

Notice of Disease Control Application

Date of Application: May 4-15, 2026

Locations:

- Sky Vista Dr.- Charleston Blvd. to Far Hills Ave.
- Crossbridge Dr.- Sky Vista Dr. to Alta Dr.
- Alta Dr.- Crossbridge Dr. to Desert Foothills Dr.
- Fox Hill Dr.- Desert Sunrise Dr. to Far Hills Ave.
- Far Hills Ave.- Sky Vista Dr. to Desert Foothills Dr.
- Desert Moon Dr.- Sky Vista Dr. to Paseo Mist Dr.
- Paseo Breeze Dr.- Fox Hill Dr. to Paseo Mist Dr.

Reason for Application: To control Fungal Root Rot in the Hesperaloe plants.

Product Manufacturer Name: Artavia 2 SC

-EPA registration no. 91234-74

-Active ingredients: Azoxystrobin

-Signal word: Caution

-Precautionary statement: Hazards to Humans and Domestic Animals. Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing.



Atticus

ARTAVIA™

2 SC



Broad Spectrum Fungicide for Control of Plant Diseases

ACTIVE INGREDIENT:	(% by weight)
Azoxystrobin: methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate*	22.9%
OTHER INGREDIENTS:	77.1%
TOTAL:	100.0%

*IUPAC

Contains 2.08 lbs. of active ingredient per gallon Suspension Concentration

EPA Reg. No.: 91234-74

KEEP OUT OF REACH OF CHILDREN CAUTION

Reformulation is prohibited. See individual container labels for repackaging limitations.

**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 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)**

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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:

- 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

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

Ground Water Advisory

Azoxystrobin 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 Atticus, LLC immediately if you observe any adverse environmental effects due to use of this product.

Physical or Chemical Hazards

Do not mix or allow coming into contact with oxidizing agent. 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.

Use of Atticus Artavia 2 SC through air blast application equipment on grapes is prohibited in the following townships and boroughs of Erie County, Pennsylvania: North East, Harborcreek, Lawrence Park, Erie, Presque Isle, Millcreek, Fairview, Girard, and Springfield.

This prohibition is intended to help eliminate phytotoxicity problems with apples observed in this geographic location.

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 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.

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 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.

TURF

Golf course turf (not for use in California).

Commercial turf farms (not for use in California).

Atticus Artavia 2 SC is specified 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 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.

Resistance Management:

Some turf disease pathogens are known to have developed resistance to products used repeatedly for their control. **Atticus Artavia 2 SC** must 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 **Atticus Artavia 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 **Atticus Artavia 2 SC**.

Application Directions:

Atticus Artavia 2 SC must be applied prior to disease development. Mix **Atticus Artavia 2 SC** with the required amount of water and apply as a dilute spray application in 2 - 4 gallons of water per 1,000 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. **Atticus Artavia 2 SC** per 1 - 2 gallons of water. Do not apply more than 9.6 quarts product/acre/year (7.1 fl. oz. product/1,000 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:

Atticus Artavia 2 SC does not control dollar spot. **Atticus Artavia 2 SC** is compatible in tank mixes with many other fungicides that control dollar spot. Always tank mix **Atticus Artavia 2 SC** with another fungicide that controls dollar spot when this disease is present.

[Atticus Artavia 2 SC + Tank Mixtures:

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.

Atticus Artavia 2 SC is usually compatible with all tank-mix partners listed on this label. To determine the physical compatibility of **Atticus Artavia 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.

Atticus Artavia 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 to 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 **Atticus Artavia 2 SC** to the spray tank.
- Allow **Atticus Artavia 2 SC** to completely disperse.
- Spray the mixture with the agitator running.]

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 graminicola</i>)	0.38 - 0.77	14 - 28	Apply when conditions are favorable for disease development.
Brown patch (<i>Rhizoctonia solani</i>)			
Cool weather brown patch Yellow patch (<i>Rhizoctonia cerealis</i>)		28	Make one or two applications in fall or when conditions are favorable for disease development.
Fusarium patch (<i>Microdochium nivale</i>)		14 - 28	Apply when conditions are favorable for disease development.
Gray leaf spot (<i>Pyricularia grisea</i>)			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.
Leaf spot (<i>Bipolaris sorokiniana</i>)	0.38 - 0.77	14 - 21	Apply when conditions are favorable for disease development.
Melting out (<i>Drechslera poae</i>)			
Necrotic ring spot (<i>Leptosphaeria korrae</i>)		14 - 28	
Pink patch (<i>Limonomyces roseipellis</i>)			
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.
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>)		14 - 28	Apply when conditions are favorable for disease development.
Rhizoctonia large patch (<i>Rhizoctonia solani</i>)		28	Make one or two applications in fall or when conditions are favorable for disease development.
Southern blight (<i>Sclerotium rolfsii</i>)		14 - 28	Apply when conditions are favorable for disease development.
Spring dead spot (<i>Leptosphaeria korrae</i>) or (<i>Gaeumannomyces graminis</i> var. <i>graminis</i>) or (<i>Ophiosphaerella herpotricha</i>)		28	Make one or two applications in fall or when conditions are favorable for disease development.
Summer patch (<i>Magnaporthe poae</i>)		14 - 28	Apply when conditions are favorable for disease development.
Take-all patch (<i>Gaeumannomyces graminis</i> var. <i>avenae</i>)		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 incrustana</i>)			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 **Atticus Artavia 2 SC** for control of *Pythium* spp. For all other diseases, do not apply more than four sequential applications of **Atticus Artavia 2 SC**.

