



**INSTRATA<sup>®</sup> FUSION** is a combination of separately registered products comprised of INSTRATA FUSION A, INSTRATA FUSION B and INSTRATA FUSION C.

INSTRATA<sup>®</sup> and the Syngenta wordmark are trademarks of a Syngenta Group Company.

GROUP 12 FUNGICIDE

## INSTRATA® FUSION A Fungicide

**FUNGICIDE**

**SUSPENSION**

**COMMERCIAL**

For control of fusarium patch and pink snow mould on turf.

**ACTIVE INGREDIENT:**

Fludioxonil ..... 125 g/L

Contains 1,2-benzisothiazolin-3-one at 0.037% and 2-bromo-2-nitropropane-1,3-diol at 0.036% OR 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00091%, 2-methyl-4-isothiazolin-3-one at 0.00030% and 2-bromo-2-nitropropane-1,3-diol at 0.036% as preservatives.

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

REGISTRATION NO.: **35691**  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **0.5 L – 1000 L**

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

Label

## 1.0 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.

## 2.0 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 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.

## 3.0 TOXICOLOGICAL INFORMATION

There is no specific antidote known. Treat symptomatically.

## 4.0 PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN.**

**DO NOT** enter or allow entry into treated turf areas until INSTRATA® FUSION A Fungicide is dry.

## 5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear coveralls or long sleeved shirt and long pants, chemical resistant gloves, and goggles when mixing, loading or during equipment clean up or repair. Wear coveralls or a long sleeved shirt and long pants during application. Goggles and chemical resistant gloves are not required during application.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before

removing. As soon as possible, wash thoroughly and change into clean clothing.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

All users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

## **6.0 ENVIRONMENTAL PRECAUTIONS**

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

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

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 filter strip between the treated area and the edge of the water body. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

## **7.0 STORAGE**

Store in original container in a cool, dry place. **DO NOT** use or store near heat or open flame.

**DO NOT** store this product under wet conditions. Keep container closed when not in use. Store this product away from food or feed.

## **8.0 DISPOSAL**

For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for cleanup of spills.

### **For Recyclable Containers**

**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:

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Pamphlet

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### **9.0 PRODUCT INFORMATION**

INSTRATA FUSION A Fungicide is a broad spectrum contact and protective fungicide for control of listed diseases in turf. It is a suspension concentrate formulation containing 125 g/L fludioxonil. Fludioxonil is a long lasting contact fungicide belonging to the phenyl pyrrole chemistry group that provides broad-spectrum activity against a wide range of diseases through the inhibition of fungal mycelial growth.

INSTRATA FUSION A Fungicide provides control of turf diseases when used in an integrated disease management program.

For optimum turfgrass quality and disease control, use INSTRATA FUSION A Fungicide in conjunction with turfgrass management practices that promote plant health. Before use of any fungicide, proper diagnosis of the organism causing the disease is important. Use of diagnostic kits or other means of identification of the disease is essential to determine the best control measures.

### **10.0 DIRECTIONS FOR USE**

#### **10.1 General Information**

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.

**DO NOT** apply more than 180 mL product/100 m<sup>2</sup>/year (18.0 L product/ha/year) on turfgrass.

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix

partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. at 1-87-SYNGENTA (1-877-964-3682) for information before applying any tank mix that is not specifically recommended on this label.

Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank-mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

## 10.2 Application Instructions

Field sprayer application: **DO NOT** apply when wind speed is less than 1 km/h. Avoid application of this product when winds are gusty. **DO NOT** apply with sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) S572 (572.1 to 572.3) medium classification. Boom height must be 60 cm or less above the crop or ground.

**DO NOT** apply by air.

## 10.3 Mixing Instructions

To prepare spray solution, fill half of the required water volume in the spray tank with clean water and begin agitation. Add the required amount of INSTRATA FUSION A Fungicide to the tank, allowing time for good dispersion. Finish filling the tank to the desired volume to obtain the proper spray concentration. Maintain agitation throughout the spraying operation. Do not allow spray mixture to stand overnight or for prolonged periods. Make up only the amount of spray required for immediate use. Sprayers should be calibrated before application and thoroughly cleaned immediately after application. Do not use silicone based products with INSTRATA FUSION A Fungicide due to possible phytotoxicity.

