

Xzemplar fungicide

technology sheet

Xzemplar® fungicide, the new standard for dollar spot control

Dollar spot is done. With **Xzemplar** fungicide, the days of spraying fairways and tees every 10 to 14 days for dollar spot are over. This best-in-class fungicide knocks down dollar spot immediately and provides one of the longest residuals in the industry — up to 28 days.

Xzemplar fungicide delivers both preventive and curative properties to ensure dollar-spot-free fairways, tees and greens. The go-to solution for superintendents around the country, **Xzemplar** fungicide has set a new standard for control of one of the toughest turf diseases.

Active ingredient

Fluxapyroxad – 300g/L

Fungicide class

SDHI or Succinate-Dehydrogenase Inhibitors (Group 7)

Formulation

Suspension concentrate (SC)

One case contains

2 x 2.02 L
(1 bottle treats 2.4 to 3 ha)

Signal Word

Contains allergen soy

For use on golf courses only

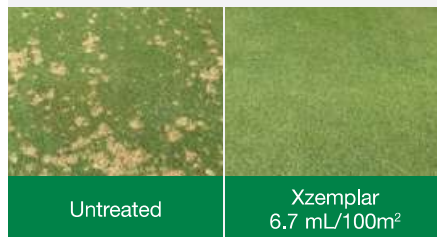
Key Features and Benefits

- Immediate knockdown
- Long residual of up to 28 days
- Preventive and curative properties
- Flexible spectrum of disease control
- Non-DMI that can be used anytime subject to label restrictions

Current Labelled Diseases Controlled With Xzemplar Fungicide

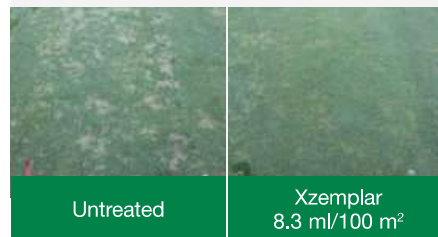
Disease	Application Interval	Rate Range (ml/100 m ²)
Dollar spot	14 – 28 days	6.7 to 8.3

Preventative Dollar-spot treatment with Xzemplar Fungicide



21 day trial with 2 applications
Source: Purdue Field Day, July 9, 2019, 23 DAT

Curative dollar spot treatment with Xzemplar fungicide



Source: University of Connecticut, September 3, 2013, 4 DAT

Xzemplar[®]
Fungicide

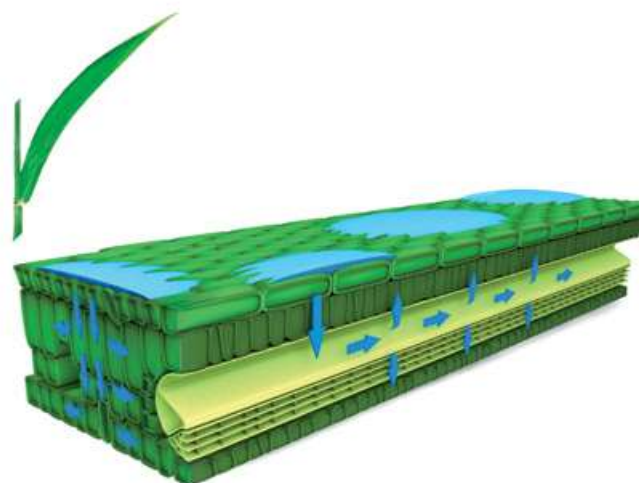
BASF
We create chemistry

One active ingredient. Two key benefits.

Most fungicides on the market provide either quick knockdown or long residual activity. **Xzemplar** fungicide provides both. This rare combination is the result of its novel active ingredient fluxapyroxad — the latest in carboxamide technology.

right:

Fluxapyroxad travels systemically within turfgrass leaves, distributing powerful, long-lasting disease control.



Continuous redistribution in the plant

The unique chemistry inside Xzemplar fungicide powers its ability to deliver preventive and curative properties. In addition to being tightly bound to the waxy leaf surface, making it rainfast, fluxapyroxad is redistributed to areas of the leaf that are not directly sprayed. Its unique molecular design lets it enter the transpiration stream and travel systemically within the leaf.

This redistribution, along with its high level of activity, ensures long-lasting preventive and curative effects from fluxapyroxad, resulting in reliable, more consistent disease control.

The cornerstone of your dollar spot program

The most effective way to control dollar spot is to stay ahead of it. With **Xzemplar** fungicide as the cornerstone of your spray program, coupled with other BASF fungicides, you're equipped with one of the industry's strongest lines of defense against dollar spot. Just seven critical applications of BASF fungicides will help protect your turf from dollar spot.

Start early. Treat your fairways with one application of **Cadence**[®] fungicide in the late spring and alternate with **Maxtima**[®] fungicide for exceptional safe-on-turf dollar spot control. Finish strong with **Cadence** in the fall to help maintain championship conditions your players will enjoy all season.

