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AZOXYSTROBIN	GROUP	3	FUNGICIDE
PROPICONAZOLE	GROUP	11	FUNGICIDE



ARTAVIA™

Xcel



Contains azoxystrobin & propiconazole, the active ingredients used in Headway®.

Broad-spectrum fungicide for control of turf diseases

ACTIVE INGREDIENTS:

Azoxystrobin: methyl (E)-2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate*	(%) by weight
Propiconazole: (CAS No. 60207-90-1)	5.73%
OTHER INGREDIENTS:	9.54%
TOTAL	84.73%
	100.0%

Contains 0.868 lb. of propiconazole and 0.521 lb. of azoxystrobin per gallon.

*IUPAC

EPA Reg. No.: 91234-79

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.)

See below for additional Precautionary Statements.

FIRST AID	
If in eyes:	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on skin or clothing:	<ul style="list-style-type: none"> 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. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

**For Chemical Emergency: Spill, Leak, Fire, Exposure, or Accident,
Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

Artavia™ Xcel is not manufactured, or distributed by Syngenta Crop Protection, LLC, seller of Headway®.



Manufactured for:
Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

HARMFUL IF SWALLOWED. Causes moderate eye irritation. Avoid contact with eyes or clothing. 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)

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

Applicators and other handlers must wear:

- Protective eyewear such as goggles or face shield
- Long-sleeved shirt and long pants
- Chemical-resistant gloves made barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, polyvinyl chloride \geq 14 mils or viton \geq 14 mils
- 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.

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:

- 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.
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Environmental Hazards

Propiconazole: This product is toxic to fish and shrimp (aquatic invertebrates). Do not apply directly to water. 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 neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

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. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow may result in ground water contamination.

Notify state and/or Federal authorities and Atticus, LLC immediately if you observe any adverse environmental effects due to use of this product.

PHYSICAL OR CHEMICAL HAZARDS

Do not use with or store near any oxidizing or reducing agents. Do not mix or allow to come in contact with oxidizing or reducing agents. Do not allow the ratio of product: water in field to exceed 1:1. Hazardous chemical reaction may occur.

Do not mix or allow coming in contact with oxidizing agents & monoammonium phosphate. Hazardous chemical reaction may occur.

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.

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

For use to control diseases on turf on Sod Farms.

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), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Exception: if product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 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
- Shoes and socks
- Chemical-resistant gloves made of any waterproof material

NON-AGRICULTURAL USES

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 **Artavia Xcel** is dry.



PRODUCT INFORMATION

Artavia Xcel is a combination of two broad-spectrum, preventative fungicides with systemic properties recommended for the control of many important turfgrass diseases. **Artavia Xcel** may be applied as a foliar spray in alternating spray programs or in tank mixes with other registered, turf protection products. All applications must be made according to the use directions that follow.

Artavia Xcel can improve plant vigor and quality. The additional benefits are due to positive effects on plant physiology, which can vary according to plant species and growing environment.

RESTRICTIONS

DO NOT graze or feed clippings from treated turf areas to animals.

DO NOT apply **Artavia Xcel** to turf by air.

CHEMIGATION

DO NOT apply this product through any irrigation/chemigation system.

PRECAUTION:

Artavia Xcel 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.

INTEGRATED PEST (DISEASE) MANAGEMENT

Artavia Xcel must be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required unless otherwise directed. Follow cultural practices to reduce disease development. The **SPECIFIC USE DIRECTIONS** section in this label identifies specific IPM recommendations. Consult your local turf authority for additional IPM strategies established for your area. **Artavia Xcel** 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

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

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

- Rotate the use of **Artavia Xcel** or other Group 3 and Group 11 fungicides within a growing season sequence with different groups that control the same pathogens.
- 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 disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact Atticus, LLC. You can also contact your pesticide distributor or university extension specialist to report resistance.

Resistance management strategies may include rotating and/or tank-mixing with products having different modes of action or limiting the total number of applications per year. Avoid alternation with other QoIs, such as pyraclostrobin and trifloxystrobin or other DMI's such as triadimefon, fenarimol, and myclobutanil. **Artavia Xcel** must not be alternated or tank mixed with fungicides to which resistance has already developed. Continual use of **Artavia Xcel** may allow less sensitive strains of pathogens to increase in the population and reduce the efficacy of **Artavia Xcel**. Atticus, LLC encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label.

