

66330-388

10/26/11

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

OCT 26 2011

W. A. Hawkins, Jr. Ph.D  
Arysta LifeScience North America, LLC  
15401 Weston Parkway, Suite 150  
Cary, NC 27513

Subject: Application for Pesticide Notification (PRN 98-10)  
Submission Date: 9/26/11  
Product Name: Fluoxastrobin - Myclobutanil SC  
EPA Reg. No.: 66330-388  
EPA Decision Number: 456052

Dear Mr. Hawkins:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10.

The Agency acknowledges the addition of four turf diseases, the statement "Not for use in California" for one of the turf diseases, and other minor formatting changes to the label.

The label submitted with the application has been stamped "Notification" and will be placed in our records. If you have questions concerning this letter, please contact Heather Garvie at 703-308-0034 or me at 703-308-3194.

Sincerely,

A handwritten signature in black ink, which appears to read "Shaja B. Joyner", is written over the typed name.

Shaja Joyner  
Product Manager 20  
Fungicide Branch  
Registration Division (7505P)

**EPA**

United States  
**Environmental Protection Agency**  
 Washington, DC 20460

☐ **Registration**  
☐ **Amendment**  
☒ **Other:**

**NOTIFICATION**

OPP Identifier Number  
**OCT 26 2011**

**Application for Pesticide - Section I**

1. Company/Product Number <b>66330-388</b>	2. EPA Product Manager <b>Shaja B. Joyner</b>	3. Proposed Classification  <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>FLUOXASTROBIN - MYCLOBUTANIL SC Fungicide</b>	PM# <b>20</b>	
5. Name and Address of Applicant (Include ZIP Code)  <b>Arysta LifeScience North America, LLC 15401 Weston Parkway, Suite 150 Cary, NC 27513</b>  <input type="checkbox"/> Check if this is a new address	6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below

**Explanation:** Use additional page(s) if necessary. (For Section I and Section II.)

Notification of addition of three new turf diseases per PR Notice 98-10.

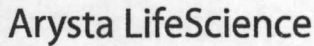
This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**There are no PRIA fees associated with this action. Contact: alex.hawkins@arystalifescience.com****Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
* <b>Certification must be submitted</b>		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify)	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name <b>W. A. Hawkins, Jr., Ph.D.</b>	Title <b>Regulatory Manager</b>	Telephone No. (Include Area Code) <b>919-678-4886</b>
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title <b>Regulatory Manager</b>	
4. Typed Name <b>W. A. Hawkins, Jr., Ph.D.</b>	5. Date <b>09/26/11</b>	





# NOTIFICATION

OCT 26 2011

GROUP 11 FUNGICIDE  
GROUP 03 FUNGICIDE

## FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE

For use to control diseases in turf on sod farms, golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

### Active Ingredients:

Fluoxastrobin*	15.81%
Myclobutanil	25.60%
Inert Ingredients	58.59%
Total	100.00%

\*(1E)-[2-[[6-(2-Chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime

### KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label find someone to explain it to you in detail.)

For PRODUCT USE Information Call 1-866-761-9397

# NOTIFICATION

OCT 26 2011

EPA Registration No. 66330-388  
EPA Est. No.

Manufactured for:  
ARYSTA LIFESCIENCE NORTH AMERICA, LLC  
15401 Weston Parkway, Suite 150  
Cary, NC 27513

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FIRST AID	
IF SWALLOWED:	Call a poison control center 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 center or doctor. Do not give anything by mouth to an unconscious person.
IF IN EYES:	Hold eyes 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 eyes. Call a poison control center 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 center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE: Call PROSAR at 1-866-303-6952 or 1-651-632-8946 if calling from outside the U.S. FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC at 1-800-434-9300 or 1-703-527-3887 if calling from outside of the U.S.	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear goggles or face shield. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks, goggles and chemical resistant gloves made of any waterproof material, such as nitrile, butyl, neoprene and/or barrier laminate. These are only some of the glove materials that are chemically resistant to this product. For more options, refer to category A on an EPA chemical resistance category selection chart.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### USER SAFETY RECOMMENDATIONS:

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing.

As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. The active ingredient in this product can be persistent for several months or longer. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark, or other sensitive areas that may be exposed to spray drift. Do not contaminate water when disposing of equipment washwater or rinsate.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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 any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

For use to control diseases in turf on sod farms, golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is: long-sleeved shirt and long pants or coveralls, shoes plus socks, and chemical resistant gloves made of any waterproof material, such as nitrile, butyl, neoprene, and / or barrier laminate.

**NON-AGRICULTURAL USE REQUIREMENTS**

THE REQUIREMENTS IN THIS BOX APPLY TO USES OF THIS PRODUCT THAT ARE NOT WITHIN THE SCOPE OF THE Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Keep unprotected people, children and pets off treated area until spray has dried.

