

Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD **2014-2016** LIC. NO.

8969.4

GROUP 11 FUNGICIDE

ArmorTech[®]

ZOXY™ 2 SC

Use as a broad spectrum fungicide for control of listed diseases on labeled turf and ornamental sites.

ACTIVE INGREDIENT:

Azoxystrobin: methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate* 22.9%

OTHER INGREDIENTS: 77.1%

TOTAL: 100.0%

Contains 2.08 lbs. of active ingredient per gallon.

*IUPAC

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

Refer to inside of label booklet for First Aid, Precautionary Statements and Directions for Use including Storage and Disposal instructions.

EPA Reg. No. 87290-44-86064

EPA Est. No. 86555-MO-001^{AF}, 61842-CA-001^{TK}

Letter(s) in lot number correspond to letter(s) following the EPA Est. No.

ArmorTech is a registered trademark and ZOXY is a trademark of United Turf Alliance, LLC

Distributed by:
United Turf Alliance, LLC
8014 Cumming Highway, Suite 403-282
Canton, GA 30115

Net Contents: 1 Gallon
20150504



United Turf Alliance

FIRST AID

If swallowed:

- Call a poison control center or doctor immediately for treatment advice.
- Have 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.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time or your poison control center at 1-800-222-1222.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemically resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

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 the 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.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Wash thoroughly with soap and water after handling.
- 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.

ENVIRONMENTAL HAZARDS

Azoxystrobin is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. Azoxystrobin can be persistent for several months or longer.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or regional office of the EPA.

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. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Ground Water Advisory

Azoxystrobin and a degradate of azoxystrobin are 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.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. 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 loading of azoxystrobin and a degradate of azoxystrobin from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

Notify State and/or Federal authorities and United Turf Alliance, LLC 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. Failure to follow the use directions and precautions on this label may result in plant injury or poor disease control.

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.

AGRICULTURAL USES

Commercial turf farm use (Not for use in California).

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber
- Shoes plus socks

NON-AGRICULTURAL USES

Golf Courses (Not for use in California).

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.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. The area being treated must be vacated by unprotected persons.

Do not treat areas while unprotected humans or domestic animals are present in the treatment areas. Because certain states may require more restrictive reentry intervals, consult your State Department of Agriculture for further information.

Do not allow entry into treatment area until area that was treated with this product is dry.

PRODUCT INFORMATION

ArmorTech ZOXY 2 SC is a broad spectrum, preventative fungicide with systemic and curative properties recommended for the control of many important plant diseases. ArmorTech ZOXY 2 SC may be applied as a foliar spray in alternating spray programs or in tank mixes with other registered crop protection products. All applications must be made according to the use directions that follow.

RESTRICTIONS

Do not graze or feed clippings from treated turf areas to animals.

DO NOT spray ArmorTech ZOXY 2 SC where spray drift may reach apple trees.

DO NOT spray when conditions favor drift beyond area intended for application. Conditions which may contribute to drift include thermal inversion, wind speed and direction, sprayer nozzle/pressure combinations, spray droplet size, etc. Contact your State extension agent for spray drift prevention guidelines in your area.

DO NOT use spray equipment which has been previously used to apply ArmorTech ZOXY 2 SC to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity to certain apple and crabapple varieties.

PRECAUTIONS

ArmorTech ZOXY 2 SC 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.

ArmorTech ZOXY 2 SC may demonstrate some phytotoxic effects when mixed with products that are formulated as ECs. 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.

USE INSTRUCTIONS

Application: Thorough coverage is necessary to provide good disease control. Make no more spray solution than is needed for application. Avoid spray overlap, as crop injury may occur.

Adjuvants: When an adjuvant is to be used with this product, the use of an adjuvant that meets the standards of the Chemical Producers and Distributors Association (CPDA) adjuvant certification is recommended.

Efficacy: Under certain conditions conducive to extended infection periods, use another registered fungicide for additional applications if maximum amount of ArmorTech ZOXY 2 SC has been used. If resistant isolates to Group 11 fungicides are present, efficacy can be reduced for certain diseases. The higher rates in the rate range and/or shorter spray intervals may be required under certain conditions of heavy infection pressure, with highly susceptible varieties, or when environmental conditions are conducive to disease.

INTEGRATED PEST (DISEASE) MANAGEMENT

ArmorTech ZOXY 2 SC should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. This should include selection of varieties with disease tolerance, removal of plant debris in which inoculum overwinters, and proper timing and placement of irrigation. Consult your local agricultural authorities for additional IPM strategies established for your area. ArmorTech ZOXY 2 SC may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.

RESISTANCE MANAGEMENT

GROUP	11	FUNGICIDE
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ArmorTech ZOXY 2 SC (azoxystrobin) is a Group 11 fungicide. The mode of action for ArmorTech ZOXY 2 SC is the inhibition of the QoI (quinone outside) site within the electron transport system [Group 11]. Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for the crop and use area. Consult your local or State agricultural authorities for resistance management strategies that are complementary to those in this label. Resistance management strategies may include alternating and/or tank-mixing with products having different modes of action or limiting the total number of applications per season. United Turf Alliance, LLC encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label.

Follow the crop specific resistance management recommendations in the directions for use.

If no resistance recommendation on number of applications is specified in the directions for use, follow the recommendations 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
Recommended Solo Qol fungicide sprays	1	1	2	2	2	2	2	3	3	3	3	4
Recommended Qol fungicide sprays in mixture (tank-mix formulated)	1	2	2	2	2	3	3	4	4	5	5	6

In situations requiring multiple sprays, develop season long spray programs for Group 11 (Qol) fungicides. In crops where two sequential Group 11 fungicide applications are made, they should 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 Qol 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 season.
- For Qol mixes in programs in which tank mixes or pre mixes of Qol with mixing partners of a different mode of action are utilized, the number of Qol containing applications must be no more than ½ (50%) of the total number of fungicide applications per season.
- In programs in which applications of Qol are made with both solo products and mixtures, the number of Qol containing applications must be no more than ½ (50%) of the total number of fungicide applications per season.

If 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.

SPRAY DRIFT MANAGEMENT

To avoid spray drift, do not apply when conditions favor drift beyond the target area. The interaction of many equipment and weather related factors determine the potential for spray drift. **AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR AND THE GROWER.**

ATTENTION

ArmorTech ZOXY 2 SC is extremely phytotoxic to certain apple varieties.

AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees (and apple fruit).

DO NOT spray ArmorTech ZOXY 2 SC where spray drift may reach apple trees.

DO NOT spray when conditions favor drift beyond area intended for application. Conditions which may contribute to drift include thermal inversion, wind speed and direction, sprayer nozzle/pressure combinations, spray droplet size, etc. Contact your State extension agent for spray drift prevention guidelines in your area.

DO NOT use spray equipment which has been previously used to apply ArmorTech ZOXY 2 SC to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity to certain apple and crabapple varieties.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

Do not apply when weather conditions favor drift from treated areas to non-target aquatic habitat.

MIXING AND APPLICATION METHODS

Spray Equipment

ArmorTech ZOXY 2 SC may be applied with all types of spray equipment commonly used for making ground and aerial applications. Proper adjustments and calibration of spraying equipment to give good canopy penetration and coverage is essential for good disease control.

Nozzles

- Equip sprayers with nozzles that provide accurate and uniform application.
- Nozzles should be the same size and uniformly spaced across the boom.
- Calibrate sprayer before use.
- It is suggested that screens be used to protect the pump and to prevent nozzles from clogging.
- Screens placed on the suction side of the pump should be 16-mesh or coarser.
- Do not place a screen in the recirculation line.
- Use 50-mesh or coarser screens between the pump and boom, and where required, at the nozzles.
- Check nozzle manufacturer's recommendations.

Pump

- Use a pump with capacity to:
 - (1) Maintain 35-40 psi at nozzles
 - (2) Provide sufficient agitation in tank to keep mixture in suspension – this requires recirculation of 10% of tank volume per minute.
- Use a jet agitator or liquid sparge tube for agitation.
- Do not air sparge.

For more information on spray equipment and calibration, consult sprayer manufacturers and state recommendations. For specific local directions and spray schedules, consult the current state agricultural recommendations.

Mixing Instructions

- ArmorTech ZOXY 2 SC is a suspension concentrate (SC) formulation.
- Prepare no more spray mixture than is required for the immediate operation.
- Thoroughly clean spray equipment before using this product.
- Agitate the spray solution before and during application.
- Rinse spray tank thoroughly with clean water after each day's use and dispose of pesticide rinsate by application to an already treated area.

ArmorTech ZOXY 2 SC Alone (No Tank Mix)

- Add 1/2 - 2/3 of the required amount of water to the spray or mixing tank.
- With the agitator running, add ArmorTech ZOXY 2 SC to the tank.
- Continue agitation while adding the remainder of the water.
- Begin application of the spray solution after ArmorTech ZOXY 2 SC has completely dispersed into the mix water.
- Maintain agitation until all of the mixture has been sprayed.

ArmorTech ZOXY 2 SC + Tank Mixtures: ArmorTech ZOXY 2 SC is usually compatible with all tank-mix partners listed on this label. To determine the physical compatibility of ArmorTech ZOXY 2 SC with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

ArmorTech ZOXY 2 SC has demonstrated some phytotoxic effects when mixed with products that are formulated as emulsifiable concentrates (EC). 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.

Mixing in the Spray Tank

- Add 1/2 - 2/3 of the required amount of water to the spray or mixing tank.
- With the agitator running, add the tank-mix partner(s) into the tank in the same order as described above.
- Allow the material to completely dissolve and disperse into the mix water. Continue agitation while adding the remainder of the water and ArmorTech ZOXY 2 SC to the spray tank.
- Allow ArmorTech ZOXY 2 SC to completely disperse.
- Spray the mixture with the agitator running.

APPLICATION INSTRUCTIONS THROUGH IRRIGATION SYSTEMS (CHEMIGATION)

Application Through Irrigation Systems (Chemigation)

- Use only on crops for which chemigation is specified on this label.
- Apply this product only through center pivot, solid set, hand move, or moving wheel irrigation systems. Do not apply this product through any other type of irrigation system.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- Apply in 0.1-0.25 inches/acre. Excessive water may reduce efficacy.
- If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts.
- Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label-prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Spray Preparation: Chemical tank and injector system should be thoroughly cleaned. Flush system with clean water.

Drip Irrigation: ArmorTech ZOXY 2 SC may be applied through drip irrigation systems for soilborne disease control. The soil should have adequate moisture capacity prior to drip application.

Terminate drip irrigation at fungicide depletion from the main feed supply tank or after 6 hours from start, whichever is shorter. For maximum efficacy, subsequent irrigation (water only) should be delayed for at least 24 hours following drip application.

Sprinkler Irrigation

- Apply this product through sprinkler irrigation systems including center pivot, lateral move, end tow, side [wheel] roll, traveler, big gun, solid set, or hand move irrigation systems.
- Do not apply this product through any other type of irrigation system except as specified on this label.
- Apply with center pivot or continuous-move equipment distributing ½ acre-inch or less during treatment.
- In general, use the least amount of water required for proper distribution and coverage.
- If stationary systems (solid set, handlines or wheel lines other than continuous-move) are used, this product should be injected into no more than the last 20-30 minutes of the set.
- Do not apply when winds are greater than 10-15 mph to avoid drift or wind skips.
- Do not apply when wind speed favors drift beyond the area intended for treatment.
- Plant injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform treated water.
- Thorough coverage of foliage is required for good control.
- Good agitation should be maintained during the entire application period.

If you have questions about calibration you should contact State Extension Service specialist, equipment manufacturers or other experts.

Operating Instructions

- 1) Do not apply when wind speed favors drift beyond the area intended for treatment.
- 2) The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.
- 3) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 4) The pesticide injection pipeline must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 5) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 6) The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 7) Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 8) Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
- 9) Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

Center Pivot Irrigation Equipment

Notes: (1) Use only with drive systems which provide uniform water distribution. (2) Do not use end guns when chemigating ArmorTech ZOXY 2 SC through center pivot systems because of non-uniform application.

