

2022-0975
2022-03-04

Container label

GROUP	3	FUNGICIDE
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Maxtima®

FUNGICIDE

Broad spectrum fungicide for disease control or suppression on golf course turf

Suspension Concentrate

COMMERCIAL (AGRICULTURAL)

ACTIVE INGREDIENT: Mefentrifluconazole 400 g/L

Contains 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00111%, 2-methyl-4-isothiazolin-3-one at 0.00037%, 1,2-benzisothiazolin-3-one at 0.0400% and 2-bromo-2-nitropropane-1,3-diol at 0.0240%, as preservatives

OR

Contains 1,2-benzisothiazolin-3-one and 2-methyl-4-isothiazolin-3-one at 0.0075%, as preservatives

Warning, contains the allergen soy

POTENTIAL SKIN SENSITIZER

REGISTRATION NO. 33406

PEST CONTROL PRODUCTS ACT

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT
1-800-454-2673**

READ THE LABEL AND BROCHURE BEFORE USING

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 0.1 L - Bulk

BASF Canada Inc.
5025 Creekbank Road
Building A, 2nd Floor
Mississauga, Ontario L4W 0B6

1-877-371-2273

MAXTIMA is a registered trade-mark of BASF SE, used with permission by BASF Canada Inc.

PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Potential skin sensitizer.
3. **DO NOT** enter or allow entry into treated areas until sprays have dried.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required within a closed cab.
6. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
7. Clean spray equipment thoroughly after use.
8. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
9. Apply only when the potential for drift to areas of human habitation or areas of human activity (excluding golf courses) such as houses, cottages, schools and recreation areas including parks, school grounds, and playing fields is minimal, taking into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

FIRST AID

If 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 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 inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

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

TOXICOLOGICAL INFORMATION

Treat symptomatically.

STORAGE

1. Store in original tightly closed container.
2. To prevent contamination, store this product away from food or feed.
3. Store in cool, dry, locked, well-ventilated area without floor drain.

DISPOSAL

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 any further use.

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

For Non-Returnable Containers

1. Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the 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.

For Returnable-Refillable Containers

For disposal, this empty 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.

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NOTICE TO USER

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Booklet

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GENERAL INFORMATION

Maxtima is a broad-spectrum fungicide containing the active ingredient mefentrifluconazole. For optimum disease management, apply **Maxtima** in a regularly scheduled preventative spray program in rotation with non-Group 3 fungicides.

Mode of Action

Mefentrifluconazole, the active ingredient in **Maxtima**, inhibits demethylation of sterol biosynthesis (DMI), which disrupts cell membrane synthesis and is classified by the Fungicide Resistance Action Committee (FRAC) as a Group 3 fungicide.

PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Potential skin sensitizer.
3. **DO NOT** enter or allow entry into treated areas until sprays have dried.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required within a closed cab.
6. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
7. Clean spray equipment thoroughly after use.
8. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
9. Apply only when the potential for drift to areas of human habitation or areas of human activity (excluding golf courses) such as houses, cottages, schools and recreation areas including parks, school grounds, and playing fields is minimal, taking into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms and non-target terrestrial plants. 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.

Mefentrifluconazole is persistent and may carry over. It is recommended that any products containing mefentrifluconazole not be used in areas treated with this product during the previous season.

FIRST AID

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.

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TOXICOLOGICAL INFORMATION

Treat symptomatically.

DIRECTIONS FOR USE

ALL USES

Maxtima is a broad-spectrum fungicide recommended for the control or suppression of many important diseases of turf grass. For maximum efficacy, **Maxtima** should be applied preventively. Under high disease pressure, use the higher specified rate and/or shorter specified application interval.

All applications should be made according to the use directions indicated in the Application Rates and Intervals Table. Failure to follow directions and precautions on this label may result in turf grass injury and/or inferior disease control.

Apply **Maxtima** in 6.25-25.0 litres of water per 100 square meters (625 - 2500 litres per hectare).

DO NOT make more than two (2) sequential applications of **Maxtima** fungicide before alternating to a non-Group 3 fungicide registered for the same use.

Turf Grass Tolerance

Due to variability within turf grass species and application techniques, neither the manufacturer nor the seller has determined whether or not **Maxtima** can safely be used on all turf grasses under all conditions. Therefore, it is recommended that the user determine if **Maxtima** can be used safely before broad use. Apply the recommended use rate of **Maxtima** on a small test area under conditions expected to be encountered. Monitor for any adverse effects during a 14-day period after application.

