

#### U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460

6006	53-	62

EPA Reg. Number:

Date of Issuance:

5/23/17

NOTICE OF PESTICIDE:

X Registration
Reregistration
(under FIFRA, as amended)

Term of Issuance:
Unconditional

Name of Pesticide Product:

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

Name and Address of Registrant (include ZIP Code):

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

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

- 1. Submit and/or cite all data required for registration/registration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
- 2. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.

Signature of Approving Official:	Date:
<del>L</del>	5/23/17
Hope Johnson, Product Manager 21	
Fungicide Branch, Registration Division (7505P)	

- 3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 60063-62."
  - Add an EPA Establishment Number
- 4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

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 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.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 08/05/2016
- Alternate CSF 1 dated 08/05/2016
- Alternate CSF 2 dated 08/05/2016
- Alternate CSF 3 dated 08/05/2016
- Alternate CSF 7 dated 08/05/2016
- Alternate CSF 8 dated 08/05/2016
- Alternate CSF 9 dated 08/05/2016

If you have any questions, please contact Marcel Howard by phone at (703)305-6784, or via email at howard.marcel@epa.gov.

Enclosure

[ ] indicates optional language

ACCEPTED

May 23, 2017

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

Group	3	11	<b>Fungicides</b>

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

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 lb Tebuconazole and 1.69 lb Azoxystrobin per gallon.

## KEEP OUT OF REACH OF CHILDREN WARNING / AVISO

EPA Reg. No. 60063-xx	Net Contents: 1 [gallon] [gal.]
EPA Est. No	[label date/lot code]

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

[See additional Precautionary Statements and Directions for Use inside the booklet.] [Application Type Turf & Ornamental] [Read the entire label before using this product.]

## Manufactured for:

Sipcam Agro USA, Inc. 2525 Meridian Parkway, Suite 350 Durham, NC 27713

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.			
		(800) 424-9300 CHEMTREC (transportation and spills) (800) 222-1222 Poison Control Center	

## 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.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

## Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Water-proof gloves
- Shoes plus socks

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 high water 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.

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.

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.
  - Do not apply by ground or air within 100 feet of aquatic areas listed above.
  - 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.

#### AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

## **Resistance Management Recommendations**

This product contains both a Group 3 (tebuconazole) and Group 11 (azoxystrobin) fungicide. Fungal diseases may develop resistance to Group 3 and/or Group 11 fungicides when used repeatedly in the same location or in successive years as the primary method of control for targeted disease. This may result in partial or total loss of control of those species by this product and or other Group 3 and/or Group 11 fungicides.

The rate and scope, at which resistant populations develop, cannot be predicted. Therefore the use of this product should conform to the resistance management strategies established for the use area. Resistance management strategies include rotation and/or tank mixing with products utilizing different modes of action or restricting the number of applications per year. Contact your local university or extension specialist and/or manufacturer for fungicide resistance recommendations.

To delay fungicide resistance:

- Avoid the consecutive use of this product or other target site of action Group 3 and/or Group 11 fungicides that have a similar target site of action, on the same pathogens.
- Use tank-mixtures or premixes with fungicides from different target site of action Groups as long as
  the involved products are all registered for the same use and are both effective at the tank mix or
  prepack rate on the pathogen(s) of concern.
- Base fungicide use on a comprehensive Integrated Pest Management (IPM) program.
- Monitor treated fungal populations for loss of efficacy.
- Contact your local extension specialist, and/or manufacturer for fungicide resistance management.

Do not tank mix this product with any fungicide to which resistance has already been developed.

Use of a multiple-site contact fungicide such as Echo<sup>®</sup> 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.
- Intended for use by professional applicators.
- 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 lb a.i. tebuconazole per A) per year.
- Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, 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.
- 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 lb 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 ½ or ¾ 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

[ ] indicates optional language

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 compatability, 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, Sipcam Agro USA, Inc. recommends the use of 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. Augustinegrasses, Zoysiagrasses 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 APPLICATIONS AND INSTRUCTIONS**

TARGET DISEASES	RATE OF PRODUCT/ 1,000 SQ. FT.	APPLICATION DIRECTIONS
Anthracnose (Basal** and Foliar) (Colletotrichum cereal)	0.5 – 1.0 fl. oz.	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 (Ophiosphaerella agrostis)	0.5 – 1.0 fl. oz.	Begin applications prior to disease development. Repeat application after 14 days.
Brown Patch and Zoysia Patch, Large Patch, Leaf and Sheath Spot (Rhizoctonia solani, R. spp., R. zeae)	0.5 – 1.0 fl. oz.	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: 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)	0.5 – 1.0 fl. oz.	Make 1 or 2 applications in the fall when disease conditions exist. Repeat applications every 14 to 21 days.
Dollar Spot (Sclerotinia homoecarpa)	0.5 – 1.0 fl. oz.	Apply preventatively when disease conditions exist. Repeat application after 14 to 21 days.
Fairy Ring (Lycoperdon spp., Agrocybe pediades, and Bovistra plumbea)	0.5 – 1.0 fl. oz.	Apply as disease symptoms develop. Make applications in 2 to 4 gallons of water per 1,000 sq. ft. Symptoms may take 2 to 3 weeks to disappear following application. Repeat applications may be required after 28 days in certain cases.
Gray Leaf Spot ( <i>Pyricularia grisea</i> )	0.5 – 1.0 fl. oz.	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	1.45 fl. oz.	Apply once in late fall prior to snow cover. For snow mold, do not make more than three applications at 1.57 fl.oz. / 1000 sq.ft