- Determine the size of the area to be treated.
- Determine the time required to apply 1/8-1/2 inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as specified by the equipment manufacturer. When applying ArmorTech ZOXY 2 SC through irrigation equipment, use the lowest obtainable water volume while maintaining uniform distribution. Run the system at 80-95% of the manufacturer's rated capacity.
- Using water, determine the injection pump output when operated at normal line pressure.
- Determine the amount of ArmorTech ZOXY 2 SC required to treat the area covered by the irrigation system.
- Add the required amount of ArmorTech ZOXY 2 SC and sufficient water to meet the injection time requirements to the solution tank.
- Make sure the system is fully charged with water before starting injection of the ArmorTech ZOXY 2 SC solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
- Maintain constant solution tank agitation during the injection period.
- Continue to operate the system until the ArmorTech ZOXY 2 SC solution has cleared the sprinkler head.

Solid Set, Hand Move, and Moving Wheel Irrigation Equipment

- Determine the acreage covered by the sprinklers.
- Fill injector solution tank with water and adjust flow rate to use the contents over a 20 to 30-minute interval. When applying ArmorTech ZOXY 2 SC through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution.
- Determine the amount of ArmorTech ZOXY 2 SC required to treat the area covered by the irrigation system.
- Add the required amount of ArmorTech ZOXY 2 SC into the same quantity of water used to calibrate the injection period.
- Operate the system at the same pressure and time interval established during the calibration.
- Stop injection equipment after treatment is completed. Continue to operate the system until the ArmorTech ZOXY 2 SC solution has cleared the last sprinkler head.

Specific Instructions for Public Water Systems

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

TURF

Not approved for use on Turf in California

ArmorTech ZOXY 2 SC is recommended for control of anthracnose, brown patch, cool weather brown patch (yellow patch), Fusarium patch, gray leaf spot, gray snow mold (Typhula blight), leafspot, melting out, necrotic ring spot, pink patch, pink snow mold, Pythium blight, Pythium root rot, red thread, Rhizoctonia large patch, southern blight, spring dead spot, summer patch, take-all patch, and Zoysia patch on golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

Integrated Pest (Disease) Management: Sound turf management resulting in healthy, vigorous turf is the foundation of a good IPM program. Cultural practices such as proper choice of turf variety, nutrient management, proper cutting height, thatch management, and proper watering, drainage, and moisture stress management should be integrated with the use of fungicides to increase turf vigor and reduce the susceptibility to disease. Immunoassay detection kits and extension service diagnostic services can assist in the early and accurate identification of causal organisms and corresponding selection of the proper fungicide when required.

Resistance Management: Some turf disease pathogens are known to have developed resistance to products used repeatedly for their control. ArmorTech ZOXY 2 SC should be applied in a tank mix or alternation program with other registered fungicides that have a different mode of action and to which pathogen resistance has not developed. Do not apply more than two sequential ArmorTech ZOXY 2 SC applications for *Pythium* spp. control. For all other diseases when *Pythium* spp. is not present, do not apply more than three sequential applications of ArmorTech ZOXY 2 SC.

Application Directions: ArmorTech ZOXY 2 SC should be applied prior to disease development. Mix ArmorTech ZOXY 2 SC with the required amount of water and apply as a dilute spray application in 2-4 gallons of water per 1000 square feet (87-174 gallons per acre). Repeat applications at specified intervals for as long as required. For spot treatments, use 0.4 fl. oz. ArmorTech ZOXY 2 SC per 1 to 2 gallons of water. Do not apply more than 9.6 quarts product/acre/year (7.1 fl. oz. product/1000 square feet/year). Apply by ground only.

Rate Ranges: Use the shortest specified application interval and/or use the higher specified rate when prolonged favorable disease conditions exist.

Dollar Spot: ArmorTech ZOXY 2 SC does not control dollar spot. ArmorTech ZOXY 2 SC is compatible in tank mixes with many other fungicides that control dollar spot. Always tank mix ArmorTech ZOXY 2 SC with another fungicide that controls dollar spot when this disease is present. Follow directions under TANK MIXES/COMPATIBILITY above.

DIRECTIONS FOR APPLICATION FOR TURF DISEASES

Target Diseases	Use Rate (fl. oz. product per 1000 sq. ft.)	Application Interval (days)	Remarks*
Anthracnose (<i>Colletotrichum graminicola</i>)	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Brown Patch (<i>Rhizoctonia solani</i>)	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Cool weather brown patch Yellow patch (<i>Rhizoctonia cerealis</i>)	0.38-0.77	28	Make one or two applications in fall or when conditions are favorable for disease development.
Fairy Ring (<i>Lycoperdon</i> spp., <i>Agroclybe pediades</i> , and <i>Bovistia plumbea</i>)	0.77	28	Apply as soon as possible after fairy ring symptoms develop. Apply in 4 gallons of water per 1,000 sq. ft. (174 gallons/ Acre). Add the recommended rate of a wetting agent to the final spray. Severely damaged or thin turf may require reseeding. Fairy ring symptoms may take 2 to 3 weeks to disappear following application. Reapplication after 28 days may be required in some cases.
Fusarium patch (<i>Microdochium nivale</i>)	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Gray Leaf Spot (<i>Pyricularia grisea</i>)	0.38-0.77	14-28	Begin applications before disease is present and continue applications while conditions are favorable for disease development.
Gray snow mold Typhula blight (<i>Typhula incarnata</i> , <i>T. ishikariensis</i>)	1.35 0.77	Single application 14	Make a single application of 1.35 fl. oz. or two applications of 0.77 spaced 14 days apart in late fall just before snow cover. Tank mixing with another snow mold fungicide may enhance control under severe disease pressure.

Target Diseases	Use Rate (fl. oz. product per 1000 sq. ft.)	Application Interval (days)	Remarks*
Leaf Rust, Stem Rust, Stripe Rust (<i>Puccinia</i> spp.)	0.38-0.77	14-28	Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Leafspot (<i>Bipolaris sorokiniana</i>)	0.38-0.77	14-21	Apply when conditions are favorable for disease development.
Melting out (<i>Drechslera poae</i>)	0.38-0.77	14-21	Apply when conditions are favorable for disease development.
Necrotic ring spot (<i>Leptosphaeria korrae</i>)	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Pink patch (<i>Limonomyses roseipellis</i>)	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Pink snow mold (<i>Microdochium nivale</i>)	1.35 0.77	Single application 14	Make a single application of 1.35 fl. oz. or two applications of 0.77 spaced 14 days apart in late fall just before snow cover. Tank mixing with another snow mold fungicide may enhance control under severe disease pressure.
Powdery Mildew (<i>Erysiphe graminis</i>)	0.38-0.77	14-28	Begin applications when conditions are favorable for disease infections prior to disease symptom development.
Pythium blight Pythium root rot (<i>Pythium aphanidermatum</i> , <i>Pythium</i> spp.)	0.38-0.77	10-14	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.
Red thread (<i>Laetisaria fuciformis</i>)	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Rhizoctonia large patch (<i>Rhizoctonia solani</i>)	0.38-0.77	28	Make one or two applications in fall or when conditions are favorable for disease development.

