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GROUP	7	FUNGICIDE
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**CADENCE® WDG FUNGICIDE**

**WETTABLE GRANULES**

For disease control on golf course turf grass

**COMMERCIAL (AGRICULTURAL)**

**GUARANTEE:** Boscalid ... 70%

**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**

Warning, contains the allergen sulfites

**KEEP OUT OF REACH OF CHILDREN**

**NET CONTENTS:** 162 g

BASF Canada Inc.  
100 Milverton Drive  
5th Floor  
Mississauga, Ontario  
L5R 4H1

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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.

**Table 1. Application Rates and Intervals for Turf Grass<sup>3</sup>**

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

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

<sup>2</sup> **DO NOT** apply more than 2.4 kilograms of product per hectare per year.

<sup>3</sup> 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.

#### Buffer zones

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

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, 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	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

\* 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 labelled 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 labelled buffer zone can be reduced by 30%.

#### ENVIRONMENTAL HAZARDS

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.

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.

## 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. Continue agitation while filling the remainder of the spray tank.
5. 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

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.

## **DISPOSAL**

**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.

## **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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