Atticus Artavia 2 SC Rate Conversion Chart for Turf

Fluid Ounces Product Per 1,000 Sq. Ft.	Ounces A.I. Per 1,000 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	0.350	58.8	3.7

Amount of Atticus Artavia 2 SC to Mix 100 Gallons for Turf Applications

Atticus Artavia 2 SC Use Rate (fl. oz.)	Spray Volume (gallons/1,000 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

SPECIMEN

Atticus Artavia 2 SC controls 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. **Atticus Artavia 2 SC** controls certain diseases of container, bench, flat, plug, bed or field-grown ornamentals in greenhouses, shade-houses, outdoor nurseries, retail nurseries, and other landscape areas.

Integrated Pest (Disease) Management

Integrate **Atticus Artavia 2 SC** 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. Immunoassay detection kits and 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 ornamental disease pathogens are known to have developed resistance to fungicides used repeatedly for their control. Apply **Atticus Artavia 2 SC** 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 three (3) sequential applications of **Atticus Artavia 2 SC** before alternating with a fungicide of a different mode of action. A sound resistance management program includes blocks of three **Atticus Artavia 2 SC** applications separated by blocks of two alternate fungicide applications. Do not alternate **Atticus Artavia 2 SC** with other strobilurin fungicides.

Application Directions

Apply **Atticus Artavia 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.

Start **Atticus Artavia 2 SC** applications prior to disease development and continue throughout the year at specified intervals following resistance management guidelines. **Atticus Artavia 2 SC** works best when used as part of a preventative disease management program.

Use only surfactants approved for ornamental plants in combination with **Atticus Artavia 2 SC**. Do not use silicone based products with **Atticus Artavia 2 SC** due to possible phytotoxicity. Always test tank mixes on a small group of representative plants prior to broadscale use.

Apply 1.9 - 7.7 fl. oz./100 gallons (0.95 - 3.85 fl. oz./50 gallons) **Atticus Artavia 2 SC** 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 3.85 - 7.7 fl. oz./100 gallons (1.9 - 3.85 fl. oz./50 gallons) on a 7 - 14 day interval.

Under light to moderate disease pressure, use the lower rates within the specified rate range (1.9 - 3.85 fl. oz./100 gallons, or 0.95 - 1.9 fl. oz./50 gallons) on a 7 - 14 day interval or the higher rates within the specified rate range (5.75 - 7.7 fl. oz./100 or 2.85 - 3.85 fl. oz./50 gallons) on a 14 - 28 day interval.

Under environmental conditions which promote severe disease development, use the higher rates within the specified rate range (5.75 - 7.7 fl. oz./100 gallons or 2.85 - 3.85 fl. oz./50 gallons) on a 7 - 14 day interval.

Using **Atticus Artavia 2 SC** as a "rescue" (late curative or eradicator) treatment will not always result in satisfactory disease control.

Drench Application

Apply **Atticus Artavia 2 SC** to control soilborne, seedling, and crown diseases of production ornamentals (greenhouse, shadehouse, and 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. Drench apply **Atticus Artavia 2 SC** to container grown ornamentals using 0.38 - 1.75 fl. oz./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 **Atticus Artavia 2 SC** before alternating with a fungicide of a different mode of action.

Caution must be taken before making application of **Atticus Artavia 2 SC** as a drench to small bedding plants in the seedling/plug stage due to possible phytotoxicity. A limited quantity of plants must be tested prior to full-scale application.

Drip Irrigation

Apply **Atticus Artavia 2 SC** through drip irrigation systems to potted ornamentals or to bedded, field grown ornamentals for soilborne disease control. Apply 3.85 - 30.75 fl. oz. **Atticus Artavia 2 SC** per acre as a preventative disease application. The soil or potting media must 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) must be delayed for at least for 24 hours following drip application.

Ornamental Use Restrictions

- Do not exceed 2.4 gallons of product/crop acre/year or 8 applications/crop/year.
- Do not exceed 600 gallons spray volume per acre for foliar applications. For drench and crown applications, do not exceed 2 pints volume per square foot.
- Do not tank mix **Atticus Artavia 2 SC** with other fungicides, insecticides, herbicides, fertilizers, adjuvants, etc., unless local experience indicates that the tank mix is safe to ornamental plants.
- Do not apply **Atticus Artavia 2 SC** to apple or cherry trees (Flowering, Yoshino variety) due to possible phytotoxicity.
- Do not use spray equipment that has applied **Atticus Artavia 2 SC** for use in these sensitive crops due to possible phytotoxicity from residue remaining in the sprayer.