Target Diseases	Use Rate (fl. oz. product per 1000 sq. ft.)	Application Interval (days)	Remarks*
Southern blight (<i>Sclerotium rolfsii</i>)	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Spring dead spot (<i>Leptosphaeria korrae</i>) or (<i>Gaeumannomyces graminis</i> <i>var. graminis</i>) or (<i>Ophios- phaerella herpotricha</i>)	0.38-0.77	28	Make one or two applications in fall or when conditions are favorable for disease development.
Summer patch (<i>Magnaporthe poae</i>)	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Take-all patch (<i>Gaeumannomyces graminis</i> <i>var. avenae</i>)	0.38-0.77	28	Make two applications 28 days apart in the spring and two applications 28 days apart in the fall.
Zoysia patch (<i>Rhizoctonia solani</i> and/ or <i>Gaeumannomyces</i> <i>incrustana</i>)	0.38-0.77	28	Make one or two applications in late fall before snow cover or when conditions are favorable for disease development. Do not apply on top of snow.

*Do not apply more than two sequential applications of ArmorTech ZOXY 2 SC for control of *Pythium* spp. For all other diseases, do not apply more than four sequential applications of ArmorTech ZOXY 2 SC.

ArmorTech ZOXY 2 SC Rate Conversion Chart for Turf

Fluid Ounces Product Per 1000 Sq. Ft.	Ounces A.I. Per 1000 Sq. Ft.	Fluid Ounces Product Per Acre	Pints of Product Per Acre
0.4	0.104	17.4	1.1
0.5	0.130	21.8	1.4
0.6	0.156	26.1	1.6
0.7	0.182	30.5	1.9
0.77	0.200	33.5	2.1
1.35	0.35	58.8	3.7

Amount of ArmorTech ZOXY 2 SC to Mix 100 Gallons for Turf Applications

ArmorTech ZOXY 2 SC Use Rate (fl. oz.)	Spray Volume (gallons/1000 square feet)		
	2.0 gals. (fl. oz.)	3.0 gals. (fl. oz.)	4.0 gals. (fl. oz.)
0.4	20	13	10
0.5	25	17	13
0.6	30	20	15
0.7	35	23	18
0.77	38.5	25.7	19.3
1.35	67.5	45	33.75

ORNAMENTALS

ArmorTech ZOXY 2 SC is recommended for control of certain pathogens causing foliar, aerial, and root diseases, including leaf, tip, and flower blights, leaf spots, downy mildew, powdery mildew, anthracnose and rusts of ornamental plants. ArmorTech ZOXY 2 SC may be used to control listed diseases of herbaceous, deciduous and evergreen ornamentals and listed vegetable seedlings and transplants grown in greenhouses, lath houses, hoop houses, high tunnel and shadehouses, and herbaceous, deciduous and evergreen ornamentals grown in field, container, nurseries, retail nurseries, and other residential and commercial landscape areas. Do not use this product for the production of edible crops or food.

Do not exceed 2.4 gallons product/crop acre/year or 8 applications/crop/year.

Do not exceed 600 gallons spray volume per acre for foliar applications.

Do not exceed 2 pints volume per square foot for drench and crown applications.

Integrated Pest (Disease) Management:

ArmorTech ZOXY 2 SC should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, winter and/or spring pruning, plant residue management and proper timing and placement of irrigation.

Resistance Management: Some ornamental disease pathogens are known to have developed resistance to fungicides used repeatedly for their control. ArmorTech ZOXY 2 SC should be applied in an alternation or tank mix program with other registered fungicides that have a different mode of action and to which pathogen resistance has not developed. Do not make more than two (2) sequential applications of ArmorTech ZOXY 2 SC before alternating with a fungicide of a different mode of action. Do not alternate ArmorTech ZOXY 2 SC with other FRAC 11 or strobilurin fungicides.

Application Directions: Apply ArmorTech ZOXY 2 SC as a broadcast or banded spray targeted at the foliage or crown of the plant. Apply to runoff in sufficient water to ensure complete coverage of the target plant. Good coverage and wetting of foliage is necessary for best control. Refer to the label for specific use directions for control of certain diseases. Repeat applications at specified intervals (plus alternations for resistance management) for as long as required. Applications may be made by ground only.

ArmorTech ZOXY 2 SC applications should begin prior to disease development and continue throughout the season at specified intervals following resistance management guidelines. ArmorTech ZOXY 2 SC works best when used as part of a preventative disease management program.

Use only surfactants approved for ornamental plants in combination with ArmorTech ZOXY 2 SC. Do not use silicone based products with this product due to possible phytotoxicity. Always test tank mixes on a small group of representative plants prior to broad scale use.

Apply ArmorTech ZOXY 2 SC at use rates of 1.9-7.7 fluid ounces/100 gallons every 7-28 days (or as otherwise specified for a specific plant or disease). The addition of a non-silicone based wetter-sticker at the specified use rate may enhance coverage on hard-to-wet plant foliage.

Under most conditions and for most diseases, apply 3.9-7.7 fluid ounces/100 gallons on a 7-14 day interval.

Under light to moderate disease pressure, use the lower rates (1.9-3.9 fl oz/100 gallons) on a 7-14 day interval or the higher rates (5.8-7.7 fl oz/100 gallons) on a longer 14-28 day interval.

Under environmental conditions which promote severe disease development, use the higher rates (5.8-7.7 fl oz/100 gallons) on a 7-14 day interval. Use of ArmorTech ZOXY 2 SC as a "rescue" (late curative or eradicator) treatment may not always result in satisfactory disease control.

