

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

July 30, 2020

Patricia McFadden Registration Manager Sipcam Agro USA, Inc. 2525 Meridian Parkway, Suite 350 Durham, NC 27713

Subject: Label Amendment – Azoxystrobin ID changes, Resistance Management Updates,

ABNs, pest updates, etc.

Product Name: Azoxystrobin 200 g/L + Tebuconazole 300 g/L SC Turf and

Ornamental Fungicide

EPA Registration Number: 60063-62

Application Dates: 6/17/2019 and 5/31/2019

Decision Numbers: 564967, 552500

#### Dear Ms. McFadden:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Azoxystrobin Interim Decision, and has concluded that your submission is acceptable."

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

The alternate brand names Adrenalyn, Adrenalyn ETQ Turf, Adrenalyn ETQ Fungcide has been added to the product record.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40

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CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact me by phone at 703-305-5410, or via email at johnson.hope@epa.gov.

Sincerely,

Hope Johnson, Product Manager 21 Fungicide Branch Registration Division (7505P) Office of Pesticide Programs

Enclosure

EPA Reg. No. 60063-62

ACCEPTED

Jul 30, 2020

Under the Federal Insecticide, Fungicide

and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 60063-62

Tebuconazole	GROUP	3	FUNGICIDE
Tebuconazore	OKOOI	3	TONOIOIDE
Azoxystrobin	GROUP	11	FUNGICIDE

[ ] indicates optional language

# Azoxystrobin 200 g/L + Tebuconazole 300 g/L SC Turf and Ornamental Fungicide

[ABNs: Adrenalyn Turf and Ornamental Fungicide, Adrenalyn ETQ Turf Fungicide, Adrenalyn Turf and Ornamental, Adrenalyn, Adrenalyn ETQ Turf]

ACTIVE INGREDIENTS:	% BY WT
Azoxystrobin: Methyl (E)-2-[[6-(2-cyanophenoxy-4-pyrimidinyl]alpha-methoxmethylene) benzeneacetate	18.2%
Tebuconazole: (+)-alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl-1 <i>H</i> -1,2,4-triazole-1-ethanol	27.3%
OTHER INGREDIENTS:	54.5%
TOTAL:	100.0%

Azoxystrobin 200 g/L + Tebuconazole 300 g/L SC Turf and Ornamental Fungicide is a suspension concentrate fungicide containing 2.55 lbs. Tebuconazole and 1.69 lbs. Azoxystrobin per gallon.

# KEEP OUT OF REACH OF CHILDREN WARNING / AVISO

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.)

FIRST AID				
IF SWALLOWED:	<ul> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have a person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>			
IF ON SKIN OR CLOTHING:	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>			
IF INHALED:	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further advice.</li> </ul>			
Have the product container or label with you when calling a poison control center or doctor or going for treatment.				
Emergency Phone Numbers (800) 424-9300 CHEMTREC (transportation and spills) (800) 222-1222 Poison Control Center				
EPA Reg. No. 6006 EPA Est. No.	3-62 Net Contents: [gallon] [gal.] [L] [lot number / label date code]			

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Lot number [begins with] [ends with] xx]

See additional Precautionary Statements and Directions for Use inside the booklet. Read the entire label before [opening the container] [using this product].

# OPTIONAL LABEL LANGUAGE THAT MAY APPEAR ON THE FRONT PANEL OF THE LABEL

[Application Type T[/O] [Turf] [& Ornamental]]

[Fungicide]

[Pull][Peel] back [book] [label] here]

[For control of listed diseases on Golf course turf; Field, Nursery, and Container Ornamentals; Commercial and Residential Landscape Ornamentals]

#### Manufactured for:

Sipcam Agro USA, Inc. 2525 Meridian Parkway Durham, NC 27713

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING.** May be fatal if swallowed. Harmful if absorbed through skin or if inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Human flagging is prohibited.

# PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### All handlers must wear:

- Long-sleeved shirt and long pants
- Water-proof gloves
- Shoes plus socks
- In addition, mixers/loaders/applicators using mechanically pressurized handwands, except when applying to nursery ornamentals and landscaping, must wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

Respirator fit testing, medical qualification, and training Using a program that conforms to OSHA's requirements (see 29 CFR Part), employers must verify that any handler who uses a respirator is:

- Fit-tested and fit-checked,
- Trained, and
- Examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn. A qualified medical practitioner is a physician or other licensed health care professional who will evaluate the ability of a worker to wear a respirator. The initial evaluation consists of a questionnaire that asks about medical conditions (such as a heart condition) that would be problematic for respirator use. if concerns are identified, then additional evaluations, such as a physical exam, might be necessary. The initial evaluation must be done before respirator use begins. Handlers must be reexamined by a qualified medical practitioner if their health status or respirator style or use- conditions change.

Upon request by local / state / federal / tribal enforcement personnel, employers must provide documentation demonstrating how they have complied with these requirements.

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

#### **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/PPE 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.

#### **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 requirement may be reduced or modified as specified in the WPS.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to mammals, fish, and aquatic invertebrates. **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean highwater mark. Runoff may be hazardous to aquatic organisms in neighboring areas. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

#### **Ground Water Advisory**

Azoxystrobin can be persistent for several months or longer. Azoxystrobin has degradation products which have properties similar to chemicals which are known to leach through soil to ground water under certain conditions as a result of agricultural use. Tebuconazole is known to leach through soil into ground water under certain conditions as a result of label use. Use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

# **Surface Water Advisory**

This product may contaminate water through drift of spray in wind. This product has high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

Notify state and/or Federal authorities and Sipcam Agro USA, Inc. immediately if you observe any adverse environmental effects due to use of this product.

## **DIRECTIONS FOR USE**

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

[For control of listed diseases on Golf course turf; Field, Nursery, and Container Ornamentals; Commercial and Residential Landscape Ornamentals]

Read entire label before using this product. **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.

Human flagging is prohibited.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL OR PLANT INJURY.

#### 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 (WPS) 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. The area treated must be vacated by unprotected persons.

**DO NOT** enter or allow others to enter until sprays have dried.

**DO NOT** treat areas while unprotected humans or domestic animals are present in the treatment area. Because certain States may require more restrictive entry intervals, consult your State Department of Agriculture for further information.

#### PRODUCT INFORMATION

This product has both systemic and curative properties and is effective against a wide range of organisms, providing preventative control of many significant plant diseases. Apply as a foliar spray or in tank mix combinations with other turf and ornamental products.

#### RESTRICTIONS

- OBSERVE THE FOLLOWING RESTRICTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, AND ESTUARIES:
  - Apply only during alternate years in sites adjacent to aquatic areas listed above.
  - o **DO NOT** apply by ground or air within 100 feet of aquatic areas listed above.
  - o **DO NOT** cultivate within 10 feet of an aquatic area to allow for growth of a vegetative filter strip
- **DO NOT** spray this product where spray drift may reach apple trees. **DO NOT** use spray equipment which has been previously used to apply this product to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity to certain apple and crabapple varieties.

# **PRECAUTIONS**

• This product is extremely phytotoxic to certain apple varieties. AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees and apple fruit.

# MANDATORY SPRAY DRIFT MANAGEMENT Groundboom Applications:

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

#### **SPRAY DRIFT ADVISORIES**

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

#### IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

### **Controlling Droplet Size**

- Volume Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

#### **BOOM HEIGHT**

For ground equipment, the boom should remain level with the crop and have minimal bounce.

#### SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

#### TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

#### **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

#### WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

#### **RESISTANCE MANAGEMENT**

For resistance management, please note that this product contains both a Group 3 (tebuconazole) and a Group 11 (azoxystrobin) fungicide. Any fungal population may contain individuals naturally resistant to this product and other Group 3 or Group 11 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of this product or other Group 3 or Group 11 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact your local Sipcam Agro representative. You can also contact your pesticide distributor or university extension specialist to report resistance.

Use of a multiple-site contact fungicide (such as chlorothalonil containing products) as an alternating or tank-mix partner can help alleviate selection pressure on pathogens and delay the onset of resistance. **DO NOT** tank mix this product with any fungicide to which resistance has already been developed.