Apply **Atticus Artavia 2 SC** to certain varieties of crabapple for control of apple scab. **Atticus Artavia 2 SC** is safer when applied to the species and varieties listed in Table 4. However, due to the large number of genera, species, and varieties of crabapple, it is impossible to test every one for tolerance to **Atticus Artavia 2 SC**. The professional user must conduct small scale testing to insure plant safety prior to broadscale commercial use on plant genera and species.

Table 1. Diseases Controlled

When used in accordance with the label directions, **Atticus Artavia 2 SC** will provide control of the following diseases of ornamental plants:

Disease (Pathogen)	Application Instructions	
	8 oz. and larger containers (fl. oz. product per 100 gallons)	4 oz. containers (fl. oz. product per 50 gallons)
1. Conifer Blights		
a. Phomopsis Blight (<i>Phomopsis juniperovora</i>)	Apply 1.9 - 7.7 fl. oz. every 7 - 28 days.	Apply 0.95 - 3.85 fl. oz. every 7 - 28 days.
b. Tip Blight (<i>Sirococcus strobilinus</i>)		
2. Leaf Blights/Leaf Spots		
a. Alternaria Leaf Spot (<i>Alternaria</i> spp.)	Apply 1.9 - 7.7 fl. oz. every 7 - 28 days.	Apply 0.95 - 3.85 fl. oz. every 7 - 28 days.
b. Anthracnose (<i>Colletotrichum</i> spp., <i>Elsinoe</i> spp.)		
c. Downy Mildew of Rose (<i>Peronospora sparsa</i>)	Apply 3.85 - 7.7 fl. oz. every 7 - 21 days during periods of active plant growth and prior to dormancy or severe infection.	Apply 1.9 - 3.85 fl. oz. every 7 - 21 days during periods of active plant growth and prior to dormancy or severe infection.
d. Entomosporium Leaf Spot (<i>Entomosporium mespili</i>)	Apply 1.9 - 7.7 fl. oz. every 7 - 28 days.	Apply 0.95 - 3.85 fl. oz. every 7 - 28 days.
e. Iris Leaf Spot (<i>Mycosphaerella macrospora</i>)	Apply 3.85 - 7.7 fl. oz. every 7 - 21 days.	Apply 1.9 - 3.85 fl. oz. every 7 - 21 days.
f. Leaf Spot (<i>Cladosporium echinulatum</i>)	Apply 1.9 - 7.7 fl. oz. every 7 - 28 days.	Apply 0.95 - 3.85 fl. oz. every 7 - 28 days.
g. Rose Blackspot (<i>Diplocarpon rosae</i>)	Apply 7.7 - 15.4 fl. oz. every 7 - 14 days. Apply Atticus Artavia 2 SC on a 7 day interval unless disease pressure is light. Under severe disease conditions or if disease is already present, Atticus Artavia 2 SC may be tank mixed with another rose blackspot fungicide. Do not exceed 46 fl. oz./acre application.	Apply 3.85 - 7.7 fl. oz. every 7 - 14 days. Apply Atticus Artavia 2 SC on a 7 day interval unless disease pressure is light. Under severe disease conditions or if disease is already present, Atticus Artavia 2 SC may be tank mixed with another rose blackspot fungicide. Do not exceed 46 fl. oz./acre/application.
h. Myrothecium Leaf Spot (<i>Myrothecium</i> spp.)	Apply 3.85 - 7.7 fl. oz. every 7 - 21 days.	Apply 1.9 - 3.85 fl. oz. every 7 - 21 days.
i. Downy Mildew of bedding plants (<i>Peronospora</i> spp.)	Apply 1.9 - 7.7 fl. oz. every 7 - 28 days.	Apply 0.95 - 3.85 fl. oz. every 7 - 28 days.
j. Scab (<i>Venturia inaequalis</i>)	Apply 1.9 - 7.7 fl. oz. every 10 - 28 days. Do not apply to apple trees. For crabapples only, see Table 4 for sensitive species.	Apply 0.95 - 3.85 fl. oz. every 10 - 28 days. Do not apply to apple trees. For crabapples only, see Table 4 for sensitive species.
k. Marssonina Leaf Spot (<i>Marssonina</i> spp.)	Apply 1.9 - 7.7 fl. oz./100 gals. every 14 - 28 days.	Apply 0.95 - 3.85 fl. oz. every 14 - 28 days.
l. Cercospora Leaf Spot	Apply 1.9 - 7.7 fl. oz./100 gals. every 7 - 28 days.	Apply 0.95 - 3.85 fl. oz. every 7 - 28 days.
3. Powdery Mildew		
Preventative applications only. Do not make more than 2 sequential applications before rotating to another class of fungicide.		
a. <i>Erysiphe pannosa</i> , spp.	Apply 1.9 - 7.7 fl. oz. every 7 - 28 days.	Apply 0.95 - 3.85 fl. oz. every 7 - 28 days.
b. <i>Microsphaera azalea</i>		
c. <i>Sphaerotheca pannosa</i>		
4. Rusts		
a. Needle Rust (<i>Melampsora occidentalis</i>)	Apply 1.9 - 7.7 fl. oz. every 7 - 28 days.	Apply 0.95 - 3.85 fl. oz. every 7 - 28 days.
b. <i>Phragmidium</i> spp.		
c. <i>Puccinia</i> spp.		
d. <i>Gymnosporangium</i> spp.		