**GENERAL INFORMATION**

FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE is a broad-spectrum fungicide for the control of certain diseases in turf. FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE works by interfering with respiration and cell wall synthesis in plant-pathogenic fungi, and is a potent inhibitor of spore germination and mycelial growth. The active ingredients, fluoxastrobin and myclobutanil, move rapidly into green tissue via translaminar movement and is rainfast in as little as fifteen minutes after application. Roots of plants also take up the active ingredients 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 FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE makes it an excellent choice as a broad spectrum, dual action fungicide for turf disease management programs. Other labeled fungicides can be used in tank mixture or alternated with FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE to cover all the major fungal diseases that attack most, if not all, major turfgrass 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 ingredients in FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE belong to the strobilurin (Group 11 Fungicides) and the dimethylase inhibitor (Group 03 Fungicides) classes of chemistry. The dual action of FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE results in a built in resistance management strategy that will minimize the resistance in at risk pathogens such as those that incite Dollar Spot, Anthracnose, Pythium Blight and Gray Leaf Spot.

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.

In programs in which FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE is used, the number of Group 11 fungicides (strobilurins) and Group 3 fungicides (dimethylase inhibitors) applications should be no more than one half of the total number of fungicide applications per season for at risk pathogens. Turf pathogens that have demonstrated the capacity to develop resistance to single site fungicides are those that cause Dollar Spot, Gray Leaf Spot, Pythium Blight and Anthracnose.

## 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 generally provide the most effective disease control. For ground application equipment, 10 gallons/A minimum is 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 clogging. 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.

### MIXING PROCEDURES

Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

**FUNGICIDE Alone:** Add 1/2 of the required amount of water to the mix tank. With the agitator running, add the FUNGICIDE to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the FUNGICIDE has completely and uniformly dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

**FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE + Tank-mix Partners:** Add 1/2 of the required amount of water to the mix tank. Start the agitator running before adding any tank-mix partners. In general, tank-mix partners should be added in this order: products packaged in water-soluble packaging (see note below), wettable powders, wettable granules, (dry flowables), liquid flowables (such as Fluoxastrobin - Myclobutanil SC FUNGICIDE), liquids, and emulsifiable concentrates. Always allow each tank-mix partner to become fully and uniformly dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

**Note:** When using FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE in tank-mixtures, all products in water-soluble packaging should be added to the tank before any other tank-mix partner, including Fluoxastrobin - Myclobutanil SC FUNGICIDE. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank-mix partner to the tank.

If using Fluoxastrobin - Myclobutanil SC FUNGICIDE in a tank-mixture, observe all directions for use, sites, use rates, dilution ratios, precautions, and limitations, which appear on the tank-mix product label. No label dosage rate may be exceeded, and the most restrictive label precautions and limitations must be followed. This product must not be mixed with any product that prohibits such mixing. Tank-mixtures or application of other products referenced on this label are permitted only in those states in which the referenced products are registered.

Fluoxastrobin - Myclobutanil SC FUNGICIDE is compatible with most insecticide, fungicide, and foliar nutrient products. However, the physical compatibility of v with tank-mix partners should be tested before use. To determine the physical compatibility of Fluoxastrobin - Myclobutanil SC FUNGICIDE with other products, use a jar test, as described below.

Using a quart jar, add the proportionate amounts of the products to 1 qt of water. Add wettable powders and water dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

The safety of all potential tank-mixes including additives and other pesticides on turf has not been tested. Before applying any tank-mixture not specifically recommended on this label, the safety to turf should be confirmed. To test for turf safety, apply Fluoxastrobin - Myclobutanil SC FUNGICIDE to turf in a small area and in accordance with label instructions.

#### USE DIRECTIONS FOR TURF

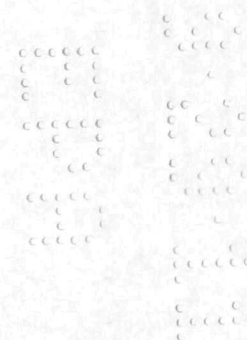
FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE provides control or suppression of several important diseases in turf. When reference is made to disease suppression, suppression can mean either erratic control from good to fair, or consistent control at a level below that obtained with the best commercial disease control products.

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

FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE may be used for control of certain turfgrass diseases associated with turfgrass establishment from seed. FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE may also be used during overseeding of dormant turfgrass.

FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE may be safely applied before or after seeding or at seedling germination and emergence to ryegrass, bentgrass, bluegrass, and fescue turfgrass types. Optimum application timing is during seeding. See Application Guidelines section.