## 10.4 Spray Buffer Zones

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

The spray 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	Spray Buffer Zones (metres) Required for the Protection of:				Terrestrial habitat	
		Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:			
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m		
Field sprayer	Turf	4	1	1	1	1	

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

The spray buffer zones for this product for conventional application equipment can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Drift Mitigation portion of the Canada.ca website.

## 11.0 CROP USE DIRECTIONS

### 11.1 Turf: Golf Courses

**The following use instructions will provide control of the listed diseases.**

TURF: GOLF COURSES	
DISEASE	Fusarium patch ( <i>Microdochium nivale</i> )
PRODUCT RATE	3-6 L/ha or 30-60 mL/100 m <sup>2</sup>
APPLICATION INTERVAL	14 days
MAXIMUM APPLICATIONS OF PRODUCT PER YEAR	3
APPLICATION DIRECTIONS	<p>For use on fairways, use low rate under conditions of low to moderate disease pressure.</p> <p>For control of <i>Microdochium nivale</i> over winter (pink snow mould) high rate of 60 mL/100 m<sup>2</sup> rate is required. Refer to Pink snow mould (<i>Microdochium nivale</i>) section below for more information.</p>
DISEASE	Pink snow mould ( <i>Microdochium nivale</i> )
PRODUCT RATE	6 L/ha or 60 mL/100 m <sup>2</sup>
MAXIMUM APPLICATIONS OF PRODUCT PER YEAR	1

TURF: GOLF COURSES	
APPLICATION INSTRUCTIONS	<p>For optimum disease control tank mix INSTRATA FUSION A Fungicide with INSTRATA FUSION B Fungicide.</p> <p>Under conditions of high disease pressure consider including an additional product containing a different mode of action which is also labelled for snow mould.</p> <p>Make one application in the late fall before snow cover.</p> <p><b>DO NOT</b> apply on top of snow or when the temperature is below 0°C.</p> <p>For best control, use as a component of an integrated disease management program.</p> <p>Apply in sufficient water to ensure thorough coverage. 2-8 litres of water per 100 m<sup>2</sup> is recommended.</p> <p>Use AI, XR or Syngenta XC nozzles.</p> <p>Apply after mowing and do not mow after application.</p>

## 12.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, INSTRATA FUSION A Fungicide contains a Group 12 Fungicide. Any fungal population may contain individuals naturally resistant to INSTRATA FUSION A Fungicide and other Group 12 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.

Use tank mixtures with fungicide from a different group that is effective on the target pathogen when such use is permitted.

Where possible, make use of predictive disease models to effectively time fungicide applications.

### To delay fungicide resistance:

Where possible, rotate the use of INSTRATA FUSION A Fungicide or other Group 12 fungicide with different groups that control the same pathogens.

Do not apply more than the maximum number of applications listed in the label.

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 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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GROUP 7 FUNGICIDE

**INSTRATA® FUSION B Fungicide**  
A SOLATENOL® Brand Fungicide

**FUNGICIDE**

**EMULSIFIABLE CONCENTRATE**

**COMMERCIAL**

For control of snow mould and Anthracnose in turf.

**ACTIVE INGREDIENT:**

Benzovindiflupyr..... 100 g/L

**READ THE LABEL AND ATTACHED PAMPHLET BEFORE USING  
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**DANGER: CORROSIVE TO EYES & SKIN**

REGISTRATION NO.: **35692**  
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**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 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.

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## TOXICOLOGICAL INFORMATION

There is no specific antidote known. Treat symptomatically. Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

## PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN AND ANIMALS.** Keep unused product in original container tightly closed, locked up and away from food and feed.