Use of a multiple-site contact fungicide such as Chlorothalonil as an alternation or tank-mix partner can help alleviate selection pressure on pathogens and delay the onset of resistance. However, Restriction: **DO NOT** use Chlorothalonil or other products containing chlorothalonil on home lawns or turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields, athletic fields located on or next to schools (i.e., elementary, middle and high schools), campgrounds, churches and theme parks.

Since pathogens differ in their potential to develop resistance to fungicides, the **SPECIFIC USE DIRECTIONS** section in this label provides resistance management strategies specific for each disease.

SPRAYING/MIXING

Restrictions

- Do not apply **Artavia Xcel** to turf by air.
- Do not apply **Artavia Xcel** through any type of ultra-low-volume (ULV) spray system (less than 3 gal/A). Proper adjustments and calibration of spraying equipment to give good canopy penetration and coverage is essential for good disease control.

Artavia Xcel may be applied with all types of spray equipment commonly used for making ground applications.

The higher rates in the rate range and/or shorter spray intervals may be required under conditions of heavy infection pressure, highly susceptible varieties, or when disease-conducive environmental conditions exist.

Apply **Artavia Xcel** in sufficient water volume for adequate coverage.

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Wind Speed

Do not apply at wind speeds greater than 15 mph.

Droplet Size

Apply as a medium or coarser spray (ASAE Standard 572).

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of propiconazole. Where states have more stringent regulations, they must be observed.

Equipment

All application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Additional requirement for groundboom application:

1. Do not apply with a nozzle height greater than 4 feet above the crop canopy.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

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 apply when weather conditions favor drift from treated areas to non-target aquatic habitat.

DO NOT spray **Artavia Xcel** where spray drift may reach apple trees.

DO NOT use spray equipment which has been previously used to apply **Artavia Xcel** to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity to certain apple and crabapple varieties.



Precautions

Artavia Xcel is extremely phytotoxic to certain apple varieties.

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

ATTENTION

Bermudagrass can be sensitive to **Artavia Xcel**.

Restrictions

- Do not exceed 3 fl oz per 1,000 sq ft every 30 days on any variety of bermudagrass.
- In FL, do not apply **Artavia Xcel** to bermudagrass golf course greens when temperatures exceed 90°F.

APPLICATION INSTRUCTIONS

Apply **Artavia Xcel** at rates and timings as described in this label.

MIXING INSTRUCTIONS

To prepare spray solution, partially fill the spray tank with clean water and begin agitation. Add the specified amount of **Artavia Xcel** to the tank, allowing time for good dispersion, then add an adjuvant, if specified. If tank mixes are required, product must be added to the spray tank in the following order: **Artavia Xcel**, wettable granular or dry flowable formulations, wettable powders and flowable (aqueous suspensions) products. Finish filling the tank to the desired volume to obtain the proper spray concentration. Maintain agitation throughout the spraying operation. Do not allow spray mixture to stand overnight or for prolonged periods. Make up only the amount of spray required for immediate use. Sprayers must be thoroughly cleaned immediately after application. **Do not use silicone-based products with Artavia Xcel due to possible phytotoxicity.**

If spray-tank mixture is unsprayed for more than 18 hours (overnight), re-suspend product with agitation for 20 minutes.

Artavia Xcel is compatible with many commonly used fungicides, liquid fertilizers, herbicides, insecticides and biological control products. If tank mixes are desired, observe all directions, precautions, and limitations on labeling of all products used. 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.

Consult compatibility charts or your local or State turf authority for compatibility information. Do not combine **Artavia Xcel** in the spray tank with pesticides, surfactants, or fertilizers unless compatibility charts or your own prior use has shown that the combination is physically compatible, effective, and non-injurious under your conditions of use. If physical compatibility is unknown, the following procedure must be followed: Pour the specified proportions of the products into a suitable container of water, mix thoroughly and allow it to stand at least twenty (20) minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible.

SPECIFIC USE DIRECTIONS

Artavia Xcel controls listed pathogens that cause foliar, stem, and root diseases, including leaf and stem blights, leaf spots, patch diseases, mildews, anthracnose, fairy rings, molds, and rusts of turfgrass plants. **Artavia Xcel** 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.

Integrated Pest (Disease) Management (IPM): 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 must 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.

