

Azoxystrobin	GROUP	11.3	FUNGICIDE
Propiconazole	GROUP	3	FUNGICIDE

**Armor**  **Tech**<sup>®</sup>

# ZOXY<sup>®</sup>-PG

Granular Fungicide

Broad spectrum fungicide for control of plant diseases

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

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

## ACTIVE INGREDIENTS

Azoxystrobin.....	0.31%
Propiconazole .....	0.75%
<b>OTHER INGREDIENTS:</b> .....	98.94%
<b>TOTAL:</b> .....	100.00%

*Contains 0.0075 lb. propiconazole and 0.0031 lb. azoxystrobin per lb. of product.*

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

*(If you do not understand the label, find someone to explain it to you in detail.)*

EPA Reg. No: 53883-440-86064

EPA Est. No: 67572-GA-1

**NET WEIGHT: 30 LBS**

Manufactured for:

United Turf Alliance, LLC

8014 Cumming Highway, Suite 403-282

Canton, GA 30115



## FIRST AID

<b>IF IN EYES:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>• Call poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"><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>
<b>IF INHALED:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>HOT LINE NUMBER</b> Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact SafetyCall® (866) 897-8050 for emergency medical treatment information.	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes moderate eye irritation. Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

### Personal Protective Equipment (PPE)

Some materials that are chemically resistant to this product are listed below.

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber
- Shoes plus socks

### User Safety 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.

### **Engineering Controls**

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

### **USER SAFETY RECOMMENDATIONS**

#### **Users should:**

- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE/clothing immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. Do not apply directly to water except as specified on this label. For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high-water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

### **Ground Water Advisory**

The active ingredient, azoxystrobin, in this product can be persistent for several months or longer. Azoxystrobin is known to leach through soil to ground water under certain conditions as a result of label use. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

Notify state and/or federal authorities and United Turf Alliance 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 ALL DIRECTIONS COMPLETELY BEFORE USE.

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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

### **PRODUCT INFORMATION**

ArmorTech Zoxy-PG is a combination of two broad-spectrum, preventative fungicides with systemic properties specified for the control of many important plant diseases. All applications must be made according to the use directions that follow.

### **PRECAUTIONS**

- Bermudagrass can be sensitive to ArmorTech Zoxy-PG.

### **RESTRICTIONS**

- Do not apply more than 19.2 lb. product/1000 sq. ft./calendar year.
- Apply by ground application only.
- Do not graze or feed clippings from treated turf areas to animals.
- Do not apply when weather conditions favor product blowing from treated areas to nontarget aquatic habitat.
- Do not exceed 3 lb. product/1,000 sq.ft. every 30 days on any variety of bermudagrass. In Florida do not apply ArmorTech Zoxy-PG to bermudagrass golf course greens when temperatures exceed 90°F.
- Do not use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

### **ATTENTION**

ArmorTech Zoxy-PG is extremely phytotoxic to certain apple varieties. Extreme care must be used to prevent injury to apple trees (and apple fruit). DO NOT spread ArmorTech Zoxy-PG where granules may reach apple trees.

## RESISTANCE MANAGEMENT

For resistance management, please note that ArmorTech Zoxy-PG contains both a Group 11/Azoxystrobin and Group 3/Propiconazole fungicide. Any fungal population may contain individuals naturally resistant to ArmorTech Zoxy-PG and other Group 11 or Group 3 fungicide. A gradual or total loss of pest control may occur over time if these fungicide are used repeatedly in the same field. Appropriate resistance-management strategies should be followed.

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

- Rotate the use of ArmorTech Zoxy-PG or other Group 11 and Group 3 fungicide within a growing season sequence with different groups that control the same pathogens.<sup>3</sup>
- Use tank mixtures with fungicide 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 diseases models to effectively time fungicide applications. Note that use 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 contact your local retailer or your local university extension specialist.