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





# DIRECTIONS FOR APPLICATION TO TURF

Disease Controlled	Use Rate		Retreatment Interval (days)	Remarks
	fl oz product / Acre	fl oz product / 1,000 sq ft		
Anthracnose (Foliar Infection Phase) ( <i>Colletotrichum graminicola</i> )	10.9 - 43.5	0.25 - 1.0	14 - 28	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Anthracnose (Crown Rot Phase) ( <i>Colletotrichum graminicola</i> )	10.9 - 43.5	0.25 - 1.0	14 - 21	Use preventatively. Begin applications when conditions are favorable for disease development. Tank-mix with another fungicide labeled for control of Anthracnose.
Brown Patch ( <i>Rhizoctonia solani</i> )	10.9 - 43.5	0.25 - 1.0	14 - 28	Apply when conditions are favorable for disease development.
Brown Ring Patch/ Waitea Patch ( <i>Waitea circinata</i> var. <i>circinata</i> )	10.9 - 43.5	0.25 - 1.0	14 - 28	Apply when conditions are favorable for disease development.
Cool Weather Brown Patch (Yellow Patch) ( <i>Rhizoctonia cerealis</i> )	10.9 - 43.5	0.25 - 1.0	28	Make one or two preventive applications in fall or when conditions are favorable for disease development.
	21.75 - 43.5	0.5 - 1.0	28	Curative applications may be made in the spring if the disease appears.
Copper Spot ( <i>Gloeocercospora sorghi</i> )	10.9 - 43.5	0.25 - 1.0	14 - 21	Apply when conditions are favorable for disease development.
Dollar Spot ( <i>Sclerotinia homoeocarpa</i> )	10.9 - 43.5	0.25 - 1.0	14 - 21	Apply when conditions are favorable for disease development.
Fairy Ring ( <i>Lycoperdon</i> spp., <i>Agrocybe pediades</i> , and <i>Bovista plumbea</i> )	21.75 - 43.5	0.5 - 1.0	21 - 28	Apply as soon as fairy ring symptoms develop. Apply in 4 gal water per 1,000 sq ft or irrigate after application with ¼ inch water. A wetting agent may facilitate penetration.
Fusarium Blight* ( <i>Fusarium culmorum</i> )	10.9 - 43.5	0.25 - 1.0	14 - 28	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Fusarium Patch ( <i>Microdochium nivale</i> )	10.9 - 39	0.25 - 0.9	14 - 28	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Gray Leaf Spot ( <i>Pyricularia grisea</i> )	10.9 - 43.5	0.25 - 1.0	14 - 28	Begin applications before disease is present and continue applications while conditions are favorable for disease development.
Leaf Spot ( <i>Bipolaris sorokiniana</i> )	10.9 - 43.5	0.25 - 1.0	14 - 28	Apply when conditions are favorable for disease development.
Melting Out ( <i>Drechslera poae</i> )	10.9 - 43.5	0.25 - 1.0	14 - 28	Apply when conditions are favorable for disease development.

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Disease Controlled	Use Rate		Retreatment Interval (days)	Remarks
	fl oz product / Acre	fl oz product / 1,000 sq ft		
Necrotic Ring Spot ( <i>Leptosphaeria korrae</i> )	21.75 – 43.5	0.5 – 1.0	14 – 28	Apply when conditions are favorable for disease development.
Pink Snow Mold ( <i>Microdochium nivale</i> )	21.75 - 43.5	0.5 - 1.0	21 - 28	Make a single application prior to permanent snow cover.
Snow Mold, Typhula Blight ( <i>Typhula</i> spp)	21.75 - 43.5	0.5 - 1.0	21 - 28	Apply 1 to 2 applications prior to permanent snow cover.
Powdery Mildew ( <i>Erysiphe graminis</i> )	10.9 - 43.5	0.25 - 1.0	14 - 28	Apply at first sign of infection. Repeat as necessary.
Pythium Blight Pythium Root Rot ( <i>Pythium aphanidermatum</i> , <i>Pythium</i> spp.)	21.75 - 43.5	0.5 - 1.0	14	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development. During periods of prolonged favorable conditions, treat on the 14-day application interval. When conditions are favorable for heavy Pythium Blight pressure use this product in combination with another product registered for Pythium Blight control.
Pythium Damping Off ( <i>Pythium</i> spp.)	21.75 – 43.5	0.5 – 1.0	14	Apply uniformly to the seed bed before, during or just after seeding. Lightly irrigate after application. Repeat application if conditions remain favorable for disease.
Pythium Root Dysfunction ( <i>Pythium volutum</i> )	21.75 – 43.5	0.5 – 1.0	14 – 28	Apply when conditions are favorable for disease development (when mean daily soil temperatures are between 50°F and 75°F).
Red Thread ( <i>Laetisaria fuciformis</i> )	10.9 - 43.5	0.25 - 1.0	14 - 28	Apply when conditions are favorable for disease development.
Rust ( <i>Puccinia</i> spp.)	10.9 - 43.5	0.25 - 1.0	14 – 28	Apply at the first sign of infection or when conditions are favorable for disease development. Repeat as necessary.
Southern Blight ( <i>Sclerotium rolfsii</i> )	10.9 - 43.5	0.25 - 1.0	14 - 28	Apply when conditions are favorable for disease development.

