

2014-5312 & 2014-5313  
2015-02-20

GROUP	<b>3</b>	FUNGICIDE
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**PREMIS® 200 F  
FUNGICIDE**

For the control or suppression of anthracnose, brown patch, dollar spot, gray snow mold, pink snow mold, fusarium patch, red thread, rust, and algae on established golf course turf only.

**SUSPENSION**

**COMMERCIAL**

**GUARANTEE:** Triticonazole.....200 g/L

Contains 1,2 benzisothiazolin-3-one at 0.03% as a preservative

**REGISTRATION NO.** 28387

**PEST CONTROL PRODUCTS ACT**

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY  
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT  
1-800-454-2673**

**WARNING - EYE AND SKIN IRRITANT**

**READ THE LABEL AND BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN**

**NET CONTENTS:** 3.2 L

BASF Canada Inc.  
100 Milverton Drive  
5th Floor  
Mississauga, Ontario  
L5R 4H1  
1-877-371-2273

PREMIS is a registered trademark of BASF Agro Trademarks GmbH, used with permission by BASF Canada Inc.

## PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Causes eye irritation. **DO NOT** get in eyes. May irritate the skin. Avoid contact with skin.
3. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, and shoes plus socks during mixing and loading, application, clean-up and repair. During mixing and loading, wear goggles or face shield in addition to the PPE specified above.
4. Wash hands and exposed skin thoroughly after handling the concentrate and after each application, clean-up and repair.
5. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
6. AVOID WORKING IN SPRAY MIST.
7. **DO NOT re-enter turf until residues have dried.**

## FIRST AID

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

## TOXICOLOGICAL INFORMATION

The patient should be treated symptomatically.

## **STORAGE**

Store the product in the original container. Store the product in an area that is out of reach of children and animals, away from food, feedstuffs, fertilizers and seed.

## **DISPOSAL**

**DO NOT** reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
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For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

## **NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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## DIRECTIONS FOR USE

**APPLICATION ON ESTABLISHED GOLF COURSE TURF:** PREMIS 200 F Fungicide is formulated for use on established golf course turf. PREMIS 200 F Fungicide is effective as a preventative spray. Ensure that the area to be treated is covered uniformly. Apply the required amount of PREMIS 200 F Fungicide in 6 to 8.0 litres of water per 100 m<sup>2</sup>. When treating golf greens, always treat aprons and fairway approaches.

DO NOT APPLY BY AIR.

Disease (Pathogen)	Use Rate (mL/100 sq. m.)	Application Interval (days)	Comments
<b>Gray Snow Mold</b> ( <i>Typhula incarnata</i> , <i>T. ishikariensis</i> )	32	21	Apply PREMIS 200 F Fungicide once in late fall or early winter before snow fall for <b>control</b> of gray snow mold. Apply PREMIS 200 F Fungicide at 21 day interval in late fall or early winter before snow fall when conditions favour heavy disease pressure or if there is prior history of the disease. To increase control of gray snow mold, mix PREMIS 200 F Fungicide with 375 mL/100 m <sup>2</sup> of ROVRAL GREEN and apply once in late fall or early winter before snow fall.
<b>Fusarium Patch and Pink Snow Mold</b> ( <i>Microdochium nivale</i> )	32	21	Apply PREMIS 200 F Fungicide in fall or early winter for <b>suppression</b> of fusarium patch. If disease persists, apply again on 21-day interval. For <b>control</b> of fusarium patch, mix PREMIS 200 F Fungicide with 185 mL/100 m <sup>2</sup> of ROVRAL GREEN. For <b>control</b> of pink snow mold, mix PREMIS 200 F Fungicide with 250 mL/100 m <sup>2</sup> of ROVRAL GREEN. If high disease pressure is anticipated in the spring, apply fungicide twice before snow fall with 21 days interval.
<b>Anthracnose</b> ( <i>Colletotrichum graminicola</i> )	16 – 32	14 – 21*	Apply PREMIS 200 F Fungicide at the first sign of anthracnose and/or when environmental conditions are favourable for disease development. Use the higher rate when anthracnose pressure is high.
<b>Brown Patch</b> ( <i>Rhizoctonia solani</i> )	32	14 – 21*	Apply PREMIS 200 F Fungicide at the first sign of brown patch when environmental conditions are favourable for disease development. Repeat application every 14 days when brown patch disease conditions exist.
<b>Dollar Spot</b> ( <i>Sclerotinia homeocarpa</i> )	16	14 - 21	Apply PREMIS 200 F Fungicide at the first sign of dollar spot or when environmental conditions are favourable for dollar spot development. Repeat application every 14-21 days to maintain control.
<b>Red thread</b> ( <i>Laetisaria fuciformis</i> )	16 – 32	14 – 28**	Apply when conditions are favourable for disease development when night temperatures are 15.6°C to 21.1°C and in periods of higher rainfall. <b>Under preventive applications where light disease</b>