TARGET DISEASES	RATE OF PRODUCT/ 1,000 SQ. FT.	APPLICATION DIRECTIONS
Pink Snow Mold (Microdochium nivale) Fusarium Patch (prior to snow cover)	1.45 fl. oz.	Apply preventatively prior to snow cover. For snow mold, do not make more than three applications at 1.57 fl.oz. / 1000 sq.ft
(Intermittent snow cover and rainfall)	0.5 – 1.0 fl. oz.	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.)	0.5 – 1.0 fl. oz.	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)	0.5 – 1.0 fl. oz.	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Melting Out (Dechslera poae)	0.5 – 1.0 fl. oz.	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Necrotic Ring Spot (Ophiosphaerella korrae)	1.0 fl. oz.	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Pink Patch (Limonomyses roseipellis)	0.5 – 1.0 fl. oz.	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Powdery Mildew (Erysiphe graminis)	0.5 – 1.0 fl. oz.	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.)	0.5 – 1.0 fl. oz.	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)	0.5 – 1.0 fl. oz.	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Southern Blight (Sclerotium rolfsii)	0.5 – 1.0 fl. oz.	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Spring Dead Spot (Ophiosphaerella korrae) or (Ophiosphaerella narmari) or (Ophiosphaerella herpotricha)	1.0 fl. oz.	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.

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

#### **Use Restrictions:**

- Intended for use by professional applicators.
- Do not exceed 4 applications per year.
- Do not exceed 1.09 fl. oz. per 1,000 sq. ft. per year (47.3 fl. oz. per acre per year).
- Do not exceed the maximum single application rate of 11.875 fl. oz. of this product per acre or the maximum application rate of 47.3 fl. oz. per acre 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 applied 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	Fusicaladium Leaf Scab
Woody and herbaceous ornamentals	Phomopsis Blight
Woody ornamentals	Pine Tip Blights
Woody and herbaceous ornamentals, ornamentals nut	Powdery Mildew

Ornamental Types	Disease(s)
and fruit trees	
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 (Nephrolepsis exaltata), Boston fern (Plectranthus australis), 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.

TARGET DISEASES	RATE OF PRODUCT	APPLICATION INSTRUCTIONS
Anthracnose (Colletotrichum)	3.2 – 5.9 fl. oz. per 100 gallons of water or 0.40 – 0.74 pints/A	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)	3.2 – 5.9 fl. oz. per 100 gallons of water or 0.40 – 0.74 pints/A	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)	3.2 – 5.9 fl. oz. per 100 gallons of water or 0.40 – 0.74 pints/A	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.	3.2 – 5.9 fl. oz. per 100 gallons of water or 0.40 – 0.74 pints/A	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 stobilurin fungicides can be utilized.

TARGET DISEASES	RATE OF PRODUCT	APPLICATION INSTRUCTIONS
Leaf Spots and Blights caused by: Ascochyta, Blumeriella, Botrytis, Cercospora, Coccomyces, Corynespora, Curvularia, Didymellina, Entomosporium, Fabraea, Fusarium, Ramularia, Rhizoctonia, Marssoninia, Mycosphaerella, Myrothecium, Phoma, Physalaspora, Schizothyrium, Septoria, Sphaceloma	3.2 – 5.9 fl. oz. per 100 gallons of water or 0.40 – 0.74 pints/A	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	3.2 – 5.9 fl. oz. per 100 gallons of water or 0.40 – 0.74 pints/A	Apply as flowers open. Repeat applications at 14- to 21-day intervals while disease conditions exist.
Powdery Mildews: Erysiphe, Microsphaera, Phyllactinia, Podosphaera, Oidium, Sphaerotheca	3.2 – 5.9 fl. oz. per 100 gallons of water or 0.40 – 0.74 pints/A	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	3.2 – 5.9 fl. oz. per 100 gallons of water or 0.40 – 0.74 pints/A	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	3.2 – 5.9 fl. oz. per 100 gallons of water or 0.40 – 0.74 pints/A	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	3.2 – 5.9 fl. oz. per 100 gallons of water or 0.40 – 0.74 pints/A	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 container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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. 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.

Echo<sup>®</sup> is a registered trademark of Sipcam Agro USA, Inc.