

{Booklet Label}

GROUP	3	FUNGICIDE
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Tourney® Fungicide

FUNGICIDE
WATER DISPERSIBLE GRANULE
COMMERCIAL

For control of certain diseases in turfgrass on golf courses and sod farms.

GUARANTEE:	
Metconazole.....	50.0%

Warning, contains the allergens milk and sulfites



CAUTION - POISON

READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

REGISTRATION NO 30928
PEST CONTROL PRODUCTS ACT

Net Contents: 500 g – 25 kg

Valent Canada Inc.
3-728 Victoria Road South
Guelph, Ontario, N1L 1C6
(519) 767-9262
www.valent.ca

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 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 the person to fresh air. If the 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 SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have the 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.

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

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL OR POISONING CALL
1-800-682-5368***

TOXICOLOGICAL INFORMATION

There is no specific antidote for this product. Apply symptomatic therapy.

ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms, non-target terrestrial plants, birds, and small wild mammals.

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.

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 to the water table is shallow.

PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN. Harmful if swallowed. Avoid contact with eyes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco or using the toilet.

- **When handling 18.5 kg of Tourney Fungicide or less for groundboom applications OR when handling 2.1 kg of Tourney Fungicide or less for turf gun applications,**
 - Wear a long-sleeved shirt, long pants, chemical-resistant gloves, shoes and socks during mixing, loading, application, clean-up and repair.
- **When handling more than 18.5 kg Tourney Fungicide for groundboom applications OR when handling more than 2.1 kg of Tourney Fungicide for turf gun applications,**
 - Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, shoes and socks during mixing, loading, application, clean-up and repair.
 - Use closed cab tractor for groundboom application. A closed cab is a chemical resistant barrier that completely surrounds the occupant of the cab and prevents contact with the pesticide or treated surfaces outside the cab.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothes. Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For transplanting, planting, and harvesting, do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours. For other activities, do not enter or allow others to enter until sprays have dried.

Do not 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.

DISPOSAL/DECONTAMINATION

DO NOT REUSE THIS CONTAINER FOR ANY PURPOSE. This is a recyclable container and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

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

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

STORAGE:

Do not contaminate water, food or feed by storage. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not store or transport near feed or food. Not for use or storage in or around the home. To prevent contamination, store this product away from food or feed.

RESISTANCE MANAGEMENT

For resistance management, please note that *Tourney* contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to *Tourney* 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 *Tourney* or other group 3 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group when such use is permitted.
- 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 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 advisor for any additional pesticide resistance-management and/or IPM recommendations for turfgrass pathogens.
- For further information and to report suspected resistance, contact Valent Canada, Inc. at 1-800-682-5368 or at www.valent.ca.

GENERAL INFORMATION

MODE OF ACTION

The active ingredient in *Tourney* is metconazole, a broad-spectrum triazole fungicide that works by inhibiting demethylation and other processes in sterol biosynthesis. *Tourney* is systemic and is quickly absorbed into plant tissue, and then moves up through the plant. Metconazole has no effect on fungal spore germination; however, it interferes with other early developmental processes in the life cycle of certain fungi. Although *Tourney* cannot prevent spore germination, it prevents spore formation and inhibits mycelia growth.

Tourney is most effective when applied prior to infection. Optimal disease control is achieved when *Tourney* is applied in a regularly scheduled spray program and used in combination and/or rotation with other effective fungicides that have different modes of action (i.e., non-Group 3 fungicides). *Tourney* is a sterol biosynthesis inhibitor; avoid rotating with other sterol biosynthesis inhibitors.

RAINFASTNESS

Applications should not be made if rain is expected within 2 hours of application or disease control may be reduced.

SPRAYER PREPARATION

Before applying *Tourney*, start with clean, well maintained application equipment. Nozzles should be frequently checked for accuracy. The spray tank hoses and booms must be cleaned to ensure no residue from the previous spraying operations remain in the sprayer. The spray equipment must be cleaned according to the manufacturer's directions for the last product used before the equipment is used to apply *Tourney*. If two or more products were tankmixed prior to *Tourney* application, the most restrictive cleanup procedure should be followed.

Application equipment should be clean and in good repair. Nozzles should be frequently checked for accuracy.

SPRAYER CLEANUP

Clean sprayer equipment each day following *Tourney* application. After application is complete, use the following steps to clean spray equipment:

1. Completely drain the spray tank, rinse the sprayer thoroughly, including the inside and outside of the tank and all in-line screens.
2. Fill the spray tank with clean water and flush all hoses, booms, screens, and nozzles.
3. Drain tank completely.
4. Remove all nozzles and screens and rinse them in clean water.

MIXING INSTRUCTIONS

1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
2. While agitating, slowly add the *Tourney* to the spray tank. Agitation should create a rippling or rolling action on the water surface.
3. If tank mixing *Tourney* with other labeled pesticides, add water soluble packets first, followed by dry formulations, flowables, emulsifiable concentrates and then solutions.
4. Add any required adjuvants.
5. Fill spray tank to desired level with water. Agitation should continue until all spray solution has been applied.
6. Mix only the amount of spray solution that can be applied the day of mixing. Apply *Tourney* within 12 hours of mixing.

