

## **TURF GROUP B: GOLF COURSE TEES AND GREENS - PYTHIUM ROOT DYSFUNCTION (APPLICATION INTERVAL: 7-28 DAYS)**

### General Information

#### PRODUCT INFORMATION

Fluoxastrobin, (Group 11 fungicide); one of the active ingredients in DISARM C FUNGICIDE is a broad-spectrum fungicide for the control of certain diseases in turf. DISARM C FUNGICIDE works by interfering with respiration in plant-pathogenic fungi, and is a potent inhibitor of spore germination and mycelial growth.

Chlorothalonil, (Group M5 fungicide), the other active ingredient in DISARM C FUNGICIDE, is a multi-site inhibitor of fungal pathogens and no known resistance to this ingredient has developed in over 40 years of use.

#### RESISTANCE MANAGEMENT

The combination of fluoxastrobin with chlorothalonil provides a built in resistance management tool that is commonly accepted as a valid resistance management strategy for many fungal pathogens.

#### APPLICATION GUIDELINES

##### Broadcast Ground Sprayers

Thorough coverage is necessary to provide good disease control. Applications using sufficient water volume to provide thorough and uniform coverage provide the most effective disease control, 43-174 gallons per acre (1-4 gal per 1,000 sq ft recommended).

Equip sprayers with nozzles that provide accurate and uniform application. Be certain that nozzles are the same size and uniformly spaced across the boom. Calibrate the sprayer before use. Use a pump with the capacity to: (1) maintain a minimum of 35 psi at nozzles, and (2) provide sufficient agitation in the tank to keep the mixture in suspension (this requires recirculation of 10% of the tank volume per minute). Use jet agitators or a liquid sparge tube for vigorous agitation. Use screens to protect the pump and to prevent nozzles from clog-ging. Screens

placed on the suction side of the pump should be 16-mesh or coarser. Do not place a screen in the recirculation line. Use 50-mesh screens at the nozzles. Check nozzle manufacturer's recommendations. For information on spray equipment and calibration, consult sprayer manufacturer's and/or state recommendations. For specific local directions and spray schedules, consult the current state agricultural experiment station recommendations.

NOTE: When treatment with DISARM C FUNGICIDE has been completed, further field irrigation over the treated area should be avoided for 24 hours to prevent washing the chemical off the turf.

#### USE DIRECTIONS FOR TURF

DISARM C 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 C 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 C FUNGICIDE may be used for control of certain turfgrass diseases associated with turfgrass establishment from seed. DISARM C FUNGICIDE may also be used during overseeding of dormant turfgrass and to established overseeded stands of turf.

DISARM C 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 and Spray Volumes: Use the shorter specified application interval and/or the higher specified rate when prolonged favorable disease conditions exist. For ground application equipment, 43-174 gal/A (1-4 gal/1, 000 sq ft) is recommended.

## GENERAL PRECAUTIONS AND RESTRICTIONS

Use of this product on home lawns is prohibited.

**Agricultural Use Sites Only:** This product must not be applied within 150 feet (for aerial applications) or 25 feet (for ground applications) of marine/estuarine water bodies unless there is an untreated buffer area of that width between the area to be treated and the water body.

Do not use on home lawns and turf sites associated with apartment buildings, day-care centers, playgrounds, playfields, recreational park athletic fields, athletic fields located on or next to schools (i.e., elementary, middle and high schools), campgrounds, churches, and theme parks.

Do not combine DISARM C FUNGICIDE in the spray tank with pesticides, surfactants or fertilizers, unless prior use has shown the combination physically compatible, effective and noninjurious under your conditions of use. Do not combine DISARM C FUNGICIDE with DiPel or Latron B-1956 as phytotoxicity may result from the combination when applied to some species.

The required amount of DISARM C FUNGICIDE must be added slowly into the spray tank during filling.

**Turf Group A Restrictions:** For Golf Course Fairways, Sod Farms, Lawns around Industrial buildings.

Because DISARM C FUNGICIDE contains the active ingredient chlorothalonil, the following restrictions apply to the use of DISARM C FUNGICIDE.