#### DISEASE CONTROL IN GOLF COURSE TURF

#### **Use Restrictions**

- For use only on golf course turf.
- **DO NOT** apply more than 6 applications per year. For use on gray snow mold and pink snow mold, **DO NOT** apply more than 3 applications per year.
- **DO NOT** exceed 4.5 fl. oz. product per 1,000 sq. ft. (or 200 fl. oz. product per acre) (3.98 lbs. a.i. tebuconazole per A) per year.
- **DO NOT** use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, play fields, etc.
- Not for residential use.
- Not for use on turf being grown for sale or commercial use as sod.
- DO NOT use clippings for animal feed.
- Apply by ground (includes any hand-held and mechanically pressurized handwands) only.
- **DO NOT** apply by air or through any type of Ultra Low Volume (ULV) spray system (<5 gallons per A).
- In the State of New York, **DO NOT** exceed 2.25 fl. oz. of this product per 1,000 sq. ft. (1.96 lbs. a.i. tebuconazole per A) per year.

## **Spray Preparation**

Begin application with a clean water spray tank (remove scale, pesticide residues, and other foreign matter, and flush the system with clean water).

#### **Mixing Instructions:**

- 1. Fill the tank with  $\frac{1}{2}$  or  $\frac{3}{4}$  the desired amount of water.
- 2. Start mechanical or hydraulic agitation.
- 3. Slowly add the specified amount of this product.
- 4. Add the remaining volume of water.

Maintain continuous agitation to keep the material in suspension. For best results, use spray mixture the same day it is prepared.

#### Compatibility

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

To determine the physical compatibility of this product with other products, the following procedure should be followed: Pour the specified proportions of the products into a suitable container of water, mix thoroughly and allow to stand for at least five (5) minutes. If the combination remains uniformly mixed or can be re-mixed readily, the mixture is considered physically compatible.

Biological compatibility, i.e. effectiveness for disease control or lack of phytotoxicity, must be determined on a case-by-case basis. **DO NOT** mix this product with any other pesticide, fertilizer, adjuvant or other materials except water unless you know that such mixtures will be effective and non-injurious under your conditions of use. When an adjuvant is to be used, use a Council of Producers and Distributors of Agrotechnology (CPDA) certified adjuvant.

This product has demonstrated some phytotoxic effects when mixed with products that are formulated as EC's. These effects are enhanced if applications are made under cool, cloudy conditions and these conditions remain for several days following application. In addition, adjuvants that contain some form of silicone have also contributed to phytotoxicity.

#### **Prevention and Control of Golf Course Diseases**

Use this product on both cool season and warm season turf grasses including, but not limited to, Bentgrasses, Bermudagrasses, Bluegrasses, Fescues, Ryegrasses, St. Augustine grasses, Zoysia grasses and Paspalum grasses or their mixtures.

Use this product for the prevention and control of the diseases listed in the table below. Begin applications when conditions are favorable for disease development and repeat applications as long as these conditions persist. Apply preventative treatments at 14- to 21-day intervals as indicated. When treating golf greens, always treat aprons and approaches. Use properly calibrated equipment to spray uniformly over the area to be treated. Use the highest rate and shortest interval listed in the table below for severe disease pressure.

#### **Turf Application Instructions**

Apply the specified amount of this product in sufficient water for thorough coverage. Use a volume of 65 to 135 gallons per acre (1.5 to 3.0 gallons per 1,000 sq. ft.). Apply using properly calibrated low volume, hand-held, mechanical or motorized ground broadcast equipment. Maintain constant agitation during application. Make all applications after mowing and allow foliage to dry thoroughly before irrigation.

Note: Prior to pouring, slowly invert container several times to assure uniform mixture.

#### **GOLF COURSE TURF APPLICATION RATES**

	fl.oz.	Max. Number	May Cinala	Max. Amount / Year*		
APPLICATION METHOD	Product / 1,000 ft <sup>2</sup>	of Applications	Max. Single Application (fl.oz./1,000 ft²)	fl.oz. Product / 1,000 ft²	fl.oz. Product / acre	
Ground (All diseases except Snow Mold)	0.5 -1.0	6**	1.0	4.59**	199.78**	
Ground (Snow Mold)	1.45	3	1.45	4.35	189.49	
Mechanically Pressurized Hand-Held	0.275	6	0.275	1.65	71.87	

<sup>\*</sup>In the State of New York, **DO NOT** exceed 2.25 fl. oz. of this product per 1,000 sq. ft. (1.96 lbs. a.i. tebuconazole per A) per year.

