UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Bill Washburn
Arysta LifeScience North America Corporation
15401 Weston Parkway, Suite 150
Cary, North Carolina 27513

APR 23 2010

Subject: Disarm™ G Fungicide
EPA Registration Number 66330-380
Decision D418120: Your amended master label amendment submitted August 4, 2009 that removes the homeowner turf use restriction

Dear Mr. Washburn,

The amended master label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable, provided that you comply with the following conditions.

1. Make the following changes to the label.

a. Immediately above the second paragraph in the "PERSONAL PROTECTIVE EQUIPMENT (PPE)" section on page 2 place the title "**User Safety Requirements**" in bold font. Enclose this title and the paragraph in a text box.

b. Change the start of the last sentence in the "CONDITIONS OF SALE" section on the last page from "Except as stated in 1. above, to the extent permitted by law..." to "Except as stated in 1. above, to the extent permitted by applicable law..."

2. Submit one copy of your final printed labeling before you release the product for shipment.

3. Submit to the Agency, within 60 days, a composite master label that contains the contents of the master label for the subject product that was accepted with comment on December 22, 2009 and the instant accepted-with-comments label, appropriately blended together.

If these conditions are not complied with, the registration may be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

We also note that the container disposal section must be brought into compliance with the container/containment regulations in Pesticide Regulation Notice 2007-4 that take effect on August 17, 2010.

If you have any questions about this letter, please contact John Bazuin at (703)305-7381 or bazuin.john@epa.gov.

Sincerely yours,

Lisa Jones FOR

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

Attachments: Master label stamped "ACCEPTED with COMMENTS"

ACCEPTED
with COMMENTS
In EPA Letter Dated:

APR 23 2010
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No.
66330-380

GROUP 11 FUNGICIDE

DISARM™ G Fungicide

For Turf Uses

ACTIVE INGREDIENT:

Fluoxastrobin: [(1*E*)-[2-[[6-(2-Chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy] phenyl] 5,6-dihydro-1,4,2-dioxazin-3-yl) methanone-O-methyloxime]..... **0.25%**

INERT INGREDIENTS: **99.75%**

..... **TOTAL: 100.0%**

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

Produced for:
Arysta LifeScience North America Corporation
15401 Weston Parkway, Suite 150
Cary, NC 27513

EPA Reg. No. 66330-380
EPA EST. No. AD091608

NET WEIGHT:_____

FIRST AID	
IF ON SKIN: OR CLOTHING	• Take off contaminated clothing. • Rinse skin with plenty of water for 15–20 minutes. • Get medical attention if irritation persists.
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. • Call a physician if irritation persists.
IF SWALLOWED:	• Call a poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Have person sip a glass of water if able to swallow.
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: Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wear protective eye wear. 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, 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 thoroughly with soap and water after handling and 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 12 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 children and pets out of treated area until dust has settled.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Store in original container and keep tightly closed. 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

Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then dispose of bag in a sanitary landfill or by incineration, or (if allowed by State and local authorities) by burning. If burned, stay out of smoke. Offer for recycling if available.

GENERAL INFORMATION

DISARM™ G Fungicide is a broad-spectrum fungicide for the control of certain diseases in turf. **DISARM G** works by interfering with respiration in plant-pathogenic fungi, and is a potent inhibitor of spore germination and mycelial growth.

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** (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 applicator equipment before use.

USE DIRECTIONS FOR TURF

DISARM G provides control of many important diseases in turf. DISARM G 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 fungicides and cultural practices.

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

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

DISARM G 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.

DIRECTIONS FOR APPLICATION TO TURF

Disease Control	DISARM G Use Rates		Retreatment Interval (days)	Remarks
	Lbs. Product / Acre	Lbs. Product / 1,000 sq. ft.		
Anthracnose* (Foliar Infection Phase) *(Colletotrichum graminicola)*	**100-200**	**2.3 - 4.6**	14 - 28	Use preventatively. Begin applications when conditions are favorable for disease development. Under severe conditions tank-mix with another fungicide labeled for control of Anthracnose.
Anthracnose* (Crown Rot Phase) *(Colletotrichum graminicola)*	**100-200**	**2.3-4.6**	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 *(Rhizoctonia solani)*	**50-200**	**1.2-4.6**	14 - 28	Apply when conditions are favorable for disease development.
Cool Weather Brown Patch Yellow Patch *(Rhizoctonia cerealis)*	**100-200**	**2.3-4.6**	14 - 28	Make one or two applications in fall or when conditions are favorable for disease development.
Dollar Spot* *(Sclerotinia homoeocarpa)*	**100-200**	**2.3-4.6**	14 – 21	**DISARM G** provides preventive control of light to moderate dollar spot pressure when used to control other diseases. Under heavy dollar spot pressure or where dollar spot is the only target use the high rate in combination with or in alternation with other fungicides labeled for control of Dollar Spot.
Fairy Ring *(Basidiomycete fungi)*	**100-200**	**2.3-4.6**	28	Apply where Fairy Rings have been observed in the past or at the first sign of fairy ring development. Irrigate after application to move the fungicide into the root zone. Repeat as necessary.