**CORROSIVE** to the eye. **DO NOT** get in eyes. Causes irreversible eye damage. Severely irritating to the skin. **DO NOT** get on skin. Harmful or fatal if swallowed. Harmful if inhaled. Avoid inhaling/breathing spray.

**DO NOT** enter or allow entry into treated turf areas until INSTRATA® FUSION B Fungicide is dry.

Not for 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 area where the general public including children could be exposed.

## PERSONAL PROTECTIVE EQUIPMENT

Wear coveralls or a long sleeved shirt and long pants, chemical resistant gloves, and goggles when mixing, loading and applying or during equipment clean up or repair. Goggles and chemical resistant gloves are not required during groundboom application.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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All users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

## ENVIRONMENTAL PRECAUTIONS

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

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

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.

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## STORAGE

Keep in original container, tightly closed, during storage. Store in a cool, dry, well-ventilated area away from feed and foodstuffs, and out of the reach of children and animals. Store this product away from food or feed.

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## PERSONAL PROTECTIVE EQUIPMENT

Wear coveralls or a long sleeved shirt and long pants, chemical resistant gloves, and goggles when mixing, loading and applying or during equipment clean up or repair. Goggles and chemical resistant gloves are not required during groundboom application.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

All users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

## ENVIRONMENTAL PRECAUTIONS

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

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

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 filter strip between the treated area and the edge of the water body. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

## STORAGE

Keep in original container, tightly closed, during storage. Store in a cool, dry, well-ventilated area away from feed and foodstuffs, and out of the reach of children and animals. Store this product away from food or feed.

## DISPOSAL

For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for cleanup of spills.

### **For returnable containers:**

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

**For refillable containers:**

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. DO NOT reuse this container for any other purpose.

**For recyclable containers:**

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 or territorial requirements.

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

## **GENERAL INFORMATION**

INSTRATA FUSION B Fungicide is a broad-spectrum fungicide with preventative properties. INSTRATA FUSION B Fungicide provides disease control of snow mould and anthracnose in turfgrass.

## **DIRECTIONS FOR USE**

Use INSTRATA FUSION B Fungicide in a preventative disease control program.

**DO NOT** apply INSTRATA FUSION B Fungicide through irrigation equipment.

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.

**DO NOT** allow effluent or runoff from greenhouses or mushroom houses containing this product to enter lakes, streams, ponds or other waters.

**DO NOT** apply more than 30 mL product/100 m<sup>2</sup>/year (3 L product/ha/year) on turfgrass.

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the

same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. at 1-87-SYNGENTA (1-877-964-3682) for information before applying any tank mix that is not specifically recommended on this label.

Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank-mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

**Field sprayer application:** **DO NOT** apply when wind speed is less than 1 km/h. Avoid application of this product when winds are gusty. **DO NOT** apply with sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) S572 (572.1 to 572.3) medium classification. Boom height must be 60 cm or less above the crop or ground.

**DO NOT** apply by air.

## SPRAY BUFFER ZONES

A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label.

The spray 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	Spray Buffer Zones (metres) Required for the Protection of:				Terrestrial habitat	
		Freshwater Habitats of Depths:		Estuarine/Marine Habitats of Depths:			
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m		
Field sprayer	Turf	15	2	1	1	1	

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

The spray buffer zones for this product for conventional application equipment can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Drift Mitigation portion of the Canada.ca web site.

## MIXING INSTRUCTIONS

To prepare spray solution, fill half of the required water volume in the spray tank with clean water and begin agitation. Add the required amount of INSTRATA FUSION B Fungicide to the tank, allowing time for good dispersion. Finish filling the tank to the desired volume to obtain the proper spray concentration. Maintain agitation throughout the spraying operation. Do not allow spray mixture to stand overnight or for prolonged periods. Make up only the amount of spray required for immediate use. Sprayers should be calibrated before application and thoroughly cleaned immediately after application. Do not use silicone based products with INSTRATA FUSION B Fungicide due to possible phytotoxicity.