In addition, do not tank mix ArmorTech ZOXY 2 SC with other fungicides, insecticides, herbicides, fertilizers, adjuvants, etc., unless local experience indicates that the tank mix is safe to ornamental plants.

Drench Application: ArmorTech ZOXY 2 SC may be applied to control soilborne, seedling, and crown diseases of production ornamentals (greenhouse, hoop house, lath house, shadehouse, and field or container grown) as a preventative, drench treatment prior to infection. Good coverage of the pre-infection area (root zone, root ball, crown, etc.) is necessary for satisfactory control. ArmorTech ZOXY 2 SC may be drench applied to container grown ornamentals using 0.39-1.7 fluid ounces/100 gallons of water. Apply 1-2 pints of the solution per square foot surface area on a 7-28 day interval. Apply drench prior to infection as healthy roots are necessary to optimize product uptake, systemic translocation and disease protection. For resistance management do not make more than three sequential drench applications of ArmorTech ZOXY 2 SC before alternating with a fungicide of a different mode of action. Caution should be taken before making application of ArmorTech ZOXY 2 SC as a drench to small bedding plants in the seedling/plug stage due to possible phytotoxicity. A limited quantity of plants should be tested prior to full-scale application.

Drip Irrigation: ArmorTech ZOXY 2 SC may be applied through drip irrigation systems to potted ornamentals or to bedded, field grown ornamentals for soil-borne disease control. Apply 3.9-30.8 fluid ounces ArmorTech ZOXY 2 SC per acre as a preventative disease application. The soil or potting media should have adequate moisture capacity prior to drip application. Terminate drip irrigation at fungicide depletion from the main feed supply tank or after 6 hours from start, whichever is shorter. For maximum efficacy, subsequent irrigation (water only) should be delayed

for at least 24 hours following drip application.

Ornamental Use Precautions

Do not apply ArmorTech ZOXY 2 SC to apple or cherry trees (Flowering, Yoshina variety) due to possible phytotoxicity. Furthermore, do not use spray equipment that has applied ArmorTech ZOXY 2 SC for use in these sensitive crops due to possible phytotoxicity from residue remaining in the sprayer. ArmorTech ZOXY 2 SC may be applied to certain varieties of crabapple for control of apple scab. ArmorTech ZOXY 2 SC has been shown to be safer when applied to the species and varieties listed in Table 3. However, due to the large number of genera, species, and varieties of crabapple, it is impossible to test every one for tolerance to ArmorTech ZOXY 2 SC. The professional user should conduct small scale testing to insure plant safety prior to broadscale commercial use on plant genera and species not listed on the label.

TABLE 1: Diseases Controlled: When used in accordance with the label directions, ArmorTech ZOXY 2 SC will provide control of the following diseases of ornamental plants:

Disease [Pathogen]	Use Rates and Specific Instructions [fluid ounces product per 100 gallons]
[1] CONIFER BLIGHTS Phomopsis Blight (<i>Phomopsis juniperovora</i>) Tip Blight (<i>Sirococcus strobilinus</i>)	1.9-7.7 fl oz every 7-28 days
[2] LEAF BLIGHTS/LEAF SPOTS Alternaria Leaf Spot (<i>Alternaria</i> spp.) Anthracnose (<i>Colletotrichum</i> spp., <i>Elsinoe</i> spp.)	1.9-7.7 fl oz every 7-28 days
Downy Mildew of Rose (<i>Peronospora sparsa</i>)	3.9 – 7.7 fl oz every 7-21 days during periods of active plant growth prior to dormancy or severe infection.
Entomosporium Leaf Spot (<i>Entomosporium mespili</i>)	1.9 – 7.7 fl oz every 7-28 days
Iris Leaf Spot (<i>Mycosphaerella macrospora</i>)	3.9 – 7.7 fl oz every 7-28 days
Leaf Spot (<i>Cladosporium echinulatum</i>)	1.9 – 7.7 fl oz every 7-28 days
Rose Blackspot (<i>Diplocarpon rosea</i>)	7.7 – 15.4 fl oz every 7-14 days. Under severe disease conditions or if disease is already present, ArmorTech ZOXY 2 SC may be tank mixed with other fungicides such as Protect, Legend, or 3336 for enhanced disease management. Do not exceed 46 fl oz. per acre per application.
Myrothecium leaf spot (<i>Myrothecium</i> spp.)	3.9 – 7.7 fl oz every 7-21 days

Disease [Pathogen]	Use Rates and Specific Instructions [fluid ounces product per 100 gallons]
Downy Mildew of bedding plants (<i>Peronospora</i> spp.)	1.9 – 7.7 fl oz every 7-28 days
Scab (<i>Venturia inaequalis</i>)	For crabapples only, see Table 3 for tolerant species. Do not apply to apple trees. 1.9 – 7.7 fl oz every 10-28 days.
Marssonina Leaf Spot (<i>Marsonina</i> spp.)	1.9 – 7.7 fl oz every 14-28 days.
Cercospora Leaf Spot (<i>Cercospora</i> sp.)	1.9 – 7.7 fl oz every 7-28 days.
[3] POWDERY MILDEW <i>Erysiphe pannosa</i> , <i>Erysiphe</i> spp. <i>Microsphaera azalea</i> <i>Sphaerotheca pannosa</i>	Preventative applications only. Do not make more than 2 sequential applications before rotating to another class of fungicide. 1.9 – 7.7 fl oz every 7-28 days
[4] RUSTS Needle Rust (<i>Melampsora occidentalis</i>) <i>Phragmidium</i> spp. <i>Puccinia</i> spp. <i>Gymnosporangium</i> spp.	1.9 – 7.7 fl oz every 7-28 days. Alternation with a DMI Class fungicide such as Torque can enhance disease management.
[5] FLOWER BLIGHTS	
Anthracnose (<i>Collectotrichum</i> spp., <i>Elsinoe</i> spp.)	1.9–7.7 fl oz every 7-28 days
Botrytis Blight (<i>Botrytis cinerea</i>)	For suppression only. 7.7–15.4 fl oz every 7-21 days. Do not exceed 46 fl oz/acre. Rotation or tank mixing with other fungicides such as Protect, Legend, Spectro, Affirm, or 3336 will enhance disease management.
[6] SHOOT/STEM DISEASES Aerial/Shoot Blight (<i>Phytophthora</i> spp.)	1.9 –3.9 fl oz every 7-28 days

Disease [Pathogen]	Use Rates and Specific Instructions [fluid ounces product per 100 gallons]
[7] SOILBORNE DISEASES [Directed Spray] <i>Rhizoctonia solani</i> <i>Sclerotium rolfsii</i> <i>Fusarium</i> spp.	Apply as a directed spray to the soil surface and lower stem and crown area of the plant. 1.9–7.7 fl oz every 7-21 days.
[8] SOILBORNE DISEASES [Drench] <i>Rhizoctonia solani</i> <i>Sclerotium rolfsii</i> <i>Fusarium</i> spp.	0.39–1.7 fl oz [11-51 mL] Apply 1-2 pints of the solution per square foot surface area, every 7-28 days. See Ornamentals Section for additional drench directions.

