

[CONTAINER LABEL]

GROUP	<b>7, 11</b>	FUNGICIDE
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# **EXTERIS STRESSGARD**

FUNGICIDE

SUSPENSION

For control or suppression of turfgrass diseases on golf courses and sod farms

COMMERCIAL

REGISTRATION NUMBER: 32206  
PEST CONTROL PRODUCTS ACT

ACTIVE INGREDIENT:

Fluopyram.....12.5 g/L  
Trifloxystrobin.....12.5 g/L

Contains 1,2-benzisothiazolin-3-one at 0.018% as a preservative or  
Contains 1,2 benzisothiazolin-3-one at 0.018% and 5-chloro-2-methyl-4-isothiazolin-3-one at  
0.0017% and 2-methyl-4-isothiazolin-3-one at 0.00056% as preservatives.

READ THE LABEL AND BROCHURE BEFORE USING

KEEP OUT OF REACH OF CHILDREN  
POTENTIAL SKIN SENSITIZER

NET CONTENTS: 1 L - Bulk

Bayer CropScience Inc.  
Suite 200, 160 Quarry Park Blvd. S.E.  
CALGARY, ALBERTA  
T2C 3G3  
[www.cropscience.bayer.ca](http://www.cropscience.bayer.ca)

Product information: 1-888-283-6847.

In case of spills, poisoning or fire, call telephone emergency response number 1-800-334-7577  
(24 hours a day).

**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.

**PRECAUTIONS:**

**KEEP OUT OF REACH OF CHILDREN.** Avoid contact with the skin, eyes or clothing. Potential skin sensitizer. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. If product comes in contact with clothing, remove all contaminated clothing, wash skin with soap and water and dress in clean clothing. Launder applicator clothing separate from other laundry.

Do not use in residential areas. Residential areas are defined as any use site where bystanders including children could be exposed during or after application. This includes homes, schools, parks, playgrounds, playing fields, public buildings, or any other areas where the general public including children could be exposed.

Apply only when the potential for drift to areas of human habitation or areas of human activity (excluding golf courses) such as houses, cottages, schools and recreation areas including parks, school grounds, and playing fields is minimal, taking into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

**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 in eyes: Hold eye open and rinse slowly and gently with water for 15 to 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.

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.

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

**TOXICOLOGICAL INFORMATION:**

Treat symptomatically. Medical Personnel should contact Bayer's Medical Information Services, Toll-Free: 1-800-334-7577.

**ENVIRONMENTAL PRECAUTIONS:**

**TOXIC** to birds and small wild mammals. **TOXIC** to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under **DIRECTIONS FOR USE**.

Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site such as hedgerows and woodland.

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.

This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of EXTERIS STRESSGARD in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

**STORAGE:**

Do not contaminate water, food, or feed by storage or disposal. Do not store below freezing. If stored for 1 year or longer, shake well before using. Store the tightly closed container away from feeds, seeds, fertilizer, plants and foodstuffs. Do not use or store in or around the home. Keep the product in the original container during storage. To prevent contamination store this product away from food or feed. In case of fire, leaking or damaged containers, call toll free 1-800-334-7577.

**DISPOSAL:**

Recyclable Container 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.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Disposal of Unused, Unwanted Product:

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 cleanup of spills.

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(24 hours a day).

**NOTICE TO USER:**

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**GENERAL INFORMATION****THE PRODUCT:**

EXTERIS STRESSGARD is a broad spectrum systemic fungicide with preventative and curative properties recommended for the control or suppression of certain turf diseases.

**PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN. Avoid contact with the skin, eyes or clothing. Potential skin sensitizer . Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. If product comes in contact with clothing, remove all contaminated clothing, wash skin with soap and water and dress in clean clothing. Launder applicator clothing separate from other laundry.

**PROTECTIVE CLOTHING AND EQUIPMENT:**

During mixing, loading, application, clean-up and repair activities, workers must wear long sleeved shirt and long pants, shoes plus socks, and chemical-resistant gloves.

**RE-ENTRY RESTRICTION:**

Golf Courses: DO NOT enter, or allow worker entry until spray has dried.

Sod Farms: DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Do not use in residential areas. Residential areas are defined as any use site where bystanders including children could be exposed during or after application. This includes homes, schools, parks, playgrounds, playing fields, public buildings, or any other areas where the general public including children could be exposed.

Apply only when the potential for drift to areas of human habitation or areas of human activity (excluding golf courses) such as houses, cottages, schools and recreation areas including parks, school grounds, and playing fields is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

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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.

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

**TOXICOLOGICAL INFORMATION:**

Treat symptomatically. Medical Personnel should contact Bayer's Medical Information Services, Toll-Free: 1-800-334-7577.

**ENVIRONMENTAL PRECAUTIONS:**

TOXIC to birds and small wild mammals. TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site such as hedgerows and woodland.

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the high water mark. Do not contaminate water when disposing of equipment washwaters. This chemical has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

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.

This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of EXTERIS STRESSGARD in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

**STORAGE:**

Do not contaminate water, food, or feed by storage or disposal. Do not store below freezing. If stored for 1 year or longer, shake well before using. Store the tightly closed container away from feeds, seeds, fertilizer, plants and foodstuffs. Do not use or store in or around the home. Keep the product in the original container during storage. To prevent contamination store this product away from food or feed.

In case of fire, leaking or damaged containers, call toll free 1-800-334-7577.