(continued)

Table 1. Diseases Controlled (continued)

Disease (Pathogen)	Application Instructions	
	8 oz. and larger containers (fl. oz. product per 100 gallons)	4 oz. containers (fl. oz. product per 50 gallons)
5. Flower Blights		
a. Anthracnose (<i>Colletotrichum</i> spp., <i>Elsinoe</i> spp.)	Apply 1.9 - 7.7 fl. oz. every 7 - 28 days.	Apply 0.95 - 3.85 fl. oz. every 7 - 28 days.
b. Botrytis Slight (<i>Botrytis cinerea</i>)	Apply 7.7 - 15.4 fl. oz. every 7 - 21 days. For suppression only. Do not exceed 46 fl. oz./acre.	Apply 3.85 - 7.7 fl. oz. every 7 - 21 days. For suppression only. Do not exceed 46 fl. oz./acre.
6. Shoot/Stem Diseases		
a. Aerial/Shoot Blight (<i>Phytophthora</i> spp.)	Apply 1.9 - 3.85 fl. oz. every 7 - 28 days.	Apply 0.95 - 1.9 fl. oz. every 7 - 28 days.
7. Soilborne Diseases (Directed Spray)		
For directed spray applications utilize the following rates below.		
a. <i>Rhizoctonia solani</i>	Apply 1.9 - 7.7 fl. oz. every 7 - 21 days.	Apply 0.95 - 3.85 fl. oz. every 7 - 21 days.
b. <i>Sclerotium rolfsii</i>		
c. <i>Rosarium</i> spp.		
8. Soilborne Diseases (Drench)		
See Ornamentals section for additional drench directions.		
a. <i>Rhizoctonia solani</i>	Apply 0.35 - 1.75 fl. oz., 1 - 2 pints of the solution per square foot surface area, every 7 - 28 days.	Apply 0.19 - 0.95 fl. oz., 1 - 2 pints of the solution per square foot surface area, every 7 - 28 days.
b. <i>Sclerotium rolfsii</i>		
c. <i>Fusarium</i> spp.		

PLANT SAFETY

Atticus Artavia 2 SC is safe when applied to the ornamental plants listed in **Tables 2, 3, and 4**; however, due to the large number of genera, species and varieties of ornamental and nursery plants, it is impossible to test every one for sensitivity to **Atticus Artavia 2 SC**. Neither the manufacturer nor the seller has determined whether or not **Atticus Artavia 2 SC** can be used safely on genera, species, or varieties of ornamental and nursery plants not specified on this label. The professional user must conduct small scale testing to insure plant safety prior to broadscale commercial use on plant genera and species.

Do not tank mix **Atticus Artavia 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 **Atticus Artavia 2 SC** to certain apple, crabapple or cherry trees due to possible phytotoxicity. Further, do not use spray equipment that has applied **Atticus Artavia 2 SC** for use in these sensitive crops due to possible phytotoxicity from residue remaining in the sprayer.

Tolerant Ornamental Plants

Atticus Artavia 2 SC is safe when applied to the plants listed in Tables 2, 3, and 4 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>Aglaonema</i> spp.	Chinese evergreen	2, 4
<i>Ajuga reptans</i>	Bugle, Bugleweed	3
<i>Antirrhinum</i> spp.	Snap-Dragon	2i, 3, 4
<i>Antirrhinum</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 <i>Rieger begonia</i>)	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>Brassia actinophylla</i>	Rubber-free, Umbrella-tree	2, 7
<i>Buddleia davidii</i>	Buddleia, Butterfly bush	2
<i>Buxus sempervirens</i>	Boxwood	2, 7a
<i>Caladium</i> spp.	Caladium	7
<i>Camellia japonica</i>	Camellia	2
<i>Caryota urens</i>	Sago palm	2, 7
<i>Catharanthus roseus</i>	Vinca	2
<i>Ceanothus</i> spp.	Ceanothus, California lilac, Snowball	3
<i>Ceanothus sanguineus</i>	Wild lilac	3
<i>Cedrus</i> spp.	White cedar	2, 4
<i>Cedrus Atlantica</i>	Atlas cedar	2, 4
<i>Cercis occidentalis</i>	Western redbud	2
<i>Chamaecyparis</i> spp.	Cypress, Leyland cypress	1
<i>Chamaecyparis pisifera</i> spp.	Sawara cypress	1

