



GROUP 3 12 M FUNGICIDES

### INSTRATA® Fungicide

FUNGICIDE

SUSPENSION

COMMERCIAL

For use on golf courses.

**GUARANTEE:**

Chlorothalonil ..... 362 g/L  
Propiconazole ..... 57 g/L  
Fludioxonil ..... 14.5 g/L

Contains 1,2-benzisothiazolin-3-one at 0.008% as a preservative.

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

**CAUTION**



**POISON**

**WARNING: EYE AND SKIN IRRITANT  
POTENTIAL SKIN SENSITIZER**

REGISTRATION NUMBER: **28861**  
PEST CONTROL PRODUCTS ACT

**Syngenta Canada Inc.**  
140 Research Lane, Research Park  
Guelph, Ontario  
N1G 4Z3  
Telephone: 1-877-964-3682

Pamphlet

## 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.

## 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. 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 15–20 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.

## TOXICOLOGICAL INFORMATION

There is no specific antidote if this product is ingested. Treat symptomatically if ingested or in contact with eyes or skin.

## PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN.** Harmful if swallowed or inhaled. Causes moderate eye and skin irritation. May cause dermal sensitization. Do not get in eyes or on skin. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Prolonged or frequent, repeated skin contact may cause allergic reactions in some individuals.

### **Personal Protective Equipment**

Wear protective goggles or face shield, long pants, a long sleeve shirt, socks, chemical resistant footwear and chemical resistant gloves during mixing/loading, application, clean-up and repair activities. In addition, during mixing and loading wear a chemical resistant apron.

**DO NOT** store near feed or foodstuffs. Store in a cool place. Protect from excessive heat. Apply only

to areas specified on label.

**DO NOT** enter or allow entry into the treated area until INSTRATA® Fungicide is dry.

## ENVIRONMENTAL HAZARDS

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

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth of the water table is shallow.

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.

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

Fludioxonil is persistent and will carryover. It is recommended that any products containing fludioxonil not be used in areas treated with this product during the previous season.

## STORAGE

To prevent contamination store this product away from food or feed.

## DISPOSAL OF UNUSED, UNWANTED PRODUCT

For information on disposal of unused, unwanted product, or in the case of a spill or spill clean-up, contact the manufacturer or the provincial regulatory agency.

### CONTAINER DISPOSAL:

#### **For recyclable containers for commercial use:**

**DO NOT** reuse this container for any other 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 or dispose of the rinsings in accordance with provincial requirements.
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 refillable containers commercial use:**

**DO NOT** reuse this container for any other purpose. For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product.

**For returnable containers commercial use:**

**DO NOT** reuse this container for any other purpose. This empty container may be returned to the point of purchase (distributor/dealer) for disposal.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,  
CALL 1-800-327-8633 (FASTMED)***

**PRODUCT INFORMATION**

INSTRATA Fungicide is formulated for use on golf course tees, greens and fairways.

**MIXING INSTRUCTIONS**

**DO NOT** tank mix INSTRATA Fungicide with any other pesticides, surfactants or fertilizers unless specified on this label.

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

**DO NOT** apply INSTRATA Fungicide through any type of ultra low volume (ULV) spray system.

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

**DO NOT APPLY BY AIR.**

**DIRECTIONS FOR USE**

Apply INSTRATA Fungicide in a minimum of 400 - 800 L/ha of water.

INSTRATA Fungicide should always be used in conjunction with good turf management practices.

<b>TURF – Golf Course Greens and Tees</b>	
<b>DISEASES</b>	<b>Gray Snow Mould</b> ( <i>Typhula incarnata</i> , <i>T. ishikariensis</i> ) <b>Pink Snow Mould</b> ( <i>Microdochium nivale</i> )
<b>RATE (mL/100 m<sup>2</sup>)</b>	300
<b>INSTRUCTIONS</b>	Make one application in the late fall before snow cover. <b>DO NOT</b> apply on top of snow or when the temperature is below 0°C. <b>DO NOT</b> apply more than 1 application per season.
<b>TURF – Golf Course Fairways</b>	
<b>DISEASES</b>	<b>Gray Snow Mould</b> ( <i>Typhula incarnata</i> , <i>T. ishikariensis</i> ) <b>Pink Snow Mould</b> ( <i>Microdochium nivale</i> )
<b>RATE (mL/100 m<sup>2</sup>)</b>	225 - 300
<b>INSTRUCTIONS</b>	Make one application to fairways in the late fall before snow cover. Use the low rate in regions that have historical conditions of low to moderate disease pressure. Use the high rate in regions that have historical conditions of high disease pressure. <b>DO NOT</b> apply on top of snow or when the temperature is below 0°C. <b>DO NOT</b> apply more than 1 application per season.

### Restrictions

1. DO NOT apply more than 1 application per year.
2. DO NOT apply more than 300 ml/100 m<sup>2</sup> of INSTRATA Fungicide in a single application.
3. DO NOT mow or water after treatment until spray deposited on turfgrass is thoroughly dry.
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 through drift. Only protected handlers (see 'Personal Protective Equipment' above) may be in the area during application.

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

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

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) medium classification. Boom height must be 60 cm or less above the crop or ground.

**DO NOT** apply by air.

### 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 Habitats of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial Habitats
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field Sprayer <sup>1</sup>	Turf, golf courses	3	1	4	2	4

<sup>1</sup> For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zones can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

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.

### RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, INSTRATA Fungicide contains a Group 3, Group 12 and Group M Fungicide. Any fungal population may contain individuals naturally resistant to INSTRATA Fungicide and other Group 3, Group 12 and Group M 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 INSTRATA Fungicide or other Group 3, Group 12 and Group M fungicides with different groups that control the same pathogens.

Avoid application of more than the maximum number listed in the label. 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 company representatives at 1-87-SYNGENTA (1-877-964-3682) or at [www.syngenta.ca](http://www.syngenta.ca).

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