<sup>3</sup> If repeated application is necessary, this statement may be modified as follows: “Avoid application of more than 2 and consecutive applications of ArmorTech Zoxy-PG or other fungicides in the same group in a season.”

If no resistance specifications on the number of applications is specified in the directions for use, follow the specifications in the table below.

If planned total number of fungicide applications per crop is:	1	2	3	4	5	6	7	8	9	10	11	12
Solo QoI fungicide applications	1	1	2	2	2	2	2	3	3	3	3	4
QoI fungicide applications in mixture (formulated)	1	2	2	2	2	3	3	4	4	5	5	6

In situations requiring multiple applications, develop year-long programs for Group 11 (QoI) fungicides. In crops where two sequential Group 11 fungicide applications are made, they must be alternated with two or more applications of a fungicide that is not in Group 11. If more than 12 applications are made, observe the following guidelines:

- When using a QoI fungicide as a solo product, the number of applications must be no more than 1/3 (33%) of the total number of fungicide applications per year.
- For QoI mixes in programs in which tank mixes or premixes of QoI with mixing partners of a different mode of action are utilized, the number of QoI containing applications must be no more than 1/2 (50%) of the total number of fungicide applications per year.
- In programs in which applications of QoI are made with both solo products and mixtures, the number of QoI containing applications must be no more than (50%) of the total number of fungicides applied per year.

If a Group 11 fungicide is applied to the seed or soil, do not make another application with a Group 11 fungicide for at least 3 weeks.

### **APPLICATION INSTRUCTIONS**

Apply ArmorTech Zoxy-PG at rates and timings as described in this label. ArmorTech Zoxy-PG may be applied with all types of spreader equipment commonly used for making ground applications excluding bellygrinder equipment. Proper adjustments and calibration of application equipment to give good coverage is essential for good disease control. The higher rates in the rate range and/or shorter application intervals may be required under conditions of heavy infection pressure, highly susceptible varieties, or when environmental conditions conducive to disease exist.

### **TURF**

ArmorTech Zoxy-PG is specified for control of certain pathogens causing foliar, stem, and root diseases, including leaf and stem blights, leaf spots, patch diseases, mildews, anthracnose, fairy rings, molds, and rusts of turfgrass plants. ArmorTech Zoxy-PG may be used to control certain diseases on turf in golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

### **Retreatment Intervals**

ArmorTech Zoxy-PG must be applied prior to disease development. Repeat applications at specified intervals for as long as required.

## RESTRICTIONS

- Do not apply more than 19.2 lb. product/1000 sq. ft./calendar year.
- Apply by ground application only.
- Do not graze or feed clippings from treated turf areas to animals.
- Do not exceed 3 lb. product/1,000 sq.ft. every 30 days on any variety of bermudagrass. In Florida do not apply ArmorTech Zoxy-PG to bermudagrass golf course greens when temperatures exceed 90°F.

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

ArmorTech Zoxy-PG may be used for control of certain turfgrass diseases associated with turfgrass establishment from seed. ArmorTech Zoxy-PG may also be used during overseeding of dormant turfgrass.

ArmorTech Zoxy-PG may be safely applied before or after seeding or at seedling germination and emergence to ryegrass, bentgrass, bluegrass, and fescue turfgrass types. Optimum application timing is during seeding. See Application Directions section.

### Retreatment Interval

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

## DIRECTIONS FOR APPLICATION FOR TURF DISEASES

**Restriction: Do not use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.**

Target Diseases	Use Rate (lbs. product per 1000 sq ft)	Application Interval (days)	Application Instructions
Anthracnose ( <i>Colletotrichum cereale</i> ) (formerly known as <i>C. graminicola</i> )	2 - 2.5	14	Use preventively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development. Under high disease pressure, use higher rates of ArmorTech Zoxy-PG and shorter intervals. Alternate with a contact fungicide for example a Quali-Pro Chlorothalonil product.
	3.5 - 4	28	
Bentgrass Dead Spot ( <i>Ophiosphaerella agrostis</i> )	2 - 2.5	14	Begin applications prior to disease development.
	3.5 - 4	28	