Application Directions: **Artavia Xcel** must be applied prior to disease development. Mix **Artavia Xcel** with the required amount of water and apply as a dilute spray application in 2-4 gallons of water per 1,000 sq ft (87-174 gal/A). Repeat applications at specified intervals for as long as required. For spot treatments, use 1.5 fl oz **Artavia Xcel** per 1 to 2 gallons of water. Do not apply more than 8.1 gallons product per acre per year (23.75 fl oz product per 1,000 sq ft per year).

Restriction: Do not apply by air. Apply by ground application only.

For use with soil injection applications:

Artavia Xcel may be applied through a liquid fungicide injector for the control of ectotrophic root diseases such as summer patch and take-all patch. Use **Artavia Xcel** only in liquid injection equipment specifically designated for pesticide use.

Apply **Artavia Xcel** at 1.5-3 fl oz per 1,000 sq ft. Spray carrier volume must fall within 30-150 gallons of water per 1,000 sq ft. Injection hole spacing of 1 inch by 1 inch is specified for optimum control. Injection depth must be no greater than 2 inches. One inch depth is specified for optimum results. Application timing must follow disease control strategies used for normal broadcast spray programs.

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

Artavia Xcel may be used for control of certain turfgrass diseases associated with turfgrass establishment from seed. **Artavia Xcel** may also be used during overseeding of dormant turfgrass.

Artavia Xcel 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.

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

RESTRICTIONS:

- Do not apply more than 8.1 gal./A (7.03 lbs./A propiconazole; 4.22 lbs./A azoxystrobin (23.75 fl oz per 1,000 sq ft)) product per year.
- Do not apply more than 7 applications per year.
- Apply by ground only.



DIRECTIONS FOR APPLICATION FOR TURF DISEASES

Target Diseases	Use Rate (fl oz product per 1,000 sq ft)	Application Interval (days)	Application Instructions*
Anthracnose (<i>Colletotrichum cereale</i>) (formerly known as <i>C. graminicola</i>)	1.5-3	14-28	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development. The maximum application interval for greens is 14 days.
Bentgrass Dead Spot (<i>Ophiosphaerella agrostis</i>)	1.5-3	14	Begin applications prior to disease development.
Brown Patch (<i>Rhizoctonia solani</i>)	0.75-1.5	14	For higher cut cool season turfgrass, St. Augustinegrass and centipedegrass (fairways, lawns, sodfarms, etc. above 0.375 inch in height). Apply when conditions are favorable for disease development
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>)	1.5-3	14-28	For Brown Patch, 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. For Leaf & Sheath Spot (<i>R. zeae</i>), apply when conditions are favorable for infection such as sequential or periods of temperatures at or above 90 degrees Fahrenheit. Curative control may necessitate several applications. Target spray applications at crown of turfgrass.
Cool-Weather Brown Patch Yellow Patch (<i>Rhizoctonia cerealis</i>)	3	28	Make 1 or 2 applications in fall or when conditions are favorable for disease development.
Dichondra Rust (<i>Puccinia dichondrae</i>)	3	14-21	Apply when conditions are favorable for disease development.
Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	0.75-1.5	14	Apply preventatively on higher cut cool-season turfgrass (fairways, lawns, etc. mowed at or above 0.375 inch in height during periods of low to moderate disease pressure.
Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	1.5-3	14-28	Apply preventatively when conditions are favorable for disease development. For non-residential turf with active dollar spot, use the higher rate and combine with Chlorothalonil.
Fairy Ring (<i>Lycoperdon spp.</i> , <i>Agrocybe pediades</i> , and <i>Bovista plumbea</i>)	1.5-3	14-28	Apply as soon as possible after fairy ring symptoms develop. Apply in 2-4 gallons of water per 1,000 sq. ft.. Add the specified 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. If area is hydrophobic, use wetting agents and irrigate prior to application(s) of Artavia Xcel . Reapplication after 28 days may be required in some cases.
Gray Leaf Spot (<i>Pyricularia grisea</i>)	1.5-3	14-28	Use Artavia Xcel in a preventative disease control program. Begin applications before disease is present and alternate with other fungicide chemistries that control gray leaf spot.
Gray Snow Mold Typhula Blight (<i>Typhula incarnata</i>)	3	14-28	Make two applications of 3 fl oz spaced 14-28 days apart in late fall just before snow cover. Tank mixing with another snow mold fungicide, such as Chlorothalonil and Fludioxonil, may enhance control under severe disease pressure.
Leaf Rust Stem Rust Stripe Rust (<i>Puccinia spp.</i>)	1.5-3	14-28	Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Leaf Spot (<i>Bipolaris sorokiniana</i>)	1.5-3	14-21	Apply when conditions are favorable for disease development.
Melting Out (<i>Drechslera poae</i>)	1.5-3	14-21	Apply when conditions are favorable for disease development.
Microdochium Patch (formerly known as Fusarium Patch (<i>Microdochium nivale</i>)	1.5-3	14-28	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Necrotic Ring Spot (<i>Ophiosphaerella korrae</i>)	3	14-28	Apply when conditions are favorable for disease development.
Pink Patch (<i>Limnomycetes roseipellis</i>)	1.5-3	14-28	Apply when conditions are favorable for disease development.
Pink Snow Mold (<i>Microdochium nivale</i>)	3	14-28	Make two applications of 3 fl oz spaced 14-28 days apart in late fall just before snow cover. Tank mixing with another snow mold fungicide, such as Chlorothalonil and Fludioxonil, may enhance control under severe disease pressure.
Powdery Mildew (<i>Erysiphe graminis</i>)	1.5-3	14-28	Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Pythium Blight Pythium Root Rot (<i>Pythium aphanidermatum</i> , <i>Pythium spp.</i>)	3	14	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development. During periods of prolonged favorable conditions, treat on the 14-day application interval. For use on newly seeded as well as established turf.
Pythium Root Dysfunction (<i>Pythium volutum</i>)	3	21-28	Apply preventatively when mean daily soil temperatures are between 55 F and 70 F. Irrigate with 0.1 to 0.2 inches within 24 hours after application to facilitate movement into the root zone.
Red Thread (<i>Laetisaria fuciformis</i>)	1.5-3	14-28	Apply when conditions are favorable for disease development.
Southern Blight (<i>Sclerotium rolfsii</i>)	1.5-3	14-28	Apply when conditions are favorable for disease development.
Spring Dead Spot (<i>Ophiosphaerella korrae</i> or <i>Ophiosphaerella narmari</i> or <i>Ophiosphaerella herpotricha</i>)	3	14-28	Apply 1 or 2 applications approximately one month prior to bermudagrass dormancy. 1/4" to 1/2" of irrigation directly after application is specified. Reapply 14 to 28 days later.
Summer Patch (<i>Magnaporthe poae</i>)	1.5-3	14-28	Apply when conditions are favorable for disease development. Initiate applications when soil temperatures reach 65°F at a 2 inch soil depth.
Take-all Patch (<i>Gaeumannomyces graminis var. avenae</i>)	3	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 **Artavia Xcel** for control of Gray Leaf Spot and Pythium diseases. For all other diseases when Gray Leaf Spot and Pythium diseases are not present, do not apply more than three sequential applications of **Artavia Xcel**.



