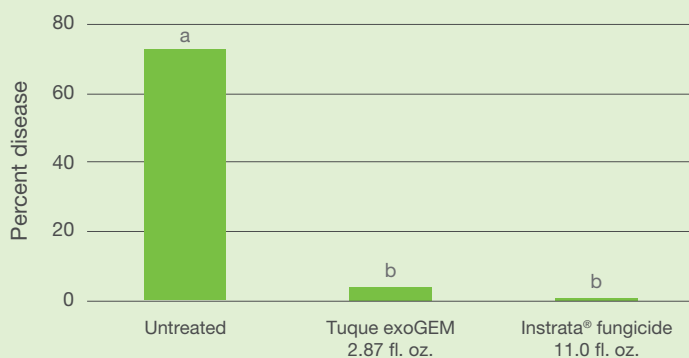


Source: Karen Meade, Dave Stafford. Jealott's Hill, UK. December 2022

## Tuque Creates a Strong Base for Snow Mold Control

Applied alone or when tank mixed with other fungicides, such as Posterity® XT, Daconil WeatherStik® or Banner Maxx® II, Tuque exoGEM provides strong snow mold protection for fairways and tees.

### Protection Against Three Species of Snow Mold in *Poa Annua* – 90 days of snow cover

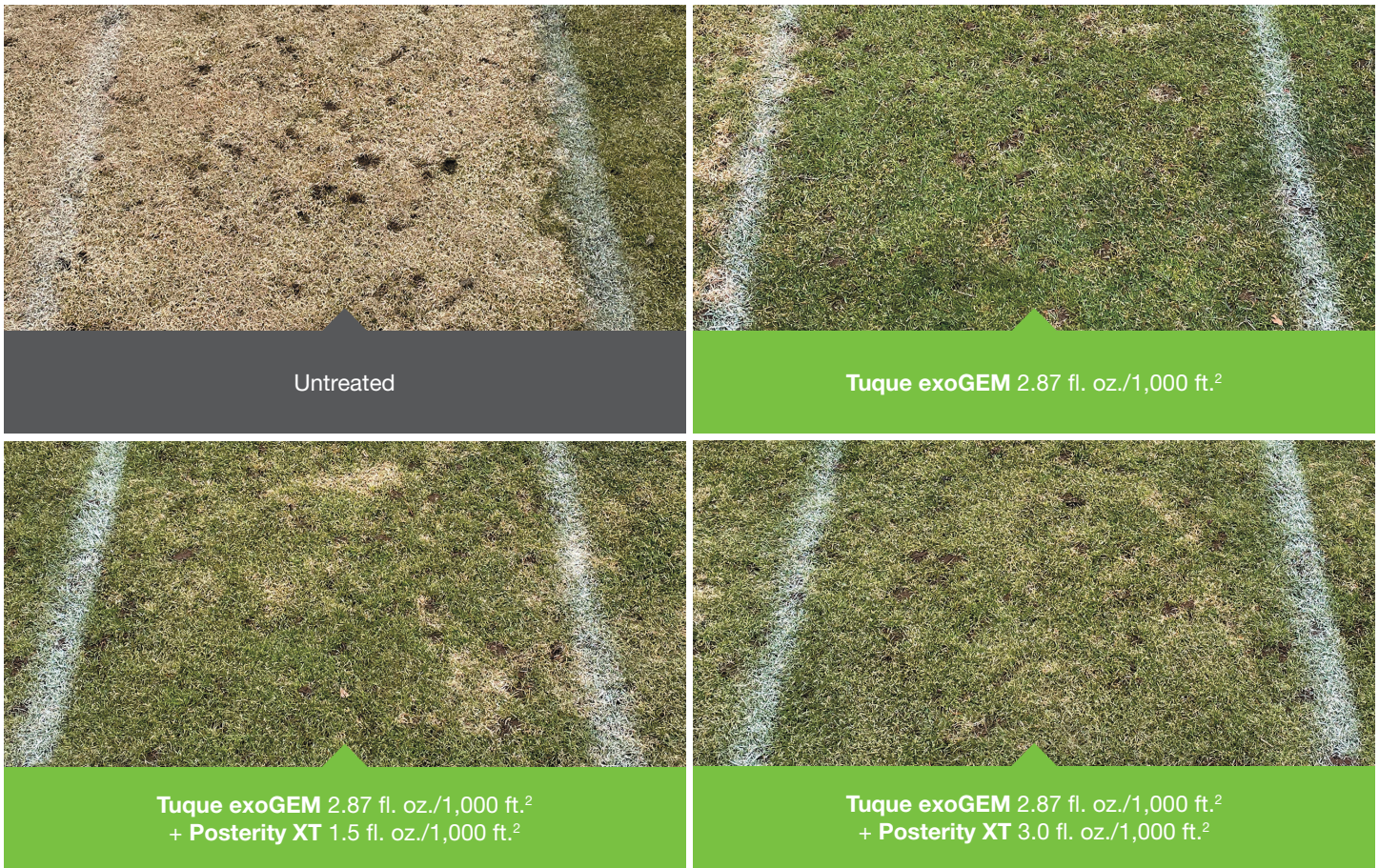


- *Monographella nivalis*, *Typhula ishikariensis* and *Typhula incarnata*
- *Agrostis stolonifera*/*Poa annua* fairway HOC
- March 18, 2021 rating; 90 days of snow cover (Dec.- March)
- Applied on Oct. 6, 2020 in 1.5 gal. water/1,000 ft.<sup>2</sup>
- The Tuque exoGEM and Instrata treatments each included PAR® SG as a tank-mix partner at 0.37 fl. oz./1,000 ft.<sup>2</sup>

Source: Dr. Paul Koch, University of Wisconsin. Trial location: Marquette, Michigan, 2020-2021



## Pink Snow Mold Protection



Untreated

Tuque exoGEM 2.87 fl. oz./1,000 ft.<sup>2</sup>

Tuque exoGEM 2.87 fl. oz./1,000 ft.<sup>2</sup>  
+ Posterity XT 1.5 fl. oz./1,000 ft.<sup>2</sup>

Tuque exoGEM 2.87 fl. oz./1,000 ft.<sup>2</sup>  