Target Diseases	Use Rate (lbs. product per 1000 sq ft)	Application Interval (days)	Application Instructions
Brown Patch ( <i>Rhizoctonia solani</i> ) and other Rhizoctonia ( <i>R. spp.</i> ) diseases such as Large Patch, Zoysia Patch, Leaf & Sheath Spot ( <i>R. zeae</i> )	2 - 2.5	14	Apply when conditions are favorable for disease development.  For Large Patch of all warm season turfgrasses, make 1 or 2 applications in the fall prior to infection or when conditions are favorable for infection.  For Zoysia Patch, make 1 or 2 applications approximately one month prior to zoysiagrass dormancy. Reapply 14 to 28 days later.
	3.5 - 4	28	For Leaf and Sheath Spot ( <i>R. zeae</i> ), apply when conditions are favorable for infection such as sequential or periods of temperatures at or above 90°F. Curative control may necessitate several applications.
Cool Weather Brown Patch  Yellow Patch ( <i>Rhizoctonia cerealis</i> )	2 - 2.5	14	Make one or two applications in fall or when conditions are favorable for disease development.
	3.5 - 4	28	
Dichondra Rust ( <i>Puccinia dichondrae</i> )	2 - 2.5	14	Apply when conditions are favorable for disease development.
	3.5 - 4	28	
Dollar Spot ( <i>Sclerotinia homoeocarpa</i> )	2 - 2.5	14	Apply preventively when conditions are favorable for disease development. For non-residential turf with active Dollar Spot, use the higher rate and apply a Quali-Pro Chlorothalonil product.
	3.5 - 4	28	
Fairy Ring ( <i>Lycoperdon spp.</i> , <i>Agrocybe pediades</i> , and <i>Bovistia plumbea</i> )	2 - 2.5	14	Apply as soon as possible after Fairy Ring symptoms develop. Irrigate with at least 0.5 inch of water within 24 hours after application if rainfall is not expected. Severely damaged or thin turf may require reseeding. Fairy Ring symptoms may take 2 to 3 weeks to disappear following application. Reapplication after 14-28 days may be required in some cases
	3.5 - 4	28	



Target Diseases	Use Rate (lbs. product per 1000 sq ft)	Application Interval (days)	Application Instructions
Gray Leaf Spot <i>(Pyricularia grisea)</i>	2 - 2.5	14	Use ArmorTech Zoxy-PG in a preventive disease control program. Begin applications before disease is present and alternate with other fungicide chemistries that control Gray Leaf Spot.
	3.5 - 4	28	
Gray Snow Mold Typhula blight <i>(Typhula incarnata)</i>	5	Single application	Make a single application of 5 lb. or two applications of 4 lb. spaced 28 days apart in late fall just before snow cover. Alternating with another snow mold fungicide, such as a Quali-Pro Chlorothalonil product or Quali-Pro Propiconazole 14.3% may enhance control under severe disease pressure.
	3.5 - 4	28	
Leaf Rust Stem Rust Stripe Rust <i>(Puccinia spp.)</i>	2 - 2.5	14	Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
	3.5 - 4	28	
Leaf Spot <i>(Bipolaris sorokiniana)</i>	2 - 2.5	14	Apply when conditions are favorable for disease development.
	3.5 - 4	21	
Melting Out <i>(Drechslera poae)</i>	2 - 2.5	14	Apply when conditions are favorable for disease development.
	3.5 - 4	21	
Microdochium Patch <i>(formerly known as</i> Fusarium Patch <i>Microdochium nivale)</i>	2 - 2.5	14	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
	3.5 - 4	28	
Necrotic Ring Spot <i>(Ophiosphaerella korrae)</i>	2 - 2.5	14	Apply when conditions are favorable for disease development.
	3.5 - 4	28	
Pink Patch <i>(Limonomyses roseipellis)</i>	2 - 2.5	14	Apply when conditions are favorable for disease development.
	3.5 - 4	28	