## DIRECTIONS FOR USE

**The following use instructions will provide control of the listed diseases.**

TURF	
<b>DISEASES</b>	Anthracnose ( <i>Colletotrichum cereale</i> )
<b>PRODUCT RATE</b>	7.5 mL/100 m <sup>2</sup> or 0.75 L/ha
<b>APPLICATION INTERVAL</b>	14 days
<b>MAXIMUM APPLICATIONS OF PRODUCT PER YEAR</b>	4
<b>APPLICATION DIRECTIONS</b>	<p>For best control, use as a component of an integrated disease management program.</p> <p>Begin applications when conditions are favourable for disease infection and prior to disease symptom expression.</p> <p>Under conditions of high disease pressure, use the highest label rate and the shortest interval.</p> <p>Apply in sufficient water to ensure thorough coverage. 4-8 liters of water per 100 m<sup>2</sup> is recommended.</p> <p>Use AI or XR nozzles.</p> <p>Apply after mowing.</p> <p>Allow sprayed area to completely dry before irrigation.</p> <p><b>DO NOT</b> apply more than two sequential applications of INSTRATA FUSION B Fungicide before alternating with a fungicide having a different mode of action registered for the same disease.</p>

<b>DISEASES</b>	<b>Pink snow mould</b> ( <i>Microdochium nivale</i> ) <b>Grey snow mould</b> ( <i>Typhula incarnata</i> , <i>T. ishikariensis</i> )
<b>PRODUCT RATE</b>	7.5 mL/100 m <sup>2</sup> or 0.75 L/ha
<b>MAXIMUM APPLICATIONS OF PRODUCT PER YEAR</b>	1
<b>APPLICATION DIRECTIONS</b>	<p>For optimum disease control tank mix INSTRATA FUSION B Fungicide with INSTRATA FUSION A Fungicide.</p> <p>Under conditions of high disease pressure consider including an additional product containing a different mode of action which is also labelled for snow mould.</p> <p>Make one application in the late fall before snow cover.</p> <p><b>DO NOT</b> apply on top of snow or when the temperature is below 0°C.</p> <p>For best control, use as a component of an integrated disease management program.</p> <p>Apply in sufficient water to ensure thorough coverage. 2-8 litres of water per 100 m<sup>2</sup> is recommended.</p> <p>Use AI, XR or Syngenta XC nozzles.</p> <p>Apply after mowing and do not mow after application.</p>

## RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, INSTRATA FUSION B Fungicide contains a Group 7 fungicide in the succinyl dehydrogenase inhibitor (SDHI) class. Any fungal population may contain individuals naturally resistant to benzovindiflupyr and other Group 7 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 benzovindiflupyr or other Group 7 fungicides with different groups that control the same pathogens.

Apply no more than 2 sequential applications unless otherwise stated in the crop section.

**DO NOT** apply at rates lower than recommended on the label.

Use tank mixtures with fungicides 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 thresholds, as well as cultural, biological and other chemical control practices.

Where possible, make use of predictive disease models to effectively time fungicide applications.

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, to which pathogen resistance has not developed.

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 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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GROUP	3	11	FUNGICIDES
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## INSTRATA® FUSION C Fungicide

Emulsifiable Concentrate

COMMERCIAL

Broad-spectrum fungicide for control of turf diseases.

**ACTIVE INGREDIENTS:**

Azoxystrobin.....	62.4 g/L
Propiconazole .....	103.9 g/L

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

**WARNING: EYE IRRITANT**

REGISTRATION NO: **35709**  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **0.5 L - 450 L**

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

**LABEL**

## 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 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.

## TOXICOLOGICAL INFORMATION

No specific symptoms of poisoning are known for this product. If ingested, nausea, vomiting, diarrhoea and abdominal pain may occur. Treat symptomatically.

## PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN.** HARMFUL IF SWALLOWED. Causes eye irritation. DO NOT get in eyes. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

For workers handling less than 750 L of INSTRATA® FUSION C Fungicide (equivalent to 78 kg propiconazole) per day: Wear long pants, a long sleeve shirt, shoes and socks and chemical-resistant gloves during mixing/loading, application, clean-up and repair activities.