PLANT SAFETY: ArmorTech ZOXY 2 SC has been shown to be safe when applied to the ornamental plants listed in Tables 2 and 3. However, due to the large number of genera, species and varieties of ornamental and nursery plants, it is impossible to test every one for tolerance to ArmorTech ZOXY 2 SC. Neither the manufacturer nor the seller has determined whether or not ArmorTech ZOXY 2 SC can be used safely on genera, species, or varieties of ornamental and nursery plants not specified on this label. The professional user should conduct small scale testing to ensure plant safety prior to broad scale commercial use on plant genera and species not listed in this label. In addition, do not tank mix ArmorTech ZOXY 2 SC with other fungicides, insecticides, herbicides, fertilizer, adjuvants, etc., unless local experience indicates that the tank mix is safe to ornamental plants.

Do not apply ArmorTech ZOXY 2 SC to certain apple, crabapple, or cherry trees due to possible phytotoxicity. Furthermore, do not use spray equipment that has applied ArmorTech ZOXY 2 SC for use in these sensitive crops due to possible phytotoxicity from residue remaining in the sprayer.

Tolerant Ornamental Plants: ArmorTech ZOXY 2 SC has been found to be safe when applied to the plants listed in Tables 2 and 3 when applied according to specified application methods, rates, and timings.

TABLE 2: Tolerant Plants Listed by Botanical Name

BOTANICAL NAME	COMMON NAME	DISEASES
<i>Abelia</i> spp.	Abelia	2
<i>Abies fraseri</i>	Fraser fir	1,4
<i>Abies procera</i>	Noble fir	1,4
<i>Acer palmatum</i>	Japanese maple	2
<i>Acer saccharum</i>	Sugar maple	2
<i>Ageratum</i> spp.	Floss-Flower	3,4
<i>Ageratum</i> spp.	Pussy's-Foot	3,4
<i>Aglonema</i> spp.	Chinese evergreen	2,4
<i>Ajuga reptans</i>	Bugle, Bugleweed	3
<i>Antirrhinum</i> spp.	Snap-Dragon	2[DM],3,4
<i>Aphelandra</i> spp.	Zebra-Plant	2
<i>Artemisia</i> spp.	Mugwort, Sagebrush	2
<i>Artemisia</i> spp.	Wormwood	2
<i>Aster</i> spp.	Aster, Starwort	4
<i>Aucuba japonica</i>	Japanese aucuba, Japanese laurel	7
<i>Begonia</i> spp. (except Rieger begonia)	Begonia	2,3
<i>Berberis thunbergii</i>	Barberry	3,4
<i>Betula nigra</i>	River birch	3,4
<i>Bougainvillea</i> spp.	Bougainvillea	2
<i>Brassaia actinophylla</i>	Rubber-tree, Umbrella-tree	2,7
<i>Buddleia davidii</i>	Buddleia, Butterfly-bush	2
<i>Buxus sempervirens</i>	Boxwood	2,7 [Rhizoctonia]
<i>Caladium</i> spp.	Caladium	7

BOTANICAL NAME	COMMON NAME	DISEASES
<i>Camellia japonica</i>	Camellia	2
<i>Caryota urens</i>	Sago Palm	2,7
<i>Catharanthus roseus</i>	Vinca	2
<i>Ceanothus sanguineus</i>	Wild lilac	3
<i>Ceanothus</i> spp.	Ceanothus, California lilac, Snowball	3
<i>Cedrus atlantica</i>	Atlas cedar	2,4
<i>Cedrus</i> spp.	White cedar	2,4
<i>Cercis occidentalis</i>	Western redbud	2
<i>Chamaecyparis</i> spp.	Cypress, Leyland cypress	1
<i>Chamaecyparis pisifera</i>	Sawara cypress	1
<i>Chamaedora elegans</i>	Parlor palm	7
<i>Chrysanthemum</i> spp.	Chrysanthemums	2, 7 [Fusarium]
<i>Clethra alnifolia</i>	Clethra, White alder	2
<i>Cornus</i> spp.	Dogwood, Pink dogwood, Flowering dogwood	2 [Anthracnose],3
<i>Cornus florida</i>	Dogwood	2 [Anthracnose],3
<i>Cortaderia selloana</i>	Pampas grass	3
<i>Cotoneaster adpressus</i>	Creeping Cotoneaster	7
<i>Cotoneaster horizontalis</i>	Cotoneaster – variegated rockspray	7
<i>Cyclamen</i> spp.	Cyclamen	7 [Fusarium]
<i>Cyperus</i> spp.	Cyperus	1
<i>Delphinium</i> spp.	Larkspur	2
<i>Dianthus caryophyllus</i>	Carnation	3,4
<i>Dianthus</i> spp.	Pink	3,4