**Equivalence Chart for Golf Course Turf Application Rates** 

fl.oz. Product	. Product lbs. Al / 1,000 ft <sup>2</sup> fl.oz. Product		lbs. Al / acre			
/ 1,000 ft <sup>2</sup>	Azoxystrobin	Tebuconazole		/ acre	Azoxystrobin	Tebuconazole
0.275	0.46	0.70		11.98	0.16	0.24
0.5	0.85	1.28		21.78	0.29	0.43
1.0	1.70	2.55		43.56	0.58	0.87
1.45	2.45	3.70		63.16	0.83	1.26

#### **GOLF COURSE TURF APPLICATIONS AND INSTRUCTIONS**

See **GOLF COURSE TURF APPLICATION RATE** table above for appropriate rates for the application method to be used.

TARGET DISEASES	APPLICATION DIRECTIONS
Anthracnose (Basal** and Foliar) (Colletotrichum cereal)	Use preventatively. Begin applications when disease conditions exist and prior to disease symptom development. Repeat application after 14 to 21 days. A second application may be made after 14 days for greens.  ** Use the higher listed rate and shorter intervals for control of Basal Anthracnose.
Bentgrass Dead Spot	Begin applications prior to disease development.
(Ophiosphaerella agrostis)	Repeat application after 14 days.
Fairy Ring	Apply as disease symptoms develop. Make applications in 2 to 4
(Lycoperdon spp., Agrocybe	gallons of water per 1,000 sq. ft. Symptoms may take 2 to 3
pediades, and Bovistra	weeks to disappear following application. Repeat applications
plumbea)	may be required after 28 days in certain cases.

<sup>\*\*</sup> **DO NOT** apply more than 3.98 lbs.Al / acre of tebuconazole per year (maximum of 4.59 fl.oz. product / 1,000 ft<sup>2</sup> or 199.78 fl.oz. product / acre)

# **GOLF COURSE TURF APPLICATIONS AND INSTRUCTIONS (continued)**

TARGET DISEASES	APPLICATIONS AND INSTRUCTIONS (continued)  APPLICATION DIRECTIONS
IARGEI DISEASES	
Brown Patch and Zoysia Patch,	Brown Patch: Apply when disease conditions exist. Repeat application after 14 to 21 days.  Zoysia Patch: Make 1 or 2 applications approximately one month prior to zoysia grass dormancy. Repeat application after 14 to 21 days.
Large Patch, Leaf and Sheath Spot (Rhizoctonia solani, R. spp., R. zeae)	Large Patch: For control of Large Patch on all warm season turfgrasses, make 1 or 2 applications in the fall prior to infection or when conditions are favorable for infection. Repeat applications after 14 to 21 days.  Leaf and Sheath Sport: Apply when disease conditions exist such
	as sequential periods of temperatures at or above 90°F. Curative control may require several applications. Target spray at the crown of turfgrass. Repeat application after 14 to 21 days.
Cool Weather Brown Patch, Yellow Patch (Rhizoctonia cerealis)	Make 1 or 2 applications in the fall when disease conditions exist. Repeat applications every 14 to 21 days.
Copper Spot (Sclerotinia homoecarpa)	Apply preventatively when disease conditions exist. Repeat application after 14 to 21 days.
Dollar Spot (Sclerotinia homoecarpa)	Apply preventatively when disease conditions exist. Repeat application after 14 to 21 days.
Gray Leaf Spot ( <i>Pyricularia grisea</i> )	Apply in a preventative disease control program. Apply before disease is present and alternate with other fungicides that control gray leaf spot. Repeat application after 14 to 21 days.
Gray Snow Mold	Apply once in late fall prior to snow cover. For snow mold, do not make more than three applications at 1.45 fl.oz. / 1000 sq.ft
Pink Snow Mold (Microdochium nivale) Fusarium Patch (prior to snow cover)  (Intermittent snow cover and rainfall)	Apply preventatively prior to snow cover. For snow mold, do not make more than three applications at 1.45 fl.oz. / 1000 sq.ft  Begin applications when conditions are favorable for disease infection and prior to disease symptom development. Repeat application after 14 to 21 days.
Leaf Rust Stem Rust Stripe Rust (Puccinia spp.)	Begin applications when conditions are favorable for disease infection and prior to disease symptom development. Repeat application after 14 to 21 days.
Leaf Spot (Bipolaris sorokiniana)	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Melting Out (Dechslera poae)	Apply when disease conditions exist. Repeat application after 14 to 21 days.

