

Adrenalyn™ ETQ®

Turf Fungicide

GROUP 3 II FUNGICIDES

PEEL BACK BOOK HERE

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

Adrenalyn™ ETQ® Turf 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

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further advice.

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

NET CONTENTS: 1 Gallon

MANUFACTURED FOR:
SIPCAM AGRO USA, INC.
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Durham, NC 27713

1G

See additional Precautionary Statements and Directions for Use inside the booklet.

EPA Reg. No. 60063-62

EPA Est. No.: 60063-GA-001 (Lot number begins with VL)

EPA Est. No.: 70815-GA-001 (Lot number begins with CB)

EPA Est. No.: 86555-MO-001 (Lot number begins with AF)

READ THE ENTIRE
LABEL BEFORE
USING THIS
PRODUCT

EPA 9/1/2017 (9/17)

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 Sipcarn 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, contact 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® 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 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, 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
Anthraxnose (Basal** and Foliar) (<i>Colletotrichum cereal</i>)	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 Anthraxnose.
Bentgrass Dead Spot (<i>Ophiophaerella agrostis</i>)	0.5 – 1.0 fl. oz.	Begin applications prior to disease development. Repeat application after 14 days.

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TARGET DISEASES	RATE OF PRODUCT/ 1,000 SQ. FT.	APPLICATION DIRECTIONS
Brown Patch and Zoysia Patch, Large Patch, Leaf and Sheath Spot (<i>Rhizoctonia solani</i> , <i>R. spp.</i> , <i>R. zeae</i>)	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 (<i>Rhizoctonia cerealis</i>)	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 (<i>Sclerotinia homoeocarpa</i>)	0.5 – 1.0 fl. oz.	Apply preventatively when disease conditions exist. Repeat application after 14 to 21 days.
Fairy Ring (<i>Lycoperdon</i> spp., <i>Agrocybe pedicades</i> , and <i>Bovistra plumbea</i>)	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..
Pink Snow Mold (<i>Microdochium nivale</i>)	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..
Fusarium Patch (prior to snow cover) (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 (<i>Puccinia</i> 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 (<i>Bipolaris sorokiniana</i>)	0.5 – 1.0 fl. oz.	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Melting Out (<i>Dechslera poae</i>)	0.5 – 1.0 fl. oz.	Apply when disease conditions exist. Repeat application after 14 to 21 days.

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TARGET DISEASES	RATE OF PRODUCT/ 1,000 SQ. FT.	APPLICATION DIRECTIONS
Necrotic Ring Spot (<i>Ophiophaerella korrae</i>)	1.0 fl. oz.	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Pink Patch (<i>Limonomyces roseipellis</i>)	0.5 – 1.0 fl. oz.	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Powdery Mildew (<i>Erysiphe graminis</i>)	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 (<i>Pythium aphanidermatum</i> , <i>Pythium</i> 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 (<i>Laetisaria fuciformis</i>)	0.5 – 1.0 fl. oz.	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Southern Blight (<i>Sclerotium rolfsii</i>)	0.5 – 1.0 fl. oz.	Apply when disease conditions exist. Repeat application after 14 to 21 days.
Spring Dead Spot (<i>Ophiophaerella korrae</i>) or (<i>Ophiophaerella narmari</i>) or (<i>Ophiophaerella</i> <i>herpotricha</i>)	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.

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:

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.

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.

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