Wear protective goggles or face shield as well as protective apron when handling the concentrated product during mixing and loading.

For commercial turf workers handling greater than 750 L INSTRATA FUSION C Fungicide (equivalent to 78 kg propiconazole) per day: Wear coveralls over long pants, a long sleeve shirt, shoes and socks and chemical resistant gloves during mixing/loading/application, clean-up and repair activities.

All users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL PRECAUTIONS

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

**DO NOT** apply directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuarine or marine habitats.

This product demonstrates 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.

Avoid application to areas where runoff is likely to occur. Runoff from treated areas into aquatic habitats may be hazardous to aquatic organisms. To reduce runoff from treated areas into aquatic habitats, avoid application to areas with moderate to steep slope, compacted soil, or clay.

Avoid application of this product when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods in habitats next to the application site such as hedgerows and woodland. Care should be taken when using this product in an integrated pest management program where users are relying on the presence of beneficial arthropods.

## STORAGE

Store in original container, tightly closed, in a cool, dry, well ventilated area, out of the reach of children and animals and away from food or feed. Keep away from fire or open flame, or other sources of heat.

## SPILL CLEANUP

Wear appropriate protective equipment (gloves, glasses, apron) when attempting to clean up the spill. In case of spill on floor or paved surfaces mop up and remove to chemical waste storage area

until proper disposal can be made if product cannot be used according to the label. Wash the surface or floor with detergent and water, then rinse.

If on soil, collect contaminated surface soil with the product. If the product is clean, it may be used; otherwise follow the DISPOSAL instructions.

## **DISPOSAL**

For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for cleanup of spills.

### **For recyclable containers:**

**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.
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 or territorial requirements.

### **For refillable containers:**

**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:**

**DO NOT** reuse this container for any other purpose. For disposal, 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)***

INSTRATA® is a trademark of a Syngenta Group Company.

GROUP 3 11 FUNGICIDES

## INSTRATA® FUSION C Fungicide

Emulsifiable Concentrate

COMMERCIAL

Broad-spectrum fungicide for control of turf diseases.

**ACTIVE INGREDIENTS:**

Azoxystrobin.....	62.4 g/L
Propiconazole .....	103.9 g/L

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

**WARNING: EYE IRRITANT**

REGISTRATION NO: **35709**  
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 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.

## TOXICOLOGICAL INFORMATION

No specific symptoms of poisoning are known for this product. If ingested, nausea, vomiting, diarrhoea and abdominal pain may occur. Treat symptomatically.

## PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN.** HARMFUL IF SWALLOWED. Causes eye irritation. DO NOT get in eyes. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

For workers handling less than 750 L of INSTRATA® FUSION C Fungicide (equivalent to 78 kg propiconazole) per day: Wear long pants, a long sleeve shirt, shoes and socks and chemical-resistant gloves during mixing/loading, application, clean-up and repair activities.

Wear protective goggles or face shield as well as protective apron when handling the concentrated product during mixing and loading.

For commercial turf workers handling greater than 750 L INSTRATA FUSION C Fungicide (equivalent to 78 kg propiconazole) per day: Wear coveralls over long pants, a long sleeve shirt, shoes and socks and chemical resistant gloves during mixing/loading/application, clean-up and repair activities.

All users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL PRECAUTIONS

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

**DO NOT** apply directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuarine or marine habitats.

This product demonstrates 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.

Avoid application to areas where runoff is likely to occur. Runoff from treated areas into aquatic habitats may be hazardous to aquatic organisms. To reduce runoff from treated areas into aquatic habitats, avoid application to areas with moderate to steep slope, compacted soil, or clay.

Avoid application of this product when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods in habitats next to the application site such as hedgerows and woodland. Care should be taken when using this product in an integrated pest management program where users are relying on the presence of beneficial arthropods.