# **GOLF COURSE TURF APPLICATIONS AND INSTRUCTIONS (continued)**

TARGET DISEASES	APPLICATION DIRECTIONS
Necrotic Ring Spot (Ophiosphaerella korrae)	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Pink Patch (Limonomyses roseipellis)	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Powdery Mildew (Erysiphe graminis)	Begin applications when conditions are favorable for disease infection, prior to disease symptom development. Repeat application after 14 to 21 days.
Pythium Blight Pythium Root Rot (Pythium aphanidermatum, Pythium spp.)	Use preventatively. Begin applications when disease conditions exist and prior to disease symptom development. During periods of prolonged favorable conditions, treat on the 10-day application interval. For use on newly seeded as well as established turf. Repeat application after 14 to 21 days.
Red Thread (Laetisaria fuciformis)	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Southern Blight (Sclerotium rolfsii)	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Spring Dead Spot (Ophiosphaerella korrae) or (Ophiosphaerella narmari) or (Ophiosphaerella herpotricha)	Apply 1 or 2 applications approximately one month prior to bermudagrass dormancy. Irrigate with ¼" to ½" of water directly after application. Repeat application after 14 to 21 days.
Summer Patch (Magnaporthe poae)	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Take-all Patch (Gaeumannomyces graminis var. avenae)	Make two applications at 28-day intervals in the spring and two applications at 28-day intervals in the fall.

# DISEASE CONTROL IN FIELD, NURSERY, AND CONTAINER ORNAMENTALS AND COMMERCIAL AND RESIDENTIAL LANDSCAPE ORNAMENTALS

#### **USE RESTRICTIONS:**

- Intended for use by professional applicators.
- For in-field applications, **DO NOT** exceed the application rate of 0.75 lbs. ai/A azoxystrobin when tank mixing or sequentially applying other products containing azoxystrobin.
- Apply by ground (includes any hand-held and mechanically pressurized handwands) only.
- See **ORNAMENTAL APPLICATION RATE** table below for maximum amount of product and maximum numbers of applications per year.
- DO NOT apply to bearing fruit trees or vegetables. DO NOT apply to apple or cherry (flowering, Yoshina variety) due to possible phytotoxicity. Extreme care must be used to prevent injury to apple trees and apple fruit. AVOID SPRAY DRIFT. DO NOT spray this product where spray drift may reach apple trees. DO NOT use spray equipment that has been previously used to apply this product for use in these sensitive crops due to possible phytotoxicity from residue remaining in the sprayer. Even trace amounts can cause unacceptable phytotoxicity to certain apple and crabapple varieties.
- DO NOT use clippings for animal feed.

Ornamental Plants by Type				
	Ageratum, Begonia, Canna, Coleus, Dahlia, Dusty Miller, Foxglove,			
Herbaceous bedding	Fuchsia, Geranium, Impatiens, Lavender, Marigold, Pansy, Petunia, Pinks,			
	Primrose, Salvia, Statice, Strawflower, Tickseed, Verbena			
Flowering	Chrysanthemum, Hydrangea, Hollyhock, Iris, Lily, Poinsettia			
Tropical Foliage	Dieffenbachia, Dracaena, English Ivy, Philodendron, Pothos			
Woody Ornamentals	Azalea, Hibiscus, Holly, Ligustrum, Rhodendrum, Rose, Pyracantha			
Evergreen Trees	Douglas Fir, Fir, Larch, Pine, Spruce			
Deciduous Trees	Ash, London Plane, Maple, Oak, Sycamore, Walnut			
Flowering Trees	Cherry, Crabapple, Hawthorn, Mountain Ash, Pear			

# **Controlling Ornamental Diseases**

This product provides broad-spectrum control of foliar, stem, and below-ground diseases on ornamental plants. Apply prior to disease development and at the very latest, upon first sign of disease.

