

2023-3538
2024-05-01
Container

Previously approved:
2022-0975
2023-03-04

GROUP

7

FUNGICIDE

CADENCE® WDG FUNGICIDE

WETTABLE GRANULES

For disease control on golf course turf grass

COMMERCIAL (AGRICULTURAL)

ACTIVE INGREDIENT: Boscalid ... 70%

Warning, contains the allergen sulfites

REGISTRATION NO. 27496

PEST CONTROL PRODUCTS ACT

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



CAUTION

POISON

WARNING - EYE IRRITANT

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 162 g

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

1-877-371-2273

CADENCE is a registered trade-mark of BASF Corporation, used with permission by BASF Canada Inc. ©2003 BASF Canada Inc.

PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. **DO NOT** take internally. Harmful if swallowed.
3. **DO NOT** get in eyes. Causes eye irritation. Avoid contact with eyes, skin and clothing.
4. Wash exposed areas of skin thoroughly after handling and before eating, drinking or smoking.
5. Wear long-sleeved shirt, long pants and chemical resistant gloves during mixing, loading, application, clean up and repair.
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.

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 direction, temperature inversions, application equipment and sprayer settings.

FIRST AID

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.

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 the leftover product in original tightly closed container.
2. **DO NOT** ship or store the product near food, feed, seed and fertilizers.
3. Store the product in cool, dry, locked, well-ventilated area without floor drain.
4. Store this product away from food or feed.

DISPOSAL

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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.

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For information on disposal of unused, unwanted product, contact the manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial 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.

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GENERAL INFORMATION

Cadence WDG Fungicide is a systemic anilide fungicide recommended for the control of dollar spot (*Sclerotinia homoeocarpa*) of golf course turf grass. For maximum efficacy, **Cadence WDG Fungicide** should be applied when local conditions favour development of disease. All applications should be made according to the use directions that follow. Failure to follow directions and precautions on this label may result in crop injury and/or inferior disease control.

DIRECTIONS FOR USE

Apply the recommended rate of **Cadence WDG Fungicide** as instructed in the **Specific Use Directions** with ground spray equipment. **DO NOT APPLY BY AIR.**

Turf Grass Tolerance

Tolerance on all turf grasses under all conditions has not been assessed. Therefore, it is recommended that the user apply the recommended use rate of **Cadence WDG Fungicide** on a small test area under conditions expected to be encountered and monitor for any adverse effects before applying **Cadence WDG Fungicide** to targeted area.

Application Instructions

Cadence WDG Fungicide should be applied prior to or in early stages of disease development. For maximum efficacy, apply **Cadence WDG Fungicide** at the rates indicated in **Table 1** in 5 to 15 litres of water per 100 square meters (500-1500 litres per hectare). Use the higher specified rate when prolonged favourable disease conditions exist.

Actual length of disease control will vary depending on environmental conditions, disease pressure, and turf grass management practices.

Calibrate sprayer prior to use.

Apply after mowing or allow area to dry prior to mowing or irrigation.

Apply **Cadence WDG Fungicide** using sufficient water volume and pressure for adequate coverage of the foliage.

Apply the recommended rate of **Cadence WDG Fungicide** with ground spray equipment only.

TANK MIXING

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 BASF Canada Inc. at 1-877-371-2273 for information before mixing any pesticide that is not specifically recommended on this label.

Physical incompatibility, reduced disease control or turf injury may result from mixing **Cadence WDG Fungicide** 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.

Table 1. Application Rates and Intervals for Turf Grass³

Disease (Pathogen)	Use Rate (grams/ 100 sq. m.)	Use Rate (grams/ha)	Application Interval (days)
Dollar spot ^{1,2} (<i>Sclerotinia homoeocarpa</i>)	3.2 - 4.0	320 - 400	14
	5.6	560	28

¹ **DO NOT** apply more than two (2) sequential applications of **Cadence WDG Fungicide** for control of dollar spot.

² **DO NOT** apply more than 2.4 kilograms of product per hectare per year.

³ Apply prior to or in early stages of disease development.

DO NOT apply during periods of dead calm or when winds are gusty. **DO NOT** over spray non-target terrestrial or aquatic habitats. **DO NOT** contaminate aquatic habitats when cleaning and rinsing spray equipment or containers.

Spray Buffer zones

Use of the following spray methods or equipment **DO NOT** require a spray buffer zone: hand-held or backpack sprayer, inter-row hooded sprayer, spot treatment, soil drench and soil incorporation.

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, rangelands, riparian areas and shrublands) and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of Application	Crop	Spray Buffer Zones (metres) Required for the Protection of:		
		Freshwater Habitat of Depths:		Terrestrial Habitat
		Less than 1 m	Greater than 1 m	
Field sprayer	Turf	1	0	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 (ASAE) category indicated on the labels for those tank mix partners.

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

ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE. **DO NOT** apply to areas where runoff is likely to occur. Site characteristics that may lead to runoff following heavy rainfall include, but are not limited to: a moderate to steep slope, bare soil, poorly drained soils (e.g. soils that are compacted or fine textured). If rainfall is imminent, delay application. Boscalid is persistent and will carry over; it is recommended that the product, **Cadence WDG Fungicide** containing boscalid, not be used in areas treated with this product during the previous season.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that **Cadence WDG Fungicide** contains a Group 7 fungicide. Any fungal population may contain individuals naturally resistant to **Cadence WDG Fungicide** 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 locations. Other resistance mechanisms that are not linked to site of action but are 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 **Cadence WDG Fungicide** or other Group 7 fungicides with different groups that control the same pathogens.

Avoid application of consecutive sprays of **Cadence WDG Fungicide** or other fungicides in the same group in a season. Do not apply more than two (2) sequential applications of **Cadence WDG Fungicide** for control of dollar spot. Then alternate to an effective dollar spot fungicide with a different mode of action for at least two (2) applications.

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

Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and cover crop and considers cultural, biological and other chemical control practices.

Monitor efficacy of all fungicides used in the disease management program against the targeted pathogen and record other factors that may influence fungicide performance and/or disease development.

If **Cadence WDG Fungicide** appears to be less or no longer effective against a pathogen that it previously controlled or suppressed, contact a BASF-representative, local extension specialist, or certified crop advisor to assist in determining the cause of reduced performance. For further information, contact BASF Canada Inc. at 1-877-371-2273 or at www.betterturf.ca.

MIXING

1. Ensure the spray tank is clean before use. Follow the clean-out recommendations stated on the label of the product that was previously used.
2. Fill the spray tank one-half full of water and start agitation.
3. Add the required amount of **Cadence WDG Fungicide** to the tank.
4. Add the required amount of the tank mix partner, if required.
5. Continue agitation while filling the remainder of the spray tank.
6. After use, clean the spray tank according to PRECAUTIONS.

RESTRICTIONS AND LIMITATIONS

1. **DO NOT** enter or allow others to enter treated area until spray has dried.
2. **DO NOT** apply more than a total of 24 g of **Cadence WDG Fungicide** per 100 sq. metres (2.4 kilograms per hectare) per season.
3. **DO NOT** apply **Cadence WDG Fungicide** to crops other than golf course turf grass.
4. **DO NOT** apply **Cadence WDG Fungicide** through any type of irrigation equipment.

PRECAUTIONS

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2. **DO NOT** take internally. Harmful if swallowed.
3. **DO NOT** get in eyes. Causes eye irritation. Avoid contact with eyes, skin and clothing.

4. Wash exposed areas of skin thoroughly after handling and before eating, drinking or smoking.
5. Wear long-sleeved shirt, long pants and chemical resistant gloves during mixing, loading, application, clean up and repair.
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