Botanical Name	Common Name	Diseases
<i>Chamaedorea elegans</i>	Parlor palm	7
<i>Chrysanthemum</i> spp.	Chrysanthemums	2, 7c
<i>Clethra alnifolia</i>	Clethra, White alder	2
<i>Cornus</i> spp.	Dogwood, Pink Dogwood, Flowering Dogwood	2b, 3
<i>Cornus Florida</i>	Dogwood	2b, 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	7c
<i>Cyperus</i> spp.	Cyperus	1
<i>Delphinium</i> spp.	Larkspur	2
<i>Dianthus</i> spp.	Pink	3, 4
<i>Dianthus caryophyllus</i>	Carnation	3, 4
<i>Dieffenbachia</i> spp.	Dumb-Cane	2
<i>Diets iridiodes</i>	African iris, Butterfly iris	4c
<i>Digitalis</i> spp.	Foxglove	2, 3
<i>Epipremnum</i> spp.	Pothos	2
<i>Erica darleyensis</i>	Heather	2
<i>Euonymus alatus</i>	Dwarf winged euonymus	2
<i>Euonymus alatus</i>	Burning bush	2
<i>Euonymus japonicus</i>	Evergreen euonymus	2
<i>Euphorbia</i> spp.	Poinsettia	2a
<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	5b
<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

(continued)

Table 2. Tolerant Plants Listed by Botanical Name (continued)

Botanical Name	Common Name	Diseases
<i>Hibiscus syriacus</i>	Rose of Sharon	2, 3
<i>Hosta</i> spp.	Hosta	2
<i>Hydrangea</i> spp.	Hydrangea	2, 3
<i>Hydrangea macrophylla</i>	French hydrangea	2, 3
<i>Ilex</i> spp.	Holly, Winterberry, Yaupon	3
<i>Impatiens</i> spp. ¹	Balsam, Impatiens ¹	2a, 7a
<i>Iris xiphium</i>	Iris (bulbous, Spanish, Dutch)	2e
<i>Itea virginica</i>	Virginia willow	3, 4
<i>Juniperus procumbens</i>	Juniper	1a, 4
<i>Juniperus scopulorum</i>	Juniper	1a, 4
<i>Juniperus</i> spp.	Juniper	1a, 4
<i>Juniperus virginiana</i>	Red cedar	1a, 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>Lobularia maritima</i>	Sweet alyssum	7
<i>Magnolia grandiflora</i>	Southern magnolia	2
<i>Magnolia soulangeana</i>	Saucer magnolia	2
<i>Magnolia</i> spp.	Magnolia	2
<i>Malus</i> spp.	Crabapple (See Table 4 for variety list)	2i
<i>Nandina domestica</i>	Nandina	2
<i>Nerium oleander</i>	Oleander, Rose-bay	2
<i>Pelargonium</i> spp.	Geranium	3, 4, 5b
<i>Pennisetum alopecuroides</i>	Grass	2
<i>Peperomia</i> spp.	Baby rubber-plant	2, 7
<i>Petunia</i> spp.	Petunia	6a
<i>Phalaris</i> spp.	Dwarf pampas grass	3
<i>Philodendron</i> spp.	Philodendron	2j
<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

Botanical Name	Common Name	Diseases
<i>Picea pungens</i>	Blue spruce	1
<i>Pieris japonica</i>	Japanese andromeda	2, 7
<i>Pinus</i> spp.	Pine	1b, 4
<i>Pinus mugo</i>	Muhgo pine	1b, 4
<i>Pinus nigra</i>	Black pine	1b, 4
<i>Pinus sylvestris</i>	Scotch pine	1, 4
<i>Pinus strobus</i>	Eastern white pine	1b, 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</i> spp.	Aspen Trees	2
<i>Populus trichocarpa</i>	Poplar	4
<i>Potentilla</i> spp.	Cinquefoil	2
<i>Primula</i> spp.	Primrose	2
<i>Prunus</i> spp.	Flowering plum, Purple-leaf plum	2, 5
<i>Prunus pumila</i>	Cherry	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	2b, 3, 6, 7
<i>Rhododendron</i> spp.	Glacier Azalea	2b, 3, 6, 7
<i>Rosa</i> spp.	Rose	2a, 2c, 3c, 4b
<i>Rosmarinus</i> spp.	Rosemary (prostrate)	2
<i>Rudbeckia hirta</i>	Black-eyed Susan	2j
<i>Salvia</i> spp.	Sage	3, 4j
<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 floribundum</i>	Peace lily	2, 7
<i>Spiraea bumalda</i>	Spirea	3
<i>Spiraea japonica</i>	Spirea	3
<i>Syagrus romanzoffianum</i>	Queen palm	2

(continued)

Table 2. Tolerant Plants Listed by Botanical Name (continued)

Botanical Name	Common Name	Diseases
<i>Tagetes</i> spp.	Marigold	2a
<i>Taxus baccata</i>	Spreading yew	7
<i>Thuja plicata</i>	Western red cedar	4
<i>Thujaopsis</i> spp.	Arborvitae	2
<i>Thymus serpyllum</i>	Creeping thyme	2
<i>Tsuga</i> spp.	Hemlock	4
<i>Tsuga heterophylla</i>	Western hemlock	4
<i>Verbena</i> spp.	Verbena, Vervain	3
<i>Viburnum</i> spp.	Viburnum	2, 3, 4
<i>Vinca</i> spp.	Periwinkle	2, 6a
<i>Viola</i> spp. ¹	Viola, Pansy ¹	2
<i>Weigela Florida</i>	Pink weigela	2
<i>Yucca</i> spp.	Yucca	7
<i>Zinnia</i> spp.	Zinnia	2a, 3

¹ Do not exceed 3.85 fl. oz./100 gallons on these species.