**DISPOSAL:**

#### Recyclable Container Disposal:

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2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

#### Disposal of Unused, Unwanted Product:

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 cleanup of spills.

#### Disposal of Unused Spray Solution:

If any spray solution remains in the tank after spraying is finished, it should be sprayed on the perimeter of the area just sprayed, away from water supplies, ditches, and irrigation canals.

### **DIRECTIONS FOR USE**

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.

**DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

#### **APPLICATIONS FOR TURF DISEASES CONTROL:**

Thorough coverage of all plant parts to be protected is essential for good disease control. Use sufficient water volume and spray pressure to provide thorough and uniform coverage for optimum disease control.

Apply EXTERIS STRESSGARD in 6 to 8 L of water per 100 m<sup>2</sup> to ensure thorough coverage

#### **APPLICATION PRECAUTIONS:**

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

**DO NOT** apply by air. **DO NOT** apply this product through any type of irrigation system.

When applied as directed, EXTERIS STRESSGARD will control the listed diseases unless otherwise indicated as suppression. Begin applications when conditions favor disease development or when the disease first appears unless otherwise noted.

Target Disease	Rate of Product mL/100 m <sup>2</sup>	Application Interval (Days)	Instructions
Dollar Spot ( <i>Sclerotinia homeocarpa</i> )	140-200	14-28	<p>Apply EXTERIS STRESSGARD at the first sign of dollar spot symptoms or preventatively when stressful environmental conditions (extended periods of dew &gt;8hrs at temperatures between 13C-27C) favour dollar spot development. Under severe disease pressure use the higher rate and shortest interval.</p> <p>EXTERIS STRESSGARD is intended to broaden the disease spectrum. EXTERIS STRESSGARD should be used to control Dollar Spot on golf course and concurrently prevent Brown Patch and Leaf Spot diseases. If not treating for Dollar Spot, use Compass 50 WG or other fungicides registered for the targeted diseases.</p>
Brown Patch ( <i>Rhizoctonia solani</i> )	140- 200	14-21	<p>Apply EXTERIS STRESSGARD at the first sign of brown patch symptoms or preventatively when stressful environmental conditions (surface moisture and humidity is greater than 80%, night time temperatures &gt;20°C) favour disease development. Under severe disease pressure use the higher rate and shortest interval.</p>
Leaf Spot ( <i>Bipolaris spp., Drechslera spp.</i> )	140-200	14-21	<p>Apply EXTERIS STRESSGARD at the first sign of leaf spot symptoms or preventatively when stressful environmental conditions favour disease development. Under severe disease pressure use the higher rate and shortest interval.</p>
Anthrachnose foliar blight (suppression) ( <i>Colletotrichum cereale</i> )	140	14-21	<p>Apply EXTERIS STRESSGARD preventatively when stressful environmental conditions favour anthracnose disease development. Under high disease pressure, use the shortest interval.</p>



Anthracnose foliar blight and basal rot (control) ( <i>Colletotrichum cereale</i> )	200	14-21	Apply EXTERIS STRESSGARD preventatively when stressful environmental conditions favour anthracnose disease development. For basal rot control and/or under severe disease pressure, use the shortest interval.
Use a minimum of 600 L/ha (6 L/100m <sup>2</sup> ) spray solution to a maximum of 800 L/ha (8 L/100m <sup>2</sup> ). Do not exceed a total of 40L/ha (400ml/100m <sup>2</sup> ) product per year. Under severe disease conditions, use the higher rate and/or shorter interval of applications for all diseases. When disease pressure is light to moderate, use the lower rates and longer intervals			
For resistance management it is recommended to rotate with other fungicide products with a different mode of action. See Resistance Management Recommendations below.			

### Buffer zones

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop	Buffer Zones (metres) Required for the Protection of:				
		Freshwater Aquatic Habitat of Depths:		Marine/estuarine habitats of depths:		Terrestrial habitat
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Turf-golf courses and sod farms	5	1	1	1	1

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.”

### MIXING INSTRUCTIONS:

EXTERIS STRESSGARD must be applied with properly calibrated, clean equipment. Prior to adding EXTERIS STRESSGARD to the spray tank, ensure that the spray tank is thoroughly clean:

- Add one-half of the required amount of water to the spray or mixing tank and start agitation.
- Add the required quantity of EXTERIS STRESSGARD to the water and complete filling with water to the required total volume.
- Maintain agitation throughout mixing and spraying.

**RESISTANCE MANAGEMENT RECOMMENDATIONS:**

For resistance management, EXTERIS STRESSGARD contains a Group 7 and a Group 11 fungicide. Any fungal population may contain individuals naturally resistant to EXTERIS STRESSGARD and other Group 7 and Group 11 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same field. 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 EXTERIS STRESSGARD or other Group 7 and Group 11 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that is effective on the target pathogen when such use is permitted.
- Avoid consecutive applications of EXTERIS STRESSGARD or other Group 7 and Group 11 fungicides in a season. Alternate applications with fungicides having a different mode of action.
- 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 thresholds, as well as and considers cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development. Notify Bayer CropScience if reduced sensitivity of the pathogen to EXTERIS STRESSGARD 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 target 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 disease problems in your area.
- For further information and to report suspected resistance, contact a Bayer CropScience representative at 1-888-283-6847 or at [www.bayercropscience.ca](http://www.bayercropscience.ca).