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CIVITAS TURF DEFENSE™ Ready-2-Mix

Fungicide for Golf Course Turf

Solution

COMMERCIAL

GUARANTEE: MINERAL OIL 98%

REG. NO. 29825 P.C.P. ACT

READ THE LABEL BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 1L- 1000 L

Intelligro  
2310 Lakeshore Road West  
MISSISSAUGA, ONTARIO, L5J 1K2  
CANADA  
1-855-300-3997

Patents: [www.suncor.com/patents](http://www.suncor.com/patents)

## GENERAL INFORMATION

CIVITAS TURF DEFENSE™ Ready-2-Mix is a broad spectrum fungicide for use on golf course turf.

CIVITAS TURF DEFENSE™ Ready-2-Mix is used as a preventative treatment with curative properties recommended for the control of many important diseases on turf. This product is intended for fairways and roughs. It can also be applied to tees and greens but should be tested on a small area prior to broad applications because short cut turf may be more susceptible to disease and phytotoxicity.

### DIRECTIONS FOR USE:

CIVITAS TURF DEFENSE™ Ready-2-Mix may be applied with all types of spray equipment commonly used for making ground applications.

**Note:** May cause phytotoxicity on short cut turf. Before treating a large area, treat a small area and observe prior to full scale applications.

For ground applications, apply CIVITAS TURF DEFENSE™ Ready-2-Mix in sufficient water volume for adequate coverage. All applications should be made according to the use directions that follow.

Do not apply more than 7 L/100m<sup>2</sup>/year.

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.

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 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 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*	Golf course turf (fairways, greens, roughs, tees)	5	3	1	1

\* 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 labeled buffer zone 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 labeled 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.

## INTEGRATED PEST MANAGEMENT

CIVITAS TURF DEFENSE™ Ready-2-Mix can be used for resistance management strategies and in an integrated pest management program (IPM). Consult with your local Extension Specialist, on using this product for resistance management and using it in an IPM program.

## MIXING DIRECTIONS

Use only in equipment with sufficient agitation to keep spray thoroughly mixed. Provide sufficient agitation during mixing and application to maintain a uniform emulsion. Be sure tank is clean. With agitator running, start filling tank with water; add CIVITAS TURF DEFENSE™ Ready-2-Mix when tank is about 1/2 full. If this mixture turns white, it indicates good emulsification. Fill the tank with water, adding other desired materials as tank is filling.

## DO NOT USE THIS MATERIAL IF IT DOES NOT EMULSIFY.

Note: Use efficient equipment of the proper type. Avoid spraying during or immediately prior to hot or freezing weather, rain or other unsuitable conditions; avoid over spraying or double spraying. Plants should be sprayed only when in vigorous condition and when their moisture condition is suitable. Before using, make certain spray tank is free of sulfur residues.

For turf applications, the addition of a compatible spray indicator, such as dyes, is recommended.

**TURF ON GOLF COURSES INCLUDING FAIRWAYS, GREENS, ROUGHS AND TEES \***

*\*This product should be tested on small area of fairways, greens, roughs and tees prior to broad application because short cut turf may be more susceptible to disease and phytotoxicity.*

TARGET DISEASE	APPLICATION RATE (CIVITAS TURF DEFENSE™ Ready-2-Mix	APPLICATION RATE (Water per 100 sq. metres)	APPLICATION INTERVAL (Days)	COMMENTS
Control of Spring Leaf Spot ( <i>Drechslera poae</i> )	250-500 mL	4-20 Litres	14	<p>Apply as a preventative treatment or when conditions are favorable for disease development.</p> <p><b>CIVITAS TURF DEFENSE™ Ready-2-Mix will suppress symptoms of Grey Snow Mold and Pink Snow Mold: Make single high rate or 2 or more applications at low rate spaced 14 days apart in late fall before snow cover.</b></p> <p>The addition of a compatible spray indicator, such as dyes, is recommended.</p> <p>Apply to Brown Patch and Anthracnose as required but not less than 14 days between treatments</p>
Grey Snow Mold ( <i>Typhula ishikariensis</i> , <i>Typhula incarnata</i> )	660-930 mL	4-20 Litres	Single application rate	
	330-460 mL	4-20 Litres	Multiple application rate 14	
Pink Snow Mold ( <i>Microdochium nivale</i> )	660-930 mL	4-20 Litres	Single application rate	
	330-460 mL	4-20 Litres	Multiple application rate 14	
Dollar Spot ( <i>Sclerotinia homoeocarpa</i> )	250-500 mL	4-20 Litres	14	
Brown patch ( <i>Rhizoctonia solani</i> )	270-540	4-20 Litres	14	
Anthracnose ( <i>Colletotrichum cereale</i> )	240-460	4-20 Litres	14	

**PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN. May be harmful if swallowed or inhaled. Avoid contact with eyes, skin and clothing. Minimize breathing mists or vapors. Wash exposed skin thoroughly after using.

Wear long sleeved shirt, long pants, chemical-resistant gloves (such as barrier laminate or Nitrile rubber, Neoprene rubber or Viton) and shoes plus socks during mixing, loading, application, clean-up and repair. Apply only when the potential for drift to areas of human habitation or areas of human activity, such as houses, cottages, schools, and recreational areas, is minimal. Take into consideration wind speed, wind directions, temperature, application equipment, and spray settings.

DO NOT enter or allow others to enter treated areas until sprays have dried.

**FIRST AID:**

**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 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.

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

**TOXICOLOGICAL INFORMATION:**

Treat symptomatically. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

**ENVIRONMENTAL HAZARDS:**

TOXIC to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

**SPILL CONTROL:**

Avoid contact. Eliminate all ignition sources. Ventilate confined spaces. Absorb with an inert Material. Place in appropriate waste disposal container. Contain spill. DO NOT FLUSH TO SEWER. Check with applicable jurisdictions for specific disposal requirements of material and empty containers.

**DISPOSAL:****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:

Triple-or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. 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.

**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 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.

**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 information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

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

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