## STORAGE

Store in original container, tightly closed, in a cool, dry, well ventilated area, out of the reach of children and animals and away from food or feed. Keep away from fire or open flame, or other sources of heat.

## SPILL CLEANUP

Wear appropriate protective equipment (gloves, glasses, apron) when attempting to clean up the spill. In case of spill on floor or paved surfaces mop up and remove to chemical waste storage area

until proper disposal can be made if product cannot be used according to the label. Wash the surface or floor with detergent and water, then rinse.

If on soil, collect contaminated surface soil with the product. If the product is clean, it may be used; otherwise follow the DISPOSAL instructions.

## **DISPOSAL**

For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for cleanup of spills.

### **For recyclable containers:**

**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.
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 or territorial requirements.

### **For refillable containers:**

**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:**

**DO NOT** reuse this container for any other purpose. For disposal, 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 FUSION C Fungicide is a combination of two broad spectrum, preventative fungicides with systemic properties recommended for the control of many important turfgrass diseases. INSTRATA FUSION C Fungicide may be applied as a foliar spray in alternating spray programs. All applications should be made according to the use directions that follow.

## **GENERAL USE PRECAUTIONS**

**DO NOT** apply INSTRATA FUSION C Fungicide through irrigation equipment.

**DO NOT** apply INSTRATA FUSION C Fungicide by air.

**DO NOT** graze or feed clippings from the treated area to livestock.

**DO NOT** apply INSTRATA FUSION C Fungicide with silicone-based wetting agents due to possible phytotoxicity.

**Sod:** When using INSTRATA FUSION C Fungicide to control Grey Snow Mould and Pink Snow Mould, **DO NOT** allow workers harvesting or transplanting treated sod to enter treated areas for 8 days. For other treatments, **DO NOT** allow workers to harvest or transplant treated sod for 6 days after application.

**Golf Courses:** A restricted entry interval (REI) of 1 day is required for workers mowing, watering, cup changing, repairing irrigation systems, and doing miscellaneous grooming on golf courses. For all other activities, do not allow entry into treated areas until the area is dry.

INSTRATA FUSION C Fungicide has demonstrated some phytotoxic effects when mixed with products that are formulated as EC's. These effects are enhanced if applications are made under cool, cloudy conditions and these conditions remain for several days following application.

Azoxystrobin has been shown to be extremely phytotoxic to certain apple and crabapple varieties. INSTRATA FUSION C Fungicide should not be applied where there is the possibility of spray drift reaching apple and crabapple trees. **DO NOT** use sprayers used to apply INSTRATA FUSION C Fungicide to spray apples or crabapples.

## **INTEGRATED PEST (DISEASE) MANAGEMENT**

INSTRATA FUSION C Fungicide should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. Consult your local turf authority for additional IPM strategies established for your area.

## **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 equipment or disposal of wastes.

**DO NOT** use in greenhouses.

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.

**DO NOT** allow entry into treated areas until the area is dry.

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the

same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. at 1-87-SYNGENTA (1-877-964-3682) for information before applying any tank mix that is not specifically recommended on this label.

Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank-mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

**Field sprayer application:** **DO NOT** apply when wind speed is less than 1 km/h. Avoid application of this product when winds are gusty. **DO NOT** apply with sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) medium classification. Boom height must be 60 cm or less above the crop or ground.

### **Mixing Instructions**

To prepare spray solution, fill the spray tank  $\frac{1}{2}$ -  $\frac{2}{3}$  full with clean water and begin agitation. Add the required amount of INSTRATA FUSION C Fungicide to the tank, allowing time for good dispersion. Finish filling the tank to the desired volume with water to obtain the proper spray concentration. Maintain agitation throughout the spraying operation. Do not allow spray mixture to stand overnight or for prolonged periods. Make up only the amount of spray required for immediate use. Sprayers should be calibrated before application and thoroughly cleaned immediately after application. Do not use silicone-based products with INSTRATA FUSION C Fungicide due to possible phytotoxicity.