Disease (Pathogen)	Use Rate (mL/100 sq. m.)	Application Interval (days)	Comments
			<b>pressure is anticipated</b> , use the lower rate and longer interval. <b>Under severe disease conditions</b> , use the higher rate and shorter interval.
Rust ( <i>Puccinia spp.</i> )	16 – 32	14 – 28**	Apply when conditions are favourable for disease development. <b>Under preventive applications where light disease pressure is anticipated</b> , use the lower rate and longer interval. <b>Under severe disease conditions</b> , use the higher rate and shorter interval.
Additional Turfgrass Uses Suppression of Algae	16 – 32	14 – 28**	<b>For algae suppression, repeat applications using lower rate for preventive applications. Under severe pest pressure or adverse weather that might be conducive to algae growth, use the higher rate.</b>
<p>Use <b>PREMIS 200 F Fungicide</b> in a rotational spray program with other different mode of action fungicides to reduce the possibility of disease resistance.</p> <p>Three applications maximum per season.</p> <p>*Under low disease conditions the spray interval may be increased up to a maximum of 21 days.</p> <p>**Under low disease conditions the spray interval may be increased up to a maximum of 28 days.</p>			

## **BUFFER ZONES**

The buffer zones specified in the table below are required between the downwind point of direct application and the closest edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, pastures, rangelands, and shrublands), sensitive aquatic habitats (such as lakes, rivers, sloughs, ponds, coulees, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands), and estuarine/marine habitats. Self-contained bodies of water within the golf course property (e.g., ponds with no inflow or outflow of water) do not require buffer zones.

<b>Method of application</b>	<b>Buffer zone (metres)</b>
Field sprayer	15
Field sprayer with cones	10
Field sprayer with shrouds	5

## **ENVIRONMENTAL HAZARDS**

TOXIC to aquatic organisms and off-target plants. Observe buffer zones specified under DIRECTIONS FOR USE.

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

## RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that Premis 200 F Fungicide contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to Premis 200 F Fungicide and other Group 3 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

- Where possible, rotate the use of Premis 200 F Fungicide or other Group 3 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group that is effective on the target pathogen when such use is permitted.
- Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease threshold, as well as cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development. Notify BASF Canada Inc. if reduced sensitivity of the pathogen to Premis 200 F Fungicide is suspected.

If disease continues to progress after treatment with this product, DO NOT increase the use rate. Discontinue use of this product, and switch to another fungicide with a different site of action, if available.

- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and or IPM recommendations for specific crops and pathogens.

For further information and to report suspected resistance, contact a BASF representative or BASF Canada Inc. at 1-877-371-2273.

## MIXING

1. Ensure the spray tank is clean before use. Follow the clean-out recommendations stated on the label of the product that was previously used.
2. Fill the spray tank one-half full of water.
3. Add **PREMIS 200 F Fungicide** and agitate well.
4. Add the required amount of the tank mix partner.
5. Add the remainder of the water while continuing to agitate.



6. Ensure mixing is complete and agitate thoroughly before each application and continue to agitate during spraying. A prepared spray mixture should be used as soon as possible in the same day.
7. After use, clean the spray tank according to PRECAUTIONS.

## **RESTRICTIONS AND LIMITATIONS**

1. **DO NOT** store **PREMIS 200 F Fungicide** near foodstuffs.
2. Thoroughly clean application equipment after each use.
3. **DO NOT** contaminate irrigation and drinking water supplies, and aquatic habitat by cleaning of equipment or disposal of wastes.
4. **DO NOT** apply beyond the course boundary.
5. **DO NOT** apply during periods of dead calm or when winds are gusty.
6. **DO NOT** apply more than 3 applications per season.
7. A minimum interval of 14 days is required between applications.

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