**Ornamentals and Target Diseases** 

Ornamental Types	Disease(s)
Woody ornamentals, shade trees	Anthracnose
Herbaceous ornamentals	Ascochyta Blight
Roses	Black Spot
Woody and herbaceous ornamentals	Botrytris (Gray Mold)
Woody and herbaceous ornamentals	Brown Rot
Woody and herbaceous ornamentals	Colletotrichum
Woody and herbaceous ornamentals	Cercospora Leaf Spot
Ligustrum	Corynespora Leaf Spot
Iris	Didymellina Leaf Spot
Shade and ornamental trees	Diplodia Tip Blight (Diplodia pinea)
Azalea, rhododendron <sup>2</sup>	Ovulinia
Woody and herbaceous ornamentals	Entomosporium Leaf Spot
Woody and herbaceous ornamentals	Fusicladium Leaf Scab
Woody and herbaceous ornamentals	Phomopsis Blight
Woody ornamentals	Pine Tip Blights
Woody and herbaceous ornamentals, ornamentals nut and fruit trees	Powdery Mildew
Ornamental nut and fruit trees	Rust Diseases
Herbaceous ornamentals	Ramularia Leaf Spot
Pyracantha, flowering crab, ornamental fruit and nut trees	Scab
Woody and herbaceous ornamentals	Septoria Leaf Spot
Woody and herbaceous ornamentals	Venturia Leaf Scab

**Note:** This product has been determined to be safe for use on the plant types listed in these directions for use based on cumulative data derived from research trials and historical field use. As all species and cultivars have not been tested, trial applications should be performed before applying to a plant type not listed on the label but found on a similar use site and for diseases that are listed on the label. For a trial application, apply at least two applications to at least 25 trial plants at the highest concentration, 7 days apart. Evaluate product effectiveness for 7 days after the last application and before initiating a full-scale application.

**DO NOT** use this product on the following plants: Swedish Ivy (*Plectranthus australis*), Boston fern (*Nephrolepsis exaltata*), and Easter cactus (*Hatiora gaertneri*).

# ORNAMENTAL APPLICATION INSTRUCTIONS

Apply this product with properly calibrated hand-held, mechanical, or motorized spray equipment. Use the specified amount per 100 gallons of water or adequate spray volume to obtain uniform coverage. Begin applications when disease first appears and repeat at 14- to 21-day intervals during the growing season. When disease conditions exist, use the shortest listed interval. Allow sprays to dry before overhead irrigation is applied.

# **ORNAMENTAL APPLICATION RATES**

	fl.oz. Product / 100 gal. (pints / acre)  Max. Number of Application (fl.oz./100 gal.)		Mary Oireals	Max. Amount / Year*		
APPLICATION METHOD			Application	fl.oz. Product / 100 gal	pints Product / acre	
Ground/ All uses except those listed for hand-held applications.	3.2 – 5.9 (0.4 – 0.74)	4	5.9	23.60	2.96	
Any Hand-Held/ Nursery Ornamentals, Landscape Ornamentals (plants, flowers, trees, turf)	0.047 (0.006)	2	0.047	0.094	0.012	
Mechanically Pressurized Hand-Held/ Greenhouse Ornamentals	0.047 (0.006)	2	0.047	0.094	0.012	

<sup>\*</sup>Do not use more than 200 gallons per acre.

**Equivalence Chart for Ornamental Application Rates** 

nto Droduct / core	lbs. Al / acre			
pts. Product / acre	Azoxystrobin	Tebuconazole		
0.006	0.013	0.0019		
0.40	0.085	0.128		
0.74	0.156	0.236		

# **ORNAMENTAL APPLICATION INSTRUCTIONS**

See **ORNAMENTAL APPLICATION RATE** table above for appropriate rates for the

application method to be used.