Disease Control	DISARM G Use Rates		Retreatment Interval (days)	Remarks
	Lbs. Product / Acre	Lbs. Product / 1,000 sq. ft.		
Gray Leaf Spot* *(Pyricularia grisea)*	**100-200**	**2.3-4.6**	14 - 28	Begin applications before disease is present. Under heavy disease pressure use in combination with other fungicides labeled for control of Gray Leaf Spot.
Leaf Spot *(Bipolaris sorokiniana)*	100-200	2.3-4.6	14 - 21	Apply when conditions are favorable for disease development.
Melting Out *(Drechslera poae)*	100-200	2.3-4.6	14 - 21	Apply when conditions are favorable for disease development.
Microdochium (Fusarium) Patch *(Microdochium nivale)*	100-200	2.3-4.6	14 - 28	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Pink Patch *(Limonomyces roseipellis)*	100-200	2.3-4.6	14 - 28	Apply when conditions are favorable for disease development.
Powdery Mildew *(Erysiphe graminis)*	100-200	2.3-4.6	14 - 28	Apply at first sign of infection. Repeat as necessary.
Pythium Blight * *(Pythium aphanidermatum)*	100-200	2.3-4.6	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 **DISARM G** in combination or alternation with another product registered for Pythium Blight control.
Pythium Root Rot *(Pythium spp.)*	100-200	2.3-4.6	14	Apply when conditions are favorable for disease development.

Disease Control	DISARM G Use Rates		Retreatment Interval (days)	Remarks
	Lbs. Product / Acre	Lbs. Product / 1,000 sq. ft.		
Pythium Damping Off *(Pythium spp.)*	100-200	2.3-4.6	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.
Red Thread *(Laetisaria fuciformis)*	100-200	2.3-4.6	14 - 28	Apply when conditions are favorable for disease development.
Rust *(Puccinia spp.)*	100-200	2.3-4.6	14 – 28	Apply at the first sign of infection or when conditions are favorable for disease development. Repeat as necessary.
Snow Mold, Pink *(Microdochium nivale)*	100-200	2.3-4.6	28	Apply 1 to 2 applications prior to permanent snow cover.
Snow Mold, Typhula Blight *(Typhula incarnata)*	100-200	2.3-4.6	28	
Southern Blight *(Sclerotium rolfsii)*	100-200	2.3-4.6	14 - 28	Apply when conditions are favorable for disease development.
Spring Dead Spot *(Leptosphaeria korrae)* or *(Gaeumannomyces graminis var. graminis)* or *(Ophiosphaerella herpotricha)*	100-200	2.3-4.6	14 - 28	Apply 1 or 2 applications approximately one month prior to Bermudagrass dormancy. Apply ¼" to ½" of irrigation after application.
Summer Patch *(Magnaporthe poae)*	100-200	2.3-4.6	14 - 28	Start applications in the spring when soil temperatures at 2" depth reach 60 - 65° F or as prescribed by local turf specialists.
Take-All Patch *(Gaeumannomyces graminis var. avenae)*	100-200	2.3-4.6	28	Begin applications before disease is present and continue applications while conditions are favorable for disease development. Make two applications in the spring and two applications in the fall.

Disease Control	DISARM G Use Rates		Retreatment Interval (days)	Remarks
	Lbs. Product / Acre	Lbs. Product / 1,000 sq. ft.		
Zoysia Patch Large Patch of Zoysia *(Rhizoctonia solani* and/or *Gaeumannomyces spp.)*	100-200	2.3-4.6	14 - 28	Make 1 – 2 applications in the fall before dormancy. Consult with local turfgrass experts for optimum timing in your area.

*See **RESISTANCE MANAGEMENT** section when using **DISARM G** for control of these diseases.

Restrictions and Other Information

- Do not apply more than 880 lbs (2.2 lbs a.i.) of **DISARM G** per acre per year, or no more than 5.7 lbs/1,000 sq ft per application.
- There is a maximum number of 4 applications per season, and a minimum interval of 21 days between applications.
- 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.

Spreader	GRANULAR SPREADER SETTINGS		
	2 lb/1000 sq. ft.	3 lb/ 1000 sq. ft.	4 lb/1000 sq.ft.
Cyclone	3	4	4 ¼
Lely	3 II	4 II	5 II
Lesco	10	15	16
Scotts R8A/SR-1	I	K	L
Spyker	3	3 ½	4 ¼
Vicon	20	22	23

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

CONDITIONS OF SALE

1. Arysta LifeScience North America Corporation ("Arysta") warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use.
2. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Arysta. **ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. TO THE EXTENT PERMITTED BY LAW, SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM OR IN CONNECTION WITH THE MANUFACTURE, SALE, DELIVERY, USE, HANDLING OR STORAGE OF THIS PRODUCT. TO THE EXTENT PERMITTED BY LAW, SELLER'S LIABILITY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. ARYSTA DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.**
3. Critical and unforeseeable factors beyond Arysta's control prevent Arysta from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which the product is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated on the label and even though label directions are followed. Except as stated in 1. above, to the extent permitted by law, by purchasing, accepting and using this product, the buyer and user acknowledge and assume all risks and liability resulting from handling, storage, and use of this product.