BOTANICAL NAME	COMMON NAME	DISEASES
<i>Dieffenbachia</i> spp.	Oumb-Cane	2
<i>Dietes iridiodes</i>	African iris, Butterfly iris	4 [Puccinia]
<i>Digitalis</i> spp.	Foxglove	2,3
<i>Epipremnum</i> spp.	Pothos	2
<i>Erica dareyensis</i>	Heather	2
<i>Euonymus alata</i>	Dwarf winged euonymus	2
<i>Euonymus alatus</i>	Burning bush	2
<i>Euonymus japonicus</i>	Evergreen euonymus	2
<i>Euphorbia</i> spp.	Poinsettia	2 [Alternaria]
<i>Fatsia japonica</i>	Japanese fatsia, Paper-plant	2
<i>Ficus</i> spp.	Fig	2
<i>Forsythia viridissima</i>	Forsythia	2
<i>Gaillardia</i> spp.	Blanket-Flower	2
<i>Gardenia jasminoides</i>	Gardenia	3
<i>Geranium</i> spp.	Cranesbill	5 [Botrytis]
<i>Gerbera jamesonii</i>	Gerber daisy, Transvaal daisy	3
<i>Hedera Algeriensis</i>	Algerian ivy	2
<i>Hedera helix</i>	English ivy	2
<i>Hibiscus moscheutos</i>	Hibiscus	2,3
<i>Hibiscus rosa-sinensis</i>	Hibiscus	2,3
<i>Hibiscus syriacus</i>	Rose of Sharon	2,3
<i>Hosta</i> spp.	Hosta	2
<i>Hydrangea macrophylla</i>	French hydrangea	2,3

BOTANICAL NAME	COMMON NAME	DISEASES
<i>Hydrangea</i> spp.	Hydrangea	2,3
<i>Ilex</i> spp.	Holley, Winterberry, Yaupon	3
<i>Impatiens</i> spp ¹	Balsam, Impatiens ¹	2 [Alternaria], 7 [Rhizoctonia]
<i>Iris xiphium</i>	Iris (bulbous, Spanish, Dutch)	2 [Iris Leaf Spot]
<i>Itea virginica</i>	Virginia willow	3,4
<i>Juniperus procumbens</i>	Juniper	1 [Phomopsis], 4
<i>Juniperus scopulorum</i>	Juniper	1 [Phomopsis], 4
<i>Juniperus</i> spp.	Juniper	1 [Phomopsis], 4
<i>Juniperus virginiana</i>	Red cedar	1 [Phomopsis], 4
<i>Lagerstroemia indica</i>	Crapemyrtle	2,3
<i>Laurus nobilis</i>	Laurel	3
<i>Lilium</i> spp.	Asiatic Lily	2
<i>Liriope muscari</i>	Lily-turf	2
<i>Lobulaha maritime</i>	Sweet alyssum	7
<i>Magnolia grandiflora</i>	Southern magnolia	2
<i>Magnolia soulangiana</i>	Saucer magnolia	2
<i>Magnolia</i> spp.	Magnolia	2
<i>Malus</i> spp.	Crabapple (See Table 3 for variety list)	2 [Scab]
<i>Nandina domestica</i>	Nandina	2
<i>Nerium oleander</i>	Oleander, Rose-bay	2
<i>Pelargonium</i> spp.	Geranium	3, 4, 5 [Botrytis]
<i>Pennisetum alopecuroides</i>	Grass	2
<i>Peperomia</i> spp.	Baby rubber-plant	2,7

BOTANICAL NAME	COMMON NAME	DISEASES
<i>Petunia</i> spp.	Petunia	6
<i>Phalaris</i> spp.	Dwarf pampas grass	3
<i>Philodendron</i> spp.	Philodendron	2
<i>Phlox</i> spp.	Phlox	3
<i>Phoenix dactylifera</i>	Date palm	2,7
<i>Phoenix roebelenii</i>	Roebelin's palm	2,7
<i>Photinia glabra</i>	Red-tip photinia	2, 3, 4
<i>Picea abies</i>	Norway spruce	1
<i>Picea glauca</i>	White spruce	1
<i>Picea pungens</i>	Blue spruce	1
<i>Pieris japonica</i>	Japanese Andromeda	2,7
<i>Pinus muhgo</i>	Muhgo pine	1 [Tip Blight], 4
<i>Pinus nigra</i>	Black pine	1 [Tip Blight], 4
<i>Pinus silvestris</i>	Scotch pine	1,4
<i>Pinus</i> spp.	Pine	1 [Tip Blight], 4
<i>Pinus strobus</i>	Eastern white pine	1 [Tip Blight], 4
<i>Pittosporum</i> spp.	Australian laurel	3,4
<i>Pittosporum tobira</i>	Mock-orange	3,4
<i>Plectranthus</i> spp.	Swedish ivy, Coleus	2
<i>Populus trichocarpa</i>	Poplar	4
<i>Populus</i> spp.	Aspen Trees	2
<i>Potentilla</i> spp.	Cinquefoil	2
<i>Primula</i> spp.	Primrose	2

BOTANICAL NAME	COMMON NAME	DISEASES
<i>Prunus pumila</i>	Cherry	2,5
<i>Prunus</i> spp.	Flowering plum, Purple-leaf plum	2,5
<i>Pseudotsuga</i> spp.	Douglas fir	1,4
<i>Pyrus calleryana</i>	Bradford's pear	3
<i>Quercus falcata</i>	Red oak	2,3
<i>Quercus palustris</i>	Pin oak	2,3
<i>Rhaphiolepis indica</i>	Indian hawthorn	2, 3, 4
<i>Rhododendron</i> spp.	Azaleas, Rhododendron	2 [Anthracnose], 3, 6, 7
<i>Rhododendron</i> spp.	Glacier Azalea	2 [Anthracnose], 3, 6, 7
<i>Rosa</i> spp.	Rose	2 [Alternaria, Downy Mildew, 3 [Sphaerotheca], 4 [Phragmidium]
<i>Rosmarinus</i> spp.	Rosemary (prostrate)	2
<i>Rudbeckia hirta</i>	Black-eyed-susan	2
<i>Salvia</i> spp.	Sage	3,4
<i>Schlumbergera</i>	Holiday cactus	2,7
<i>Sedum</i> spp.	Orpine, Stonecrop	2
<i>Sempervivum</i> spp.	Live-forever, House-Leek	2
<i>Setaria</i> spp.	Ribbon-grass	2,3
<i>Spathiphyllum floribundium</i>	Peace lily	2,7
<i>Spirea budalda</i>	Spirea	3
<i>Spirea japonica</i>	Spirea	3
<i>Syagrus romanzoffianum</i>	Queen palm	2

BOTANICAL NAME	COMMON NAME	DISEASES
<i>Tagetes</i> spp.	Marigold	2 [Alternaria]
<i>Taxus baccata</i>	Spreading yew	7
<i>Thuja plicata</i>	Western Red Cedar	4
<i>Thujaopsia</i> spp.	Arborvitae	2
<i>Thymus serpyllum</i>	Creeping thyme	2
<i>Tsuga heterophylla</i>	Western Hemlock	4
<i>Tsuga</i> spp.	Hemlock	4
<i>Verbena</i> spp.	Verbena, Vervain	3
<i>Viburnum</i> spp.	Viburnum	2, 3, 4
<i>Vinca</i> spp.	Periwinkle	2,6
<i>Viola</i> spp. ¹	Viola, Pansy ¹	2
<i>Wiegela florida</i>	Pink wiegela	2
<i>Yucca</i> spp.	Yucca	7
<i>Zinnia</i> spp.	Zinni	2 [Alternaria], 3

Footnotes: ¹Do not exceed 3.9 fl oz/100 gallons on indicated species.