### **Spray Buffer Zones**

A spray buffer zone is NOT required for:

- uses with hand-held, backpack sprayer and spot treatment application equipment permitted on this label.

The spray 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/Site	Spray 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	Turf, golf courses	3	1	4	2	4	

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

The spray buffer zones for this product for conventional application equipment can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Drift Mitigation portion of the Canada.ca website.

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

**TURF: Golf Courses, Commercial Turf Farms (Sod)** - For control of Grey Snow Mould, Pink Snow Mould, and Fusarium Patch. Refer to the following table to determine the appropriate use rate and application interval by target disease.

**DO NOT** apply more than 430 mL product/100 m<sup>2</sup>/year (43 L product/ha/year), unless otherwise stated in the use directions table.

Disease	Product Rate (mL/100 m <sup>2</sup> )	Application Interval (days)	Instructions
Grey Snow Mould ( <i>Typhula incarnata</i> , <i>Typhula ishikariensis</i> ) and Pink Snow Mould ( <i>Microdochium nivale</i> )	96	one fall application	Under conditions of high disease pressure on golf courses, consider tank mixing INSTRATA FUSION C Fungicide with INSTRATA FUSION A and INSTRATA FUSION B. If doing so, use the lower rate.
	308		When applying INSTRATA FUSION C Fungicide alone on golf courses or commercial turf farms (sod), use the higher rate.
Fusarium Patch ( <i>Microdochium nivale</i> )	48 - 96	14 - 28	Use preventatively. Begin applications when conditions are favorable for disease development, i.e., extended period of cool (<15.5°C) and wet weather in spring and fall.  Use the higher rate under severe disease pressure.  During prolonged periods of favourable conditions apply on the shorter application interval.

### **INSTRATA FUSION C Fungicide Rate Conversion Chart for Turf**

Amount of INSTRATA FUSION C Fungicide (mL) required for each 100 L of spray solution at selected rates and target application volumes:

Rate of INSTRATA FUSION C Fungicide (mL/100 m <sup>2</sup> )	Target Application Volume (L/100 m <sup>2</sup> )			
	4	8	12	16
48	1200	600	400	300
77	1925	963	642	481
96	2400	1200	800	600
308	7700	3850	2567	1925

Rate of INSTRATA FUSION C Fungicide (L/ha)	Target Application Volume (L/ha)			
	400	800	1200	1600
4.8	1200	600	400	300
7.7	1925	963	642	481
9.6	2400	1200	800	600
30.8	7700	3850	2567	1925

#### **Examples:**

- 1) If the intended rate of application is 48 mL/100 m<sup>2</sup>, and the sprayer is calibrated to deliver 8 L/100 m<sup>2</sup>, a 100 L batch size would require 600 mL of INSTRATA FUSION C Fungicide.
- 2) If the intended rate of application is 4.8 L/ha, and the sprayer is calibrated to deliver 800 L/ha, each 100 L of spray solution would require 600 mL of INSTRATA FUSION C Fungicide.

### **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, please note that INSTRATA FUSION C Fungicide contains a Group 3 and Group 11 fungicide. Any fungal population may contain individuals naturally resistant to INSTRATA FUSION C Fungicide and other 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:**

INSTRATA FUSION C Fungicide should be applied in an alternation program with other registered fungicides that have a different mode of action, and to which pathogen resistance has not developed.

DO NOT apply more than two (2) applications before applying one (1) application of a fungicide of a different group with a different mode of action.

Use tank mixtures with fungicides 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 thresholds, as well as cultural, biological and other chemical control practices.

Where possible, make use of predictive disease models to effectively time fungicide applications.

Monitor treated fungal populations for sign of resistance development. Notify Syngenta Canada Inc. if reduced sensitivity of the pathogen to INSTRATA FUSION C 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 in your area.

For further information or to report suspected resistance, contact company representatives at 1-87-SYNGENTA (1-866-974-3682) or at [www.syngenta.ca](http://www.syngenta.ca).

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