

## **TURF: BROWN RING/WAITEA PATCH**

### General Information

#### GENERAL INFORMATION

DISARM G Fungicide is a broad-spectrum xylem systemic fungicide for the control of certain diseases in turf and ornamentals. DISARM G Fungicide works by interfering with respiration in plant-pathogenic fungi, and is a potent inhibitor of spore germination and mycelial growth. The active ingredient, fluoxastrobin, moves rapidly into green tissue via translaminar and xylem movement. Roots of plants take up the active ingredient where it is translocated throughout the xylem of plants to provide internal inhibition of fungal growth and protect the plant from new infections. The broad spectrum of activity of DISARM G Fungicide makes it an excellent choice as the foundation fungicide for turf and ornamental disease management programs. Other labeled fungicides can be used in alternation with DISARM G Fungicide to cover all the major fungal diseases that attack most, if not all, major turfgrass and ornamental species.

UNDER CERTAIN CONDITIONS CONDUCIVE TO EXTENDED INFECTION PERIODS, ADDITIONAL FUNGICIDE APPLICATIONS BEYOND THE NUMBER ALLOWED BY THIS LABEL MAY BE NEEDED. UNDER THESE CONDITIONS, USE ANOTHER FUNGICIDE REGISTERED FOR THE DISEASE.

#### RESISTANCE MANAGEMENT

The active ingredient in DISARM G Fungicide (fluoxastrobin) belongs to the strobilurin class of chemistry which exhibits no known cross-resistance to other chemical classes including sterol inhibitors, dicarboximides, benzimidazoles, anilinopyrimidines, or phenylamides. Fluoxastrobin exhibits cross-resistance to other QoI fungicides, such as: trifloxystrobin, azoxystrobin, and kresoxim-methyl (Group 11 fungicides). Certain fungal pathogens are known to develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, the use of this product should conform to resistance management strategies established for turf. Such strategies may include rotating and/or tank-mixing with products having different modes of action, or limiting the total number of applications per season. Arysta LifeScience encourages responsible resistance management to ensure effective long-term control of the

fungal diseases on this label.

Follow specific recommendations that limit the total number of applications on turf and the required alternations with fungicides from other resistance management groups. In situations requiring multiple fungicide applications, develop season-long spray programs for using Group 11 (QoI-containing) fungicides with the following guidelines. Turf pathogens that cause Dollar Spot, Gray Leaf Spot, Anthracnose, and Pythium Blight are known to have the capacity to develop resistant populations with the repeated use of a single fungicide or a single class of fungicide chemistry.

1. When using a Group 11 fungicide alone, the number of applications made for control of at risk diseases should be no more than one third of the total number of fungicide applications per season.
2. In programs where tank mixes or pre-mixes of a Group 11 fungicide with a fungicide of another Group are utilized, the number of Group 11 fungicide applications made for control of at risk diseases should be no more than one half of the total number of fungicide applications per season.
3. In programs where applications of Group 11 fungicides are made with both solo products and mixtures, the number of Group 11 fungicide applications made for control of at risk diseases should be no more than one half of the total number of fungicide applications per season.

#### APPLICATION GUIDELINES

Uniform application is necessary to provide good disease control. Calibrate granule application equipment before use.

**PLANT SAFETY:** DISARM G Fungicide has been shown to be safe when applied to the ornamental plants listed in the table in the label. However, due to the large number of genera, species and varieties of ornamental and nursery plants, it is impossible to test every variety or cultivar for tolerance to DISARM G Fungicide. Neither the manufacturer nor the seller has determined whether or not DISARM G Fungicide can be used safely on genera, species, or varieties of ornamental and nursery plants not specified on this label. The professional user should conduct small scale testing to insure plant safety prior to broad scale commercial use on plant genera and species not listed in this label.

NOTE: DO NOT USE DISARM G FUNGICIDE ON LEATHERLEAF FERN OR OTHER FERNS GROWN UNDER NATURAL OR ARTIFICIAL SHADE.

See label for the GRANULAR SPREADER SETTINGS.

Note: Spreader settings are approximate starting points for calibrating equipment.

Limitations, Restrictions, and Exceptions

#### USE DIRECTIONS FOR TURF

DISARM G Fungicide provides control of many important diseases in turf including but not limited to species of Bentgrass, Kentucky Bluegrass, Annual Bluegrass, Fescue, Ryegrass, Bermudagrass, St. Augustinegrass and Zoysiagrass. DISARM G Fungicide should be used in conjunction with cultural practices that promote healthy, vigorous turf. These practices include nutrient management, thatch management, water management and judicious use of other pesticides.

For use in the establishment of turfgrass from seed or in overseeding of dormant turfgrass:

DISARM G Fungicide may be used for control of certain turfgrass diseases associated with turfgrass establishment from seed. DISARM G Fungicide may also be used during overseeding of dormant turfgrass.

DISARM G Fungicide may be safely applied before or after seeding or at seedling germination and emergence to ryegrass, bentgrass, bluegrass, fescue, and other turfgrasses. Optimum application timing for control of seedling diseases is just prior to, during or just after seeding.

Rate Ranges: Use the shorter specified application interval and/or the higher specified rate when prolonged favorable disease conditions exist.

#### Remarks

- Apply when conditions are favorable for disease development..
- Not for use in California.

Retreatment Interval (days): 14-28

#### Restrictions and Other Information

- Do not apply more than 880 lb (2.2 lb ai) of DISARM G Fungicide per acre per year,

or no more than 5.7 lb/1,000 sq ft per application.

- There is a maximum number of 4 applications per season. Refer to the Directions for Use for the minimum retreatment interval for each disease.
- Under conditions of high disease pressure, use the higher rates, the shortest application interval or both.
- For soil-borne diseases, use sufficient water to move the active ingredient into the crown and upper root zone.

Method

[Broadcast](#)

Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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Restricted Entry Interval

12 hours

Timings

[When conditions are favorable for disease development.](#)