Table 3. Tolerant Plants Listed by Common Name

Common Name	Botanical Name
Abelia	<i>Abelia</i> spp.
Andromeda Japanese	<i>Pieris japonica</i>
Arborvitae	<i>Thujaopsis</i> spp.
Aspen Trees	<i>Populus</i> spp.
Aster	<i>Aster</i> spp.
Aucuba, Japanese	<i>Aucuba japonica</i>
Azalea, Glacier	<i>Rhododendron</i> spp.
Azaleas	<i>Rhododendron</i> spp.
Balsam	<i>Impatiens</i> spp.
Barberry	<i>Berberis thunbergii</i>
Begonia (except <i>Rieger begonia</i>)	<i>Begonia</i> spp.
Birch, River	<i>Betula nigra</i>
Black-eyed Susan	<i>Rudbeckia hirta</i>
Blanket Flower	<i>Gaillardia</i> spp.
Bougainvillea	<i>Bougainvillea</i> spp.
Boxwood	<i>Buxus sempervirens</i>
Buddleia	<i>Buddleia davidii</i>
Bugle	<i>Ajuga reptans</i>

(continued)

Table 3. Tolerant Plants Listed by Common Name (continued)

Common Name	Botanical Name
Bugleweed	<i>Ajuga reptans</i>
Burning Bush	<i>Euonymus alatus</i>
Butterfly Bush	<i>Buddleia davidii</i>
Cactus, Holiday	<i>Schlumbergera</i>
Caladium	<i>Caladium</i> spp.
Camellia	<i>Camellia japonica</i>
Carnation	<i>Dianthus caryophyllus</i>
Ceanothus	<i>Ceanothus</i> spp.
Cedar, Atlas	<i>Cedrus atlantica</i>
Cedar, Red	<i>Juniperus virginiana</i>
Cedar, Western Red	<i>Thuja plicata</i>
Cedar, White	<i>Cedrus</i> spp.
Cherry	<i>Prunus pumila</i>
Christmas Tree	See Fraser fir, Scotch pine, and Douglas fir
Chrysanthemum	<i>Chrysanthemum</i> spp.
Cinquefoil	<i>Potentilla</i> spp.
Clethra	<i>Clethra alnifolia</i>
Coleus	<i>Plectranthus</i> spp.
Cotoneaster, Creeping	<i>Cotoneaster adpressus</i>
Cotoneaster, Variegated Rockspray	<i>Cotoneaster horizontalis</i>
Crabapple (See Table 4 for variety list)	<i>Malus</i> spp.
Cranesbill	<i>Geranium</i> spp.
Crapemyrtle	<i>Lagerstroemia indica</i>
Cyclamen	<i>Cyclamen</i> spp.
Cyperus	<i>Cyperus</i> spp.
Cypress, Sawara	<i>Chamaecyparis pisifera</i>
Cypress, Leyland	<i>Chamaecyparis</i> spp.
Daisy, Gerber	<i>Gerbera jamesonii</i>
Daisy, Transvaal	<i>Gerbera jamesonii</i>
Dogwood	<i>Cornus</i> spp.
Dogwood	<i>Cornus florida</i>
Dogwood, Pink	<i>Cornus</i> spp.
Dumb-Cane	<i>Dieffenbachia</i> spp.
Euonymus, Dwarf Winged	<i>Euonymus alatus</i>
Euonymus, Evergreen	<i>Euonymus japonicus</i>

(continued)

Table 3. Tolerant Plants Listed by Common Name (continued)

Common Name	Botanical Name
Evergreen, Chinese	<i>Aglaonema</i> spp.
Fatsia, Japanese	<i>Fatsia japonica</i>
Fig	<i>Ficus</i> spp.
Fir, Douglas	<i>Pseudotsuga</i> spp.
Fir, Fraser	<i>Abies fraseri</i>
Fir, Noble	<i>Abies procera</i>
Floss-Flower	<i>Ageratum</i> spp.
Forsythia	<i>Forsythia viridissima</i>
Foxglove	<i>Digitalis</i> spp.
Gardenia	<i>Gardenia jasminoides</i>
Geranium	<i>Pelargonium</i> spp.
Grass	<i>Pennisetum alopecuroides</i>
Grass, Dwarf Pampas	<i>Phalaris</i> spp.
Grass, Pampas	<i>Cortaderia selloana</i>
Hawthorn, Indian	<i>Rhamphilepis indica</i>
Heather	<i>Erica darleyensis</i>
Hemlock	<i>Tsuga</i> spp.
Hemlock, Western	<i>Tsuga heterophylla</i>
Hibiscus	<i>Hibiscus moscheutos</i>
Hibiscus	<i>Hibiscus rosa-sinensis</i>
Holly	<i>Ilex</i> spp.
Hosta	<i>Hosta</i> spp.
House-Leek	<i>Sempervivum</i> spp.
Hydrangea	<i>Hydrangea</i> spp.
Hydrangea, French	<i>Hydrangea macrophylla</i>
Impatiens ¹	<i>Impatiens</i> spp. ¹
Iris (Bulbous, Spanish, Dutch)	<i>Iris xiphium</i>
Iris, African	<i>Dietes iridioides</i>
Iris, Butterfly	<i>Dietes iridioides</i>
Ivy, Algerian	<i>Hedera algeriensis</i>
Ivy, English	<i>Hedera helix</i>
Ivy, Swedish	<i>Plectranthus</i> spp.
Juniper	<i>Juniperus procumbens</i>
Juniper	<i>Juniperus scopulorum</i>
Juniper	<i>Juniperus</i> spp.