+ Posterity XT 3.0 fl. oz./1,000 ft.<sup>2</sup>

Source: Dr. Paul Koch, University of Wisconsin. Trial location: Marquette, Michigan, 120 days of snow cover, 2021-2022

## Assured Control with the GreenTrust 365 Snow Mold Guarantee

The **GreenTrust 365 Snow Mold Guarantee** takes the uncertainty out of pink and gray snow mold protection on greens, tees and fairways, helping ensure each course opens on time with the ultimate playability in the spring. Syngenta guarantees snow mold protection, or they will provide products for rescue treatment.

### Syngenta Preventive Snow Mold Recommendations

|                   |                                  |  |
|-------------------|----------------------------------|--|
| Greens + Fairways | Up to <b>130 days</b> of control | <b>Instrata</b> 9.0-11.0* fl. oz./1,000 ft. <sup>2</sup>   |
| Tees + Fairways   | Up to <b>110 days</b> of control | <b>Posterity XT</b> 3.0 fl. oz./1,000 ft. <sup>2</sup> +<br><b>Ascernity®</b> fungicide 1.0 fl. oz./1,000 ft. <sup>2</sup> |
| Tees + Fairways   | Up to <b>90 days</b> of control  | <b>Tuque exoGEM</b> 2.87 fl. oz./1,000 ft. <sup>2</sup>  |



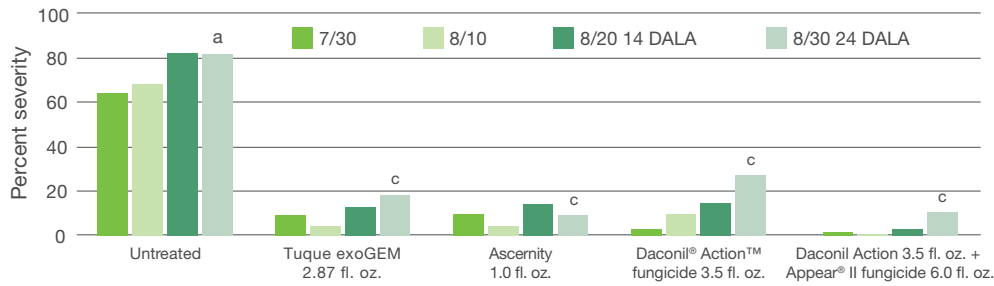
Scan the QR code to download the guarantee.