Target Diseases	Use Rate (lbs. product per 1000 sq ft)	Application Interval (days)	Application Instructions
Pink Snow Mold <i>(Microdochium nivale)</i>	5	Single Application	Make a single application in late fall just before snow cover. Applying another snow mold fungicide, such as a Quali-Pro Chlorothalonil product or Quali-Pro Propiconazole 14.3% may enhance control under severe disease pressure.
Powdery Mildew <i>(Erysiphe graminis)</i>	2 - 2.5	14	Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
	3.5 - 4	28	
*Pythium Blight Pythium Root Rot <i>(Pythium aphanidermatum, Pythium spp.)</i>	2 - 2.5	14	Use preventatively. Begin applications before disease is present. During periods of prolonged favorable conditions, treat on the 10 day application interval. For use on newly seeded as well as established turf.
	3.5 - 4	28	
Red Thread <i>(Laetisaha fuciformis)</i>	2 - 2.5	14	Apply when conditions are favorable for disease development.
	3.5 - 4	28	
Southern Blight <i>(Sclerotium rolfsii)</i>	2 - 2.5	14	Apply when conditions are favorable for disease development.
	3.5 - 4	28	
Spring Dead Spot <i>(Ophiosphaerella korrae)</i> or <i>(Ophiosphaerella narmari)</i> or <i>(Ophiosphaerella herpotricha)</i>	2 - 2.5	14	Apply 1 or 2 applications approximately one month prior to bermudagrass dormancy. It is recommended to use 1/4" to 1/2" of irrigation directly after application. Reapply 14 to 28 days later.
	3.5 - 4	28	
Summer Patch <i>(Magnaporthe poae)</i>	2 - 2.5	14	Apply when conditions are favorable for disease development. Initiate applications when soil temperatures reach 65°F at a 2 inch soil depth.
	3.5 - 4	28	
Take-All Patch <i>(Gaeumannomyces graminis var. avenae)</i>	3.5 - 4	28	Begin applications when conditions are favorable for disease infection, prior to disease symptom development. Make two applications 28 days apart in the spring and two applications 28 days apart in the fall.

\*Do not apply more than two sequential applications of ArmorTech Zoxy-PG for control of Pythium spp. For all other diseases when Pythium spp. is not present, do not apply more than three sequential applications of ArmorTech Zoxy-PG.

### ArmorTech Zoxy-PG Rate Conversion Chart for Turf

Lb. Product per 1000 sq ft	Lb. Product per Acre	Lb. Azoxystrobin per 1000 sq ft	Lb. Azoxystrobin per Acre	Lb. Propiconazole per 1000 sq ft	Lb. Propiconazole per Acre
2	87.1	0.006	0.27	0.015	0.65
2.5	108.9	0.008	0.34	0.019	0.82
3.5	152.4	0.0109	0.47	0.026	1.14
4	174.2	0.012	0.54	0.030	1.31
5	217.8	0.016	0.68	0.038	1.63

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool, dry, secure place. Do not store near seeds, fertilizers, or foodstuffs.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticides, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill, or by other procedures approved by state and local authorities.

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

## WARRANTY STATEMENT

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of United Turf Alliance or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Turf Alliance and Seller harmless for any claims relating to such factors.

To the extent consistent with applicable law, United Turf Alliance warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or United Turf Alliance, and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, UNITED TURF ALLIANCE MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, **IT IS UNITED TURF ALLIANCE AND SELLERS INTENTION THAT** in no event shall United Turf Alliance or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UNITED TURF ALLIANCE, AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF UNITED TURF ALLIANCE OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

To the extent consistent with applicable law, United Turf Alliance and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of United Turf Alliance.