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Disease Controlled	Use Rate		Retreatment Interval (days)	Remarks
	fl oz product / Acre	fl oz product / 1,000 sq ft		
Spring Dead Spot ( <i>Leptosphaeria korrae</i> or <i>Gaeumannomyces graminis</i> var <i>graminis</i> or <i>Ophiosphaerella herpotricha</i> )	21.75 - 43.5	0.5 - 1.0	14 - 28	Apply 1 or 2 applications approximately one month prior to Bermudagrass dormancy. 1/4" to 1/2" of irrigation directly after application is recommended. Reapply 14 to 28 days later.
Summer Patch ( <i>Magnaporthe poae</i> )	10.9 - 43.5	0.25 - 1.0	14 - 28	Apply when conditions are favorable for disease development.
Take-All Patch ( <i>Gaeumannomyces graminis</i> var <i>avenae</i> )	21.75 - 43.5	0.5 - 1.0	28	Begin applications before disease is present and continue applications while conditions are favorable for disease development. Make two applications, 28 days apart in the spring and two applications 28 days apart in the fall.
Zoysia Patch Large Patch of Zoysia ( <i>Rhizoctonia solani</i> and/or <i>Gaeumannomyces</i> spp.)	21.75 - 43.5	0.5 - 1.0	21 - 28	Make 1 - 2 applications in the fall before dormancy or 1-2 applications in the spring. Consult with local turfgrass experts for optimum timing in your area.

\*Not for use in California.

#### Restrictions and Other Information

Do not apply more than 11.7 pt (2.18 lb ai fluoxastrobin and 3.53 lb myclobutanil) of FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE per acre per year, or more than 1.0 fl oz/1,000 sq ft per application.

**Not for home owner use.** May only be applied to residential turf by a certified pest control operator. For soil-borne diseases, use sufficient water to move the active ingredient into the crown and upper root zone.

#### SPRAY DRIFT

**SENSITIVE AREAS:** This pesticide must only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, and known habitats for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather -related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

#### DIRECTIONS FOR USE THROUGH SPRINKLER IRRIGATION SYSTEMS

Apply this product only through overhead sprinkler irrigation systems including center pivot, microjet, wheel lines, lateral move, side roll, or overhead solid set irrigation systems. Do not apply this product through any other type of irrigation system. Reduced effectiveness in turf can result from non-uniform distribution of treated irrigation water.



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If you have questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers or other irrigation experts.

**SPRAY PREPARATION:** Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

**APPLICATION INSTRUCTIONS:** First prepare a suspension of FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE in a mix tank. Fill tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE and then the remaining volume of water. Then set sprinkler to deliver no more than 0.4 inch of water per acre. Start sprinkler and uniformly inject the suspension of FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE into the irrigation water line to deliver the desired rate per acre. The suspension of FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. If you should have any other questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

**NOTE:** When treatment with FLUOXASTROBIN - MYCLOBUTANIL SC 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.

#### **CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS**

1. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

#### **SPECIAL PRECAUTIONS FOR CHEMIGATION THROUGH SPRINKLER IRRIGATION SYSTEMS**

1. Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension.
2. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute solution per unit time.
3. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
4. The pesticide injection pipeline must contain a functional, automatic, quick-dosing check valve to prevent the flow of fluid back toward the injection pump.

5. The pesticide injection pipeline must also contain a functional, normally dosed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown.
6. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
7. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
8. Systems must use a metering pump, such as a positive displacement injection pump (e. g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
9. Do not apply when wind speed favors drift beyond the area intended for treatment. If you are unsure of wind conditions, contact your local extension agent.
10. Do not apply when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained. Reduced effectiveness may result from non-uniform distribution of treated water.
11. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation, or under supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
12. Do not connect an irrigation system used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

#### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

##### **PESTICIDE STORAGE**

Store in original container and keep tightly dosed. Store in a cool dry place.

For help with any spill, leak, fire or exposure involving this material, call CHEMTREC day or night at (703) 527-3887 or 1-800-424-9300.

##### **PESTICIDE DISPOSAL**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

##### **CONTAINER DISPOSAL**

###### **Nonrefillable Containers equal to or less than 5 gallons:**

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

###### **Nonrefillable Containers greater than 5 gallons:**

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll back and forth ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Refillable containers:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.



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### Warranty and Disclaimer Statement

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, LLC ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above.

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.**

FLUOXASTROBIN - MYCLOBUTANIL SC FUNGICIDE (Master) AD061809, Notification 09/22/11