\*(2) 5.5 fl. oz. applications or (1) 11 fl. oz. application

## Broad-spectrum Disease Control for Summer Uses

In addition to snow mold protection, Tuque exoGEM also protects against in-season turf diseases including anthracnose, leaf spots, brown ring patch and more. Plus, the unique mode of action of *fludioxonil* helps mitigate the development of fungicide resistance.

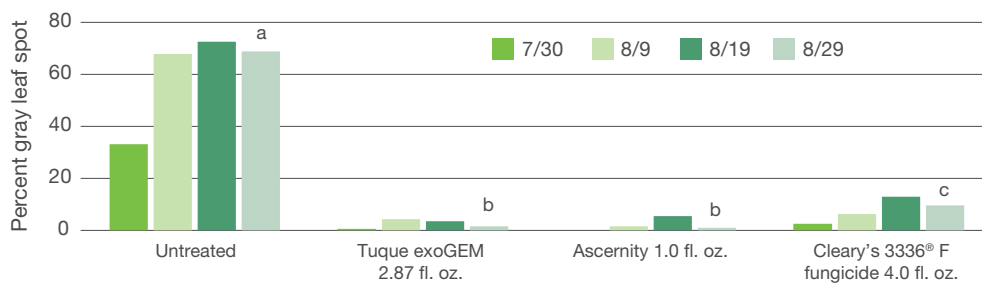
### Anthracnose Control in *Poa Annua*



- Severity of anthracnose on *Poa annua* greens
- Applied on May 14, May 28, June 11, June 25, July 9, July 23 and Aug. 6
- Means separated by Tukey's HSD  $p = 0.05$

Source: Dr. Bruce Clarke, Rutgers, 2021. DALA = Days after last application

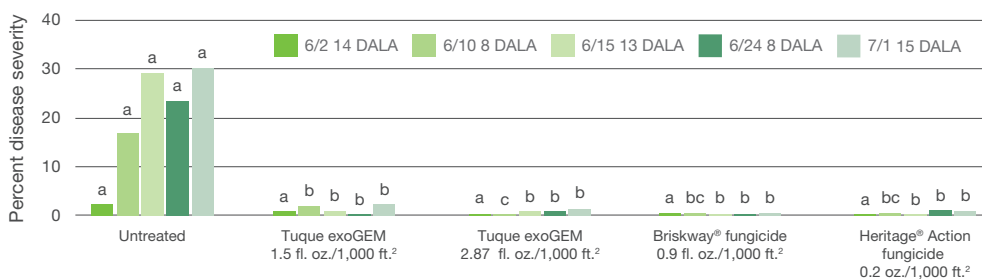
### Gray Leaf Spot Control in 'Evening Shade' Perennial Ryegrass



- 3" HOC
- Seeded June 15, 2021
- Applied on July 8, July 22, Aug. 5, Aug. 19 and Sept. 2
- Means separated by Tukey's HSD  $p = 0.05$

Source: Dr. Bruce Clarke, Rutgers, 2021

### Brown Ring Patch Control in *Poa Annua*



- Annual bluegrass 0.13"
- Applied on April 21, May 5, May 19, June 2 and June 16
- Rates in gai/ha and (fl.) oz./1,000 ft.<sup>2</sup>

Source: Adam Van Dyke, Professional Turfgrass Solutions, Utah, 2020. DALA = Days after last application



Scan the QR code or visit [GreenCastOnline.com/TuqueExoGEM](https://GreenCastOnline.com/TuqueExoGEM) to view additional trial data and learn more.



@SyngentaTurf #Time4TuqueExoGEM

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Performance assessments are based upon results or analysis of public information, field observations and/or internal Syngenta evaluations. Trials reflect treatment rates and mixing partners commonly recommended in the marketplace.

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