Common Name	Botanical Name
Larkspur	<i>Delphinium</i> spp.
Laurel	<i>Laurus nobilis</i>
Laurel, Australian	<i>Pittosporum</i> spp.
Laurel, Japanese	<i>Aucuba japonica</i>
Lilac, California	<i>Ceanothus</i> spp.
Lilac, Wild	<i>Ceanothus sanguineus</i>
Lily, Asiatic	<i>Lilium</i> spp.
Lily, Peace	<i>Spathiphyllum floribundum</i>
Lily-Turf	<i>Liriope muscari</i>
Live-Forever	<i>Sempervivum</i> spp.
Magnolia	<i>Magnolia</i> spp.
Magnolia, Saucer	<i>Magnolia soulangeana</i>
Magnolia, Southern	<i>Magnolia grandiflora</i>
Maple, Japanese	<i>Acer palmatum</i>
Maple Sugar	<i>Acer saccharum</i>
Marigold	<i>Tagetes</i> spp.
Mock-Orange	<i>Pittosporum tobira</i>
Mugwort	<i>Artemisia</i> spp.
Nandina	<i>Nandina domestica</i>
Oak, Pin	<i>Quercus palustris</i>
Oak, Red	<i>Quercus falcata</i>
Oleander	<i>Nerium oleander</i>
Orpine	<i>Sedum</i> spp.
Palm, Date	<i>Phoenix dactylifera</i>
Palm, Parlor	<i>Chamaedorea elegans</i>
Palm, Queen	<i>Syagrus romanzoffianum</i>
Palm, Roebelin's	<i>Phoenix roebelenii</i>
Palm, Sago	<i>Caryota urens</i>
Pansy*	<i>Viola</i> spp.*
Paper Plant	<i>Fatsia japonica</i>
Pear Bradford's	<i>Pyrus calleryana</i>
Periwinkle	<i>Vinca</i> spp.
Petunia	<i>Petunia</i> spp.
Philodendron	<i>Philodendron</i> spp.
Phlox	<i>Phlox</i> spp.

(continued)

Table 3. Tolerant Plants Listed by Common Name (continued)

Common Name	Botanical Name
Photinia, Red-Tip	<i>Photinia glabra</i>
Pine	<i>Pinus</i> spp.
Pine, Black	<i>Pinus nigra</i>
Pine, Eastern White	<i>Pinus strobus</i>
Pine, Muhgo	<i>Pinus mugo</i>
Pine Scotch	<i>Pinus sylvestris</i>
Pink	<i>Dianthus</i> spp.
Plum, Flowering	<i>Prunus</i> spp.
Plum, Purple-Leaf	<i>Prunus</i> spp.
Poinsettia	<i>Euphorbia</i> spp.
Poplar	<i>Populus trichocarpa</i>
Pothos	<i>Epipremnum</i> spp.
Primrose	<i>Primula</i> spp.
Pussy's-Foot	<i>Ageratum</i> spp.
Redbud, Western	<i>Cercis occidentalis</i>
Rhododendron	<i>Rhododendron</i> spp.
Ribbon-Grass	<i>Setaria</i> spp.
Rose of Sharon	<i>Hibiscus syriacus</i>
Rose	<i>Rosa</i> spp.
Rose-Bay	<i>Nerium oleander</i>
Rosemary (Prostrate)	<i>Rosmarinus</i> spp.
Rubber-Plant, Baby	<i>Peperomia</i> spp.
Rubber Tree	<i>Brassaia actinophylla</i>
Sage	<i>Salvia</i> spp.
Sagebrush	<i>Artemisia</i> spp.
Snap-Dragon	<i>Antirrhinum</i> spp.
Snowball	<i>Ceanothus</i> spp.

