

# Trilogy<sup>TM</sup> STRESSGARD Fungicide

GROUP	2	3	11	FUNGICIDES
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## SUSPENSION COMMERCIAL

For control of pink and grey snow moulds, microdochium patch or fusarium patch, brown patch, dollar spot and basal rot anthracnose on golf courses and sod farms

GUARANTEE : Iprodione 29.41%  
Triticonazole 3.14%  
Trifloxystrobin 1.47%

Contains as preservative,

2-Methyl-2H-isothiazol-3-one..... 0.0125% and  
1,2-Benzisothiazol-3(2H)-one.....0.0125%

Or 1,2-Benzisothiazol-3(2H)-one.....0.1%

Or 5-Chloro-2-methyl-4-isothiazolin-3-one.....0.0017% and  
2-Methyl-4-isothiazolin-3-one.....0.00056%

REGISTRATION NUMBER 29870 PEST CONTROL PRODUCTS ACT

Net Contents: 1 L – Bulk

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

BAYER CROPSCIENCE INC.  
Suite 200, 160 Quarry Park Blvd. S.E.  
CALGARY, ALBERTA  
T2C 3G3

IN CASE OF SPILLS, POISONING OR FIRE, TELEPHONE EMERGENCY RESPONSE NUMBER 1-888-283-6847 (24 HOURS A DAY). FOR PRODUCT USE INFORMATION CALL 1-888-283-6847

**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.

## **PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN.** Wash hands and exposed skin thoroughly after handling the concentrate and after each application, clean-up and repair.

If clothing becomes contaminated, remove and wash separately from household laundry before reuse.

**AVOID WORKING IN SPRAY MIST.**

**DO NOT re-enter turf until residues have dried.**

## **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Wear 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.

## **FIRST AID**

**IF POISONING IS SUSPECTED, IMMEDIATELY** contact a physician or a poison control centre. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. 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 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.

**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.

**TOXICOLOGICAL INFORMATION** The patient should be treated symptomatically. Contains petroleum distillate; vomiting may cause aspiration pneumonia.

## **ENVIRONMENTAL HAZARDS**

**TOXIC** to fish and other aquatic organisms. **DO NOT** apply directly to aquatic habitats (such as lakes, rivers, sloughs, ponds, coulees, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands) and estuarine/marine habitats. **DO NOT** contaminate water by cleaning of equipment or disposal of wastes.

**HARMFUL TO BENEFICIAL PREDATORY OR PARASITIC ARTHROPODS.** Minimize spray drift to reduce effects on beneficial arthropods in habitat adjacent to the application site such as hedgerow and woodland.

**DO NOT** apply to areas where runoff is likely to occur. Runoff from treated areas into aquatic habitats may be hazardous to aquatic organisms. Site characteristics that may lead to runoff following heavy rainfall include, but

are not limited to: a moderate to steep slope, bare soil, poorly draining soil (e.g., soils that are compacted, fine textured, or low in organic matter). If rainfall is imminent, delay spraying.

Residues of this product demonstrate the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

The product contains aromatic petroleum distillates which are toxic to aquatic organisms.

**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. Protect from frost.

**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. 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.

Trilogy is a Trademark of Bayer



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## **PRODUCT INFORMATION**

TRILOGY StressGard is formulated for use on golf course tees, greens and fairways and on sod farms.

## **DIRECTIONS FOR USE**

### **Mixing Instructions**

DO NOT tank mix TRILOGY StressGard with any other pesticides, surfactants or fertilizers unless specified on this label.

The required amount of TRILOGY StressGard should be added slowly into the spray tank during filling. Keep agitator running when filling spray tank and during spray operations.

**Note:** Before preparing the spray solution, slowly invert the TRILOGY StressGard container several times to assure uniform mixture.

Apply TRILOGY StressGard in a minimum of 600 L/ha (6 L/100m<sup>2</sup>) of water.  
A spray volume of 800 L/ha (8 L/100 m<sup>2</sup>) of water is recommended.

TRILOGY StressGard should always be used in conjunction with good turf management practices.

For use on bentgrass species, annual bluegrass and other turfgrass species found on golf courses, sod farms.