SPRAY VOLUME

Apply *Tourney* using standard, low-pressure spray equipment designed to deliver coarse to medium size spray droplets (nozzles designed to deliver fine droplets should be avoided). Apply in sufficient volume of water to provide spray coverage and a uniform spray pattern. Spray boom height should be no higher than 50 cm. For foliar disease, use 8 L/100 m². For crown and root diseases, use 8 to 16 L/100 m².

SPECIFIC DIRECTIONS FOR USE IN TURFGRASS

- *Tourney Fungicide* may be used for disease control on golf courses and sod farms.
- This product should be used in conjunction with turf management practices that promote good plant health and optimum disease control. Proper identification of diseases is essential for providing control.
- *Tourney Fungicide* is more effective when used preventatively or early in disease development.
- Length of disease control will vary according to local environmental conditions, disease pressure and turfgrass management practices.
- Under conditions of optimal disease development (such as high humidity and temperature), when applications are made curatively or in areas with a history of severe disease pressure, use higher registered rates.

- Applications of *Tourney Fungicide* can injure golf course greens that are under high heat (air temperatures exceeding 32°C) and/or drought stress.
- All applications should be made according to the following use directions. Failure to follow label directions may result in turfgrass injury and/or inferior disease control.

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.

TURFGRASS TOLERANCE

Due to the large number of turfgrass types and application techniques, it has not been determined if *Tourney* can be safely used on all turfgrasses under all conditions. It is recommended that the user determine safety under local conditions by making an application to a small test area. Monitor the test area for at least 2 weeks to determine safety under local growing conditions.

RECOMMENDED TURFGRASS SPECIES

Annual bluegrass
 Creeping bentgrass
 Fescue
 Kentucky bluegrass
 Perennial ryegrass

RESTRICTIONS AND LIMITATIONS

- Applications may be made by ground only. Do not apply by air.
- Apply to dry turf, or after mowing. For control of foliar diseases, allow turf to dry before irrigation. For control of crown or root diseases, *Tourney* can be watered in after application.
- **Do not apply more than one (1) application per hectare per year (1.12 kg product/ha/year)**
- Apply to turf after mowing, or avoid mowing for 12 hours after application.
- Do not apply through any type of irrigation system
- Do not graze animals on any treated areas. Do not feed clippings from treated areas to livestock or poultry.

TURFGRASS – Application Rates and Disease Claims			
Diseases (Pathogens)	Application Rates		Special Instructions
	g/ha	g/100m²	
Dollar spot (<i>Sclerotinia homoeocarpa</i>)	840-1120	8.4-11.2	Use higher rates when the turf is under high dollar spot pressure.

			Apply in 8 L of water per 100 m ² . Use preventatively when conditions favour disease development.
Anthracnose Basal Rot and Anthracnose Foliar Blight (<i>Colletotrichum cereale</i>)	840	8.4	Use preventatively when conditions favour disease development. Apply in 8 L of water per 100 m ² for foliar blight and 8-16 L of water per 100 m ² for basal rot.
Brown Patch (<i>Rhizoctonia solani</i>)	840-1120	8.4-11.2	Apply in 8 L of water per 100 m ² . Use preventatively when conditions favour disease development.
Fairy Ring (various Basidiomycetes)	1120	11.2	Apply as soon as possible after first symptoms appear. Apply in 16 L of water per 100 m ² . Symptoms may take several weeks to disappear following an application. Tourney Fungicide may not provide control of fairy ring if applied after disease has become established or under high disease pressure.
Pink and Grey Snow Mould (<i>Microdochium nivale</i> , <i>Typhula ishikariensis</i> and <i>T. incarnata</i>)	1120 g of Tourney + 25 kg a.i. of Daconil 2787 Flowable Fungicide or Daconil Ultrex Fungicide	11.2 g of Tourney + 250 g a.i. of Daconil 2787 Flowable Fungicide or Daconil Ultrex Fungicide	Apply in late fall before snow cover. Make the application before the turfgrass enters dormancy (usually after the last mowing of the season) and before the first snow fall. Apply in 8 L of water per 100 m ² .

Summer Patch <i>Magnaporthe poae</i>	1120	11.2	Use preventatively when conditions favour disease development in the spring and fall. Apply in 16 L of water per 100 m ² .
Waitea Patch (<i>Waitea circinata</i>)	1120	11.2	Use preventatively when conditions favour disease development. Apply in 8 L of water per 100 m ² .

DO NOT APPLY MORE THAN ONE (1) APPLICATION PER SEASON. Tourney Fungicide should be alternated with other mode of action fungicides registered on the same pathogens in a disease management program.

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 Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial habitat
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	

Field sprayer	Turfgrass on golf course and sod farms	5	1	1	1	1
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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.

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{Base Container Label}

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