The minimum application interval for rates up to 14.6 pt/A (5.4 fl oz/1,000 sq ft) of DISARM C FUNGICIDE is 7 days.

The minimum application interval for rates greater than 14.6 pt/A (5.4 fl oz/1,000 sq ft) of DISARM C FUNGICIDE is 14 days.

**For Golf Course Fairways:**

The maximum single application rate is 14.6 pt/A (5.4 fl oz/1,000 sq ft) of DISARM C FUNGICIDE. (7.3 lb ai/A)

DO NOT apply more than 52.0 pt/A (19.1 fl oz/1,000 sq ft) of DISARM C FUNGICIDE per growing season. (26 lb ai/A)

For Sodfarms:

The maximum single application rate is 26 pt/A (9.5 fl oz/1,000 sq ft) of DISARM C FUNGICIDE (13 lb ai/A/season).

DO NOT apply more than 26 pt/A (9.5 fl oz/1,000 sq ft) of DISARM C FUNGICIDE per growing season. (13 lb ai/A)

For Lawns around Industrial Buildings

The maximum single application rate is 16.4 pt/A (6.0 fl oz/1,000 sq ft) of DISARM C FUNGICIDE (8.2 lb ai/A) or a one time application of 22.6 pt/A (8.3 fl oz/1,000 sq f) (11.3 lb ai/A).

DO NOT apply more than 52.0 pt/A (19.1 fl oz/1,000 sq ft) of DISARM C FUNGICIDE per growing season (26 lb ai/A).

Apply DISARM C FUNGICIDE in 43.5–174 gallons of water per acre. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Under severe disease conditions use the highest rate and shortest interval corresponding with the application schedule selected from the table below.

For control of foliar diseases DO NOT mow or water after treatment until spray deposited on turfgrass is thoroughly dry. For control root diseases water in with enough water to move the fungicide into the thatch/root zone.

Sod farm turf treated with DISARM C FUNGICIDE less than seven days prior to harvest must be mechanically cut, rolled and harvested.

Turf Group B restrictions: For Golf Course Tees and Greens:

Because DISARM C FUNGICIDE contains the active ingredient chlorothalonil, the following restrictions apply to the use of DISARM C FUNGICIDE.

The minimum application interval for rates up to 14.6 pt/A (5.4 fl oz/1,000 sq ft) of DISARM C FUNGICIDE is 7 days.

The minimum application interval for rates greater than 14.6 pt/A (5.4 fl oz/1,000 sq ft) of DISARM C FUNGICIDE is 14 days.

DO NOT make more than two applications at a rate greater than 14.6 pt/A (5.4 fl oz/1,000 sq ft) of DISARM C FUNGICIDE per growing season.

DO NOT apply more than 70.4 pt/A (25.8 fl oz/1,000 sq ft) of DISARM C FUNGICIDE per growing season.

The maximum single application rate is 16 pt/A (6.3 fl oz/1,000 sq ft) of DISARM C FUNGICIDE.

Apply DISARM C FUNGICIDE in 43.5–174 gallons of water per acre. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Under severe disease conditions use the highest rate and shortest interval corresponding with the application schedule selected from the label.

For control of foliar diseases DO NOT mow or water after treatment until spray deposited on turfgrass is thoroughly dry. For control root diseases water in with enough water to move the fungicide into the thatch/root zone.

#### General Turf Restrictions and Other Information

1. See RESISTANCE MANAGEMENT section when using DISARM C FUNGICIDE for control of these diseases.
2. Use of this product on home lawns is prohibited.

#### Limitations, Restrictions, and Exceptions

##### GOLF COURSE TEES AND GREENS

Because DISARM C FUNGICIDE contains the active ingredient chlorothalonil, the following restrictions apply to the use of DISARM C FUNGICIDE.

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For control of foliar diseases DO NOT mow or water after treatment until spray deposited on turfgrass is thoroughly dry. For control root diseases water in with enough water to move the fungicide into the thatch/root zone.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Rates

[field rates 0](#)

[field rates 1](#)

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Restricted Entry Interval

12 hours

Timings

[When conditions are favorable for disease development \(when daily soil temperatures are between 50°F and 75°F.\)](#)