Disease	Rate (g or mL / 100 m <sup>2</sup> )	Instructions
Control of Pink Snow Mould ( <i>Microdochium nivale</i> )  and  Grey Snow Moulds ( <i>Typhula spp.</i> )	100 mL – 177 mL	Use TRILOGY StressGard in a minimum of 600L/ha (6 L/100m <sup>2</sup> ) spray solution (800 L/ha or 8 L/100m <sup>2</sup> recommended) in late fall before permanent snow cover. In regions with a history of heavy snow mould disease pressure, use the highest labeled rate. Do not apply on top of snow or when temperature is below zero degrees Celsius
Control of Microdochium Patch, Fusarium Patch ( <i>Microdochium nivale</i> )	100 mL - 177 mL	Apply TRILOGY StressGard when conditions favour disease development (cool and wet with little or no snow cover for prolonged periods <14°C). In coastal regions under high disease pressure use highest rate and shortest interval. Apply on a 21 or 28 day spray interval. Apply the required amount of TRILOGY StressGard fungicide in 6-10L of water per 100m <sup>2</sup> . Maximum of 2 applications during Microdochium Patch infection period.
Control of Brown Patch ( <i>Rhizoctonia solani</i> )	65 mL	Apply TRILOGY StressGard at the first sign of Brown Patch symptoms or preventatively when stressful environmental conditions occur (surface moisture and humidity is greater than 80%, night time temperatures >20°C) Apply on a 14-21 day spray interval. Apply the required amount of TRILOGY StressGard fungicide in 6-10L of water per 100m <sup>2</sup> . Maximum of 3 applications during Brown Patch infection period.
Control of Dollar Spot ( <i>Sclerotinia homeocarpa</i> )	65 mL	For use on bentgrass species, annual bluegrass and other turfgrass species found on golf courses, sod farms  Use a minimum of 610 L/ha spray solution (800L/ha recommended)  Application interval for Dollar spot is 21 days. Maximum of 3 applications during dollar spot infection period.
Control of Basal Rot Anthracnose ( <i>Colletotrichum</i> )	65 mL	Apply TRILOGY StressGard at the first sign of anthracnose disease break out or apply preventatively when stressful environmental conditions (cool and wet conditions or hot and humid conditions) favour anthracnose disease.  Application interval for Basal Rot Anthracnose is 14 days. Maximum of 3 applications during basal rot anthracnose infection period. Use a minimum of 610 L/ha spray solution (800 L/ha recommended)  For resistance management it is recommended to rotate with other fungicide products with a different mode of action after one application for anthracnose or after two sequential applications for other diseases. See Resistance Management Recommendations below.

## DO NOT APPLY BY AIR

**DO NOT** apply during periods of dead calm or when winds are gusty. **DO NOT** overspray non-target terrestrial or aquatic habitats. **DO NOT** contaminate aquatic habitats when cleaning and rinsing spray equipment or containers.

**DO NOT** apply when wind speed is greater than 16 km/hr at the application site as measured outside of the treatment area on the upwind side.

### 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 **DO NOT** require buffer zones (e.g., ponds with no inflow or outflow of water).

Method of application	Buffer zone (metres) required for the protection of:		
	Terrestrial habitat	Freshwater habitat	Estuarine / marine habitat
Field sprayer (without the use of shrouds and cones)	0	18	14
Field sprayer (with the use of shrouds)	0	6	5
Field sprayer (with the use of cones)	0	13	10

### Restrictions

1. If environmental conditions consist of heavy rains and/or growth of turfgrass resumes after the final snow mould application and no snow cover occurs for 3 weeks or more, the active ingredients in TRILOGY StressGard could dissipate to levels not adequate enough to provide snow mould protection for the full winter on golf course turf. Under these adverse conditions a re-application of TRILOGY StressGard at the labelled rate of 100 - 177 ml/100m<sup>2</sup> is recommended. **DO NOT** apply more than a total 354 ml/100m<sup>2</sup> of TRILOGY StressGard in a single year for snow mould and microdochium patch control.
2. **DO NOT** apply to turf cut higher than 2.5 cm on golf holes where water bodies are present.
3. **DO NOT** mow or irrigate treated areas until the foliage is completely dry, usually a 24-hour waiting period following treatment is preferred.
4. This product is not to be used around homes or other residential areas such as parks, school grounds, playing fields. It is not for use by homeowners or other unlicensed users.
5. Do not apply this product in a way that will contact workers or other persons or pets either directly or thorough drift. Only protected handlers (see 'Personal Protective Equipment' above) may be in the area during application.
6. **DO NOT** use, pour, spill, or store product near heat or open flame.
7. **DO NOT** apply TRILOGY StressGard through any type of irrigation system.
8. **DO NOT** apply TRILOGY StressGard in combination with organosilicate surfactants or crop injury may occur.
9. **DO NOT** use TRILOGY StressGard for disease control in vegetables grown in greenhouses for crop production or in the production of vegetable transplants for outdoor use.
10. **DO NOT** apply this product directly to aquatic habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches, and wetlands), estuaries, or marine Habitats

### Resistance Management Recommendations

For resistance management, TRILOGY StressGard contains a Group 2, Group 3 and Group 11 Fungicide. Any fungal population may contain individuals naturally resistant to TRILOGY StressGard and other Group 2, Group 3 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 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:

Adhere to the label instructions regarding the use of TRILOGY StressGard, as stated in the Directions for use section,

Where possible, rotate the use of TRILOGY StressGard which contains a Group 2, Group 3 and Group 11 fungicide with different fungicide groups that control the same pathogens. The use of strobilurin-containing pre-mix applications such as TRILOGY StressGard must be no more than ½ of the total number of fungicide application per season.

Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices. Monitor treated fungal populations for sign of resistance development. 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 or to report suspected resistance, contact Bayer CropScience Inc. at 1-888-283-6847 or via the internet at [www.bayercropscience.ca](http://www.bayercropscience.ca).

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