Artavia Xcel Rate Conversion Chart for Turf

Fl Oz Product* Per 1,000 Sq Ft	Pints Product Per Acre	Gallons Product Per Acre
0.75	2.0	0.26
1.0	2.7	0.34
1.5	4.0	0.51
2.0	5.4	0.68
2.5	6.8	0.85
3.0	8.2	1.02

*One fluid ounce of Artavia Xcel contains 0.1088 ounces (weight) propiconazole and 0.0656 ounces (weight) azoxystrobin.

Amount of Artavia Xcel for Turf Applications per 100 Gallons

Spray volume: 2 gal/1,000 sq ft

Artavia Xcel Use Rate (fl oz/1,000 sq ft)	Pints of product/100 gal
0.75	2.3
1.0	3.1
1.5	4.7
2.0	6.2
2.5	7.8
3.0	9.4

Spray volume: 3 gal/1,000 sq ft

Artavia Xcel Use Rate (fl oz/1,000 sq ft)	Pints of product/100 gal
0.75	1.5
1.0	2.1
1.5	3.0
2.0	4.1
2.5	5.2
3.0	6.2

Spray volume: 4 gal/1,000 sq ft

Artavia Xcel Use Rate (fl oz/1,000 sq ft)	Pints of product/100 gal
0.75	1.15
1.0	1.55
1.5	2.25
2.0	3.1
2.5	3.9
3.0	4.65

SPECIMEN

STORAGE AND DISPOSAL

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

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 up 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 less than 5 gallons

Non-refillable container. Do not reuse or refill this container. 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 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, or by incineration, or by other procedures approved by state and local authorities.

Container Handling greater than 5 gallons

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. All such risks shall be assumed by the user or buyer.

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