application method to be used.	
TARGET DISEASES	APPLICATION INSTRUCTIONS
Anthracnose (Colletotrichum)	Apply at bud break or at first sign of disease. Repeat applications at 14- to 21-day intervals as needed while disease conditions exist.
Black Spot of Rose (Diplocarpon rosae)	Apply at bud break or at first sign of disease. Repeat applications at 14- to 21-day intervals as needed while disease conditions exist.
Brown Rot and Blight (Monilinia, Sclerotinia, Whetzellinia)	Apply at bud break or at first sign of disease. Repeat applications at 14- to 21-day intervals as needed while disease conditions exist.
Fusicladium and Venturia Leaf Scabs on: Crabapple, Hawthorn, Pear, Mountain Ash, Pyracantha, etc.	Apply at bud break. Repeat applications at 14- to 21-day intervals while disease conditions exist. Applications should be repeated until petal drop for Crabapple. Rotations with other strobilurin fungicides can be utilized.
Leaf Spots and Blights caused by: Ascochyta, Blumeriella, Botrytis, Cercospora, Coccomyces, Corynespora, Curvularia, Didymellina, Entomosporium, Fabraea, Fusarium, Ramularia, Rhizoctonia, Marssonina Mycosphaerella, Myrothecium, Phoma, Physalospora Schizothyrium, Septoria, Sphaceloma	Make applications when disease symptoms first appear. Repeat at 14- to 21-day intervals while disease conditions exist. Rotations with other strobilurin fungicides can be utilized.
Ovulinia Blight	Apply as flowers open. Repeat applications at 14- to 21-day intervals while disease conditions exist.
Powdery Mildews: Erysiphe, Microsphaera, Phyllactinia, Podosphaera, Oidium, Sphaerotheca	Apply when disease first appears and repeat applications at 14- to 21-day intervals. This product can be rotated with other effective products.
Rust Diseases caused by: Puccinia, Gymnosporangium, Uromyces	Apply in late spring or when first symptoms appear. Repeat applications at 14- to 21- day intervals while disease conditions exist. This product can be rotated with other effective products.
Tip Blight of Pine Sphaeropsis sapinea, Diplodia pinea	Begin applications in the spring when new growth starts. Make a second application just prior to needle emergence from the sheath and a third application 14 to 21 days later. Ensure thorough coverage.
Twig Blights, Cankers, and Diebacks Diaporthe, Kabatina, Phoma, Phomopsis	Apply when symptoms first appear. Repeat applications at 14- to 21-day intervals while disease conditions exist.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in original container in a dry, temperature-controlled, secure place. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on-site or at an approved waste disposal facility.

#### **CONTAINER HANDLING:**

Containers < 5 Gallons: Nonrefillable container. Do not reuse or refill this container. Triple rinse container 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 ¼ 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. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Containers ≥ 5 Gallons: Nonrefillable container.** Do not reuse or refill this container. Triple rinse or pressure 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 ½ full with water. Replace and tighten closures. Tip container on its side and roll it 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.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or a mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Bulk 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 a 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. When the container is empty, replace the cap and seal all openings that have been opened during use and return to the point of purchase or to a designated location named at the time of purchase of this product. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. Do not transport if this container is damaged or leaking. If the container is damaged or leaking, call CHEMTREC at (800) 424-9300. If not returned to the point of purchase or to a designated location, clean empty container as instructed above and offer for recycling. Disposal of this container must be in compliance with state and local regulations.

If the container is damaged and leaking or material has been spilled, follow these procedures:

- Cover spill with absorbent material.
- Sweep into disposal container.
- Wash area with detergent and water and follow with clean water rinse.
- Do not allow to contaminate water supplies.
- Dispose of according to instructions.

THIS CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

#### WARRANTY AND LIMITATION OF DAMAGES

Conditions of Sale: To the extent consistent with applicable law, Sipcam Agro USA, Inc. 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. This warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to Sipcam Agro USA, Inc. Sipcam Agro USA, Inc. disclaims all other warranties, express or implied. To the extent consistent with applicable law, Sipcam Agro USA, Inc. shall not be liable for consequential, special, or indirect damages resulting from the use or handling of this product, and Sipcam Agro USA, Inc.'s sole liability and buyer's and user's exclusive remedy shall be limited to the refund of the purchase price. Buyer and user acknowledge and assume all risks and liability resulting from handling, storage and use of this product. Sipcam Agro USA, Inc. does not authorize any agent or representative to make any other warranty, guarantee or representation concerning this product.