Application Rates and Intervals Table

When applied as directed, **Maxtima** will control the listed diseases, unless otherwise indicated as suppression.

Disease Controlled	Use Rate (mL/100 sq. m.)	Application Interval (days)	Additional Instructions
Anthracnose foliar blight and basal rot (<i>Colletotrichum cereale</i>)	6.25 – 12.5	14 – 21	Use the higher rate for areas with a history of severe disease pressure. Use the higher rate for basal rot symptoms.
Brown patch (<i>Rhizoctonia solani</i>)	25	14	
Brown ring patch (<i>Waitea circinata</i> var. <i>circinata</i>)	25	14	Apply preventively or as symptoms become evident. Use 800 – 1500 L spray volume per hectare. Provide a short irrigation cycle directly following application to move fungicide through thatch. Disease symptoms may take 2–3 weeks to disappear following application. A sequential application is recommended.
Dollar spot (<i>Sclerotinia homoeocarpa</i>)	6.25	14 – 21	Use the higher rate for areas with a history of severe disease pressure.
	12.5	21 – 28	
Fairy ring (<i>Basidiomycete fungi</i>)	25	28	Apply preventively or as symptoms become evident. Use 800 – 1500 L spray volume per hectare. Provide a short irrigation cycle directly following application to move fungicide through thatch. Disease symptoms may take 2–3 weeks to disappear following application. A sequential application is recommended.
Gray snow mould / Typhula blight (<i>Typhula incarnata</i> , <i>T. ishikariensis</i>)	12.5 – 25	Make a single application in late fall just prior to snow cover.	Use the higher rate for areas with a history of severe disease pressure.
Suppression of Microdochium patch (Fusarium patch) and pink snow mould (<i>Microdochium nivale</i>)	12.5 – 25	Make a single application in the late fall just prior to snow cover.	Use the higher rate for areas with a history of severe disease pressure.
Summer patch (<i>Magnaporthe poae</i>)	25	21 – 28	Initiate applications in the spring when soil temperatures reach 15-18°C at a 5 cm soil

Disease Controlled	Use Rate (mL/100 sq. m.)	Application Interval (days)	Additional Instructions
			depth, or as dictated by local recommendations.
Take-all patch (<i>Gaeumannomyces graminis</i>)	12.5	28	Apply preventively or as symptoms become evident. Use 800 – 1500 L spray volume per hectare. Provide a short irrigation cycle directly following application to move fungicide through thatch. Disease symptoms may take 2–3 weeks to disappear following application. A sequential application is recommended.
DO NOT apply more than 7.5 L/ha per year for control or suppression of all labelled diseases.			
<p>TANK MIXING</p> <p>In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced efficacy or increased host crop injury. The user should contact BASF Canada Inc. at 1-877-371-2273 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label.</p> <p>Physical incompatibility, reduced disease control or turf injury may result from mixing Maxtima with other products. Therefore, before using any tank mix (fungicides, insecticides, liquid fertilizers, biological control products, adjuvant and additives) test a small portion of the turf to be treated to ensure that a phytotoxic response will not occur.</p> <p>When applied as a tank-mix combination, read and observe all label directions, including rates, personal protective equipment, restrictions and precautions for each product used in the tank-mix. Always use in accordance with the most restrictive label restrictions and precautions.</p>			

MIXING

1. Clean spray tank following sprayer clean-up recommendations on the previous product label.
2. Fill the spray tank one-half full of water and start agitation.
3. Add the required amount of **Maxtima** to the tank.
4. Continue agitation while filling the remainder of the spray tank.
5. After use, clean the spray tank according to PRECAUTIONS.

APPLICATION INSTRUCTIONS

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 S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

DO NOT apply using aerial application equipment.

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 Habitat of Depths:		Estuarine/Marine Habitat of Depths:		Terrestrial Habitat
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Turf	15	2	1	0	1

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

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

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, **Maxtima** contains a Group (3) fungicide. Any fungal population may contain individuals naturally resistant to **Maxtima** and other Group 3 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 **Maxtima** or other Group 3 fungicides with different groups that control the same pathogens.

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

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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 resistance development. Notify BASF Canada if reduced sensitivity of the pathogen to **Maxtima** 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.

For further information and to report suspected resistance, contact BASF Canada Inc. at 1-877-371-2273 or at www.betterturf.ca.

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