TABLE 3: Tolerant Varieties of Crabapple and Other Malus Species

Arkansas Black	Eleyi	Mary Potter	<i>M. sieboldii</i>
<i>M. atrosanguinea</i>	Enterprise	Molten Lava	Selkirk
<i>M. baccata</i>	Evereste	New Centennial	Sentinel
<i>M. baccata</i> var. <i>jackii</i>	Eyelynn	Ormiston Roy	Silver Moon
<i>M. baccata</i> var. <i>mandshurica</i>	<i>M. floribunda</i>	Pink Satin	Silverdrift
Callaway	Gloriosa	Prairie Maid	Sinai Fire
Candymint Sargent	Golden Delicious	Prairifire	<i>M. spectabilis</i>
Christmas Holly	Golden Raindrops	Profusion	Sugar Tyme
<i>M. coronaria</i>	Hopa	<i>M. pumila</i>	Van Eseltine
David	Indian Magic	Ralph Shay	White Angel
Dolgo	Island	Red Jade	Williams Pride
Donald Wyman	Katherine	Red Baron	Winter Gold
Dorothea	Lancelot	Sargent	Yellow Delicious
Doubloons	Louisa	<i>M. sargentii</i>	<i>M. zumi Calocarpa</i>

TABLE 4: Intolerant Plants – Do Not Apply ArmorTech ZOXY 2 SC to these species or varieties.

COMMON NAME	BOTANICAL NAME
Apple	<i>Malus domestica</i>
Crabapple – Flame variety	<i>Malus</i> spp.
Crabapple – Brandywine variety	<i>Malus</i> spp.
Crabapple – Novamac variety	<i>Malus</i> spp.
Cherry, Flowering – Yoshina variety	<i>Prunus yedoensis</i> .
Leatherleaf Fern and Other Ferns for cut foliage	<i>Rumohra adianformis</i> and other species for cut foliage
Privet	<i>Ligustrum</i> spp.

Conifers including Christmas Trees

ArmorTech ZOXY 2 SC may be used to control certain diseases on conifers in production (indoor and outdoor) and landscape situations. Please see the Ornamental Section above for more detailed directions for use in landscape situations.

Target Disease	Use Rate fluid ounces product/A (lb a.i./A)	Application Directions
Diplodia tip blight (<i>Diplodia pinea</i>) Lophodermium Needlecast (<i>Lophodermium pinastri</i>) Swiss Needlecast (<i>Phaeocryptopus gaumannii</i>)	6.2 -15.4 (0.1 – 0.25)	Begin applications prior to disease development and continue throughout the season at 7-21-day intervals following the resistance management guidelines. Apply by ground, air, or chemigation. An adjuvant may be added at label specified rates. Do not make more than two (2) sequential applications of this product or other Group 11 fungicides before alternating with a fungicide that has a different mode of action.
Specific Use Restrictions: Do not exceed 1 gallon of this product/Acre per season.		

COMMERCIAL PRODUCTION ROSES

Target Disease	Use Rate fluid ounces product/A (lb a.i./A)	Application Directions
<p>Downy Mildew (<i>Peronospora sparsa</i>)</p> <p>Powdery Mildew (<i>Sphaerotheca pannosa</i>)</p> <p>Rust (<i>Phragmidium mucronatum</i>, <i>P. tuberculatum</i>, and other <i>Phragmidium</i> spp.)</p> <p>Septoria Leaf Spot (<i>Septoria rosea</i>)</p> <p>Alternaria Leaf Spot (<i>Alternaria alternata</i>)</p>	<p>3.1 – 15.4 (0.05 – 0.25)</p>	<p>Begin application prior to disease development and continue throughout the season on 7-21 day intervals following the resistance management guidelines. Applications may be made by ground, air, or chemigation. An adjuvant may be added at recommended rates.</p> <p>Do not make more than 4 sequential applications of ArmorTech ZOXY 2 SC before alternating with a fungicide that is not in Group 11. Do not make more than 8 applications per acre per year.</p>
Specific Use Restrictions: Do not exceed 1 gallon of this product/Acre per season.		

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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 of the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) 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 1/4 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 reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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.

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, LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Turf Alliance, LLC and Seller harmless for any claims relating to such factors.

United Turf Alliance, LLC 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, LLC, and Buyer and User assume the risk of any such use. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, UNITED TURF ALLIANCE, LLC 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, neither United Turf Alliance, LLC nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UNITED TURF ALLIANCE, LLC 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, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

United Turf Alliance, LLC 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, LLC.

EPA 20150430

ArmorTech®

ZOXY™ 2 SC

Use as a broad spectrum fungicide for control of listed diseases on labeled turf and ornamental sites.

GROUP	11	FUNGICIDE
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ACTIVE INGREDIENT

Azoxystrobin: methyl (E)-2-(2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl)-3-methoxyacrylate* 22.9%

OTHER INGREDIENTS:..... 77.1%

TOTAL 100.0%

Contains 2.08 lbs. of active ingredient per gallon.

*IUPAC

EPA Reg. No. 87290-44-86064

EPA Est. No. 86555-MO-001^{AF}, 61842-CA-001TM

Letter(s) in lot number correspond to letter(s) following the EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.

FIRST AID

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have 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.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time or your poison control center at 1-800-222-1222.

NET CONTENTS: 1 Gallon

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

Distributed by:

United Turf Alliance, LLC

8014 Cumming Highway, Suite 403-282, Canton, GA 30115

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PEEL BACK BOOK HERE