Cool-season 28-Day Fairway Program

App #	Product	Timing	Rate/ 100m ²	Disease Target	Application Volume
1	Cadence fungicide	April 15	5.6 g	Dollar spot	5-10L/1,000 100 m ²
2	Maxtima fungicide	May 15	6.25 mL	Dollar spot	5-10L/1,000 100 m ²
3	Xzemplar fungicide	June 15	8.3 mL	Dollar spot	5-10L/1,000 100 m ²
4	Honor [®] Intrinsic [®] fungicide	July 15	35 g	Dollar spot, anthracnose, Patch Disease, fairy ring	5-10L/1,000 100 m ²
5	Maxtima fungicide	August 15	12.5 mL	Dollar spot, Anthracnose, Take-All Patch	5-10L/1,000 100 m ²
6	Xzemplar fungicide	September 15	8.3 ml	Dollar spot	5-10L/1,000 100 m ²
7	Cadence fungicide	October 15	5.6 g	Dollar spot	5-10L/1,000 100 m ²

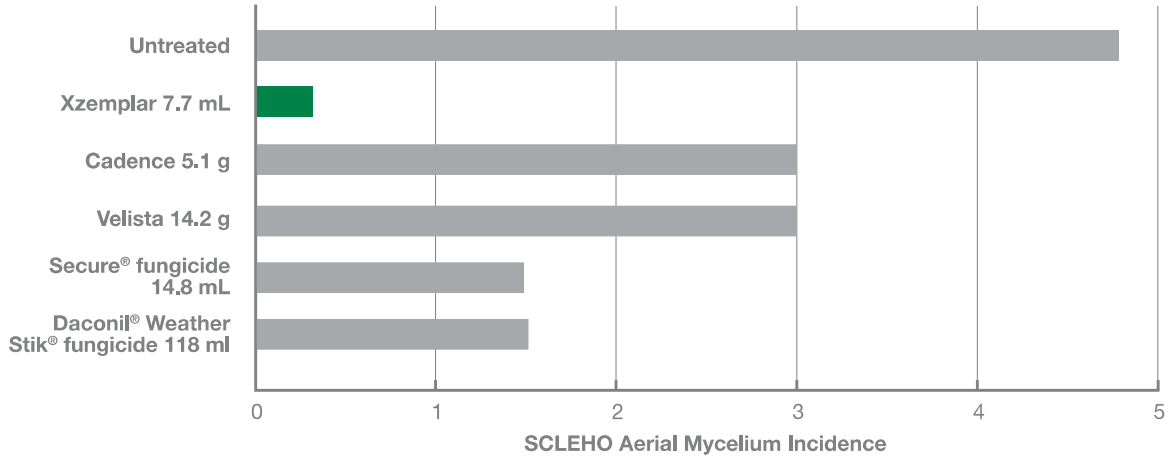
Start date to be determined by making first application when soil temperatures are 10°C and turf has been mowed a minimum of three times. For improved fairy ring control, apply a soil wetting agent 1-2 weeks prior to beginning fungicide applications.

*Apply **Xzemplar** fungicide in a program alternating or tank mixing with other registered fungicides that have a different mode of action. Follow **Xzemplar** fungicide label instructions on sequential use specific to target pathogens and other Group 7 products.*

Cool-season turf disease control with **Xzemplar** fungicide

Research from key universities has demonstrated the effectiveness of **Xzemplar** fungicide in controlling dollar spot.

Curative Dollar Spot Control*

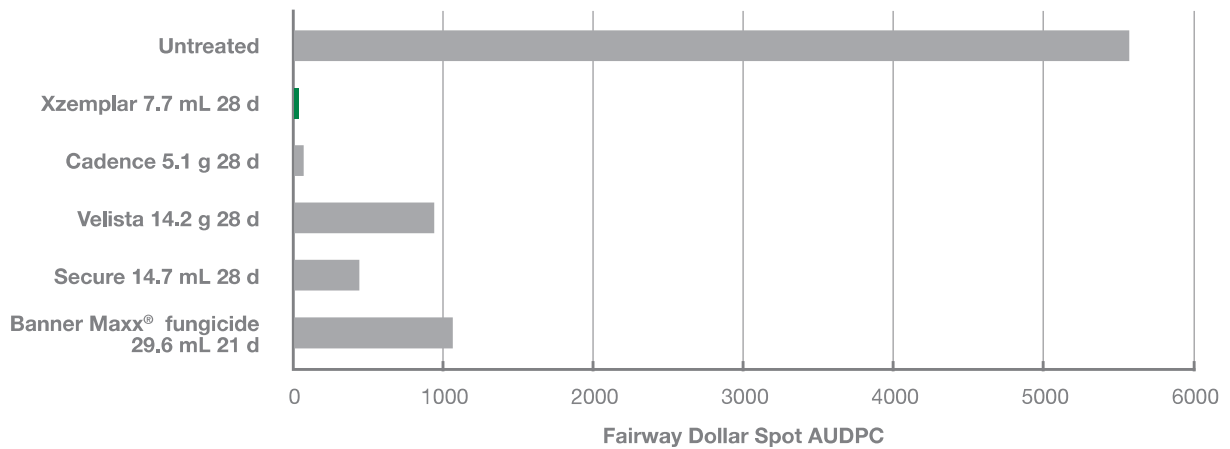


Note: Observations 4 days after treatment on March 3, 2013

Source: John Inguagiato, Ph.D., University of Connecticut, 2013

* All treatment units are per 100 m²

Preventative Dollar Spot Control



Source: Joseph Roberts, Getaneh Acheneff, Joseph Doherty and Cody Beckley, University of Maryland Turfgrass Pathology, 2016