Common Name	Botanical Name
Spirea	<i>Spiraea bumalda</i>
Spirea	<i>Spiraea japonica</i>
Spruce, Blue	<i>Picea pungens</i>
Spruce, Norway	<i>Picea abies</i>
Spruce, White	<i>Picea glauca</i>
Starwort	<i>Aster</i> spp.
Stonecrop	<i>Sedum</i> spp.
Sweet Alyssum	<i>Lobularia maritima</i>
Thymes Creeping	<i>Thymus serpyllum</i>
Umbrella-Tree	<i>Brassaia actinophylla</i>
Verbena	<i>Verbena</i> spp.
Vervain	<i>Verbena</i> spp.
Viburnum	<i>Viburnum</i> spp.
Vinca	<i>Catharanthus roseus</i>
Viola	<i>Viola</i> spp.
White alder	<i>Clethra</i> spp.
Weigela, Pink	<i>Weigela Florida</i>
Willow, Virginia	<i>Itea virginica</i>
Winterberry	<i>Ilex</i> spp.
Wormwood	<i>Artemisia</i> spp.
Yaupon	<i>Ilex</i> spp.
Yew, Spreading	<i>Taxus baccata</i>
Yucca	<i>Yucca</i> spp.
Zebra-Plant	<i>Aphelandra</i> spp.
Zinnia	<i>Zinnia</i> spp.

¹ Do Not Exceed 3.85 fl. oz./100 gallons on these species.

Table 4. Tolerant Varieties of Crabapple Species (Genus Malus) Tolerant Varieties of Malus

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

Table 5. Intolerant Plants (DO NOT apply Atticus Artavia 2 SC to these species or varieties)

Common Name	Botanical Name
Apple	<i>Malus domestica</i>
Cherry, Flowering - Yoshino variety	<i>Prunus yedoensis</i>
Crabapple - Brandywine variety	<i>Malus</i> spp.
Crabapple - Flame variety	<i>Malus</i> spp.
Crabapple - Novamac variety	<i>Malus</i> spp.
Leatherleaf Fern and Other Ferns for cut foliage	<i>Rumohra adiantiformis</i> and other species for cut foliage
Privet	<i>Ligustrum</i> spp.

CONIFERS AND COMMERCIAL PRODUCTION ROSES

Atticus Artavia 2 SC controls 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.

Crop	Target Diseases	Use Rate fl. oz. product/Acre (lb. a.i./A)	Application Instructions
Conifers	Diplodia tip blight (<i>Diplodia pinea</i>) Lophodermium Needlecast (<i>Lophodermium pinastri</i>) Swiss Needlecast (<i>Phaeocryptopus gaeumannii</i>)	6.1 - 15.3 (0.10 - 0.25)	Integrated Pest (Disease) Management: Integrate Atticus Artavia 2 SC into an overall disease management strategy that includes selection of varieties with disease tolerance and removal of plant debris in which inoculum may overwinter. Resistance Management: Do not apply more than four sequential applications of Atticus Artavia 2 SC before alternating with a fungicide that is not in Group 11. Do not make more than eight applications of Atticus Artavia 2 SC per acre per year. Application Directions: Begin Atticus Artavia 2 SC applications prior to disease development and continue throughout the season at 7 - 21 day intervals following the resistance management guidelines. Make applications by ground, air or chemigation. An adjuvant may be added at specified rates.
Roses (Commercial Rose Production)	Alternaria Leaf Spot (<i>Alternaria alternata</i>) Downy Mildew (<i>Peronospora sparsa</i>) Powdery Mildew (<i>Sphaerotheca pannosa</i>) Rust (<i>Phragmidium mucronatum</i> , <i>P. tuberculatum</i> , and other <i>Phragmidium</i> spp.) Septoria Leaf Spot (<i>Septoria rosea</i>)	3.0 - 15.3 (0.05 - 0.25)	Integrated Pest (Disease) Management: Integrate Atticus Artavia 2 SC 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: Do not make more than four sequential applications of Atticus Artavia 2 SC before alternating with a fungicide that is not in Group 11. Do not make more than eight applications per acre per year. Application Directions: Begin Atticus Artavia 2 SC application prior to disease development and continue throughout the year on 7 - 21 day intervals following the resistance management guidelines. Make applications by ground, air or chemigation. An adjuvant may be added at specified rates. Plant Safety: Atticus Artavia 2 SC is safe when applied to roses. However, all varieties of roses have not been evaluated for safety. Small scale variety safety testing must be conducted to insure plant safety prior to large scale application, in addition, do not tank mix Atticus Artavia 2 SC with other fungicides, insecticides, herbicides, fertilizer, etc. unless local experience indicates that the tank mix is safe to roses.

Specific Use Restrictions: Do not apply more than 123 fluid ounces of product/acre/year (2.0 lbs. a.i./A).

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and 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: less than or equal to 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 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 and 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.

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 remaining contents into application equipment or a mix tank. Fill the container 1/4 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 container for recycling, if available, or puncture and dispose of container in a sanitary landfill, or by incineration.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

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.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Atticus, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, neither Atticus, LLC, the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

Atticus Artavia™ 2 SC is a trademark of Atticus, LLC.

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Atticus ARTAVIA™ 2 SC

SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

1. IDENTIFICATION

PRODUCT NAME: Atticus Acadia 2 SC
DESCRIPTION: A liquid fungicide
EPA REG. NO.: 91234-74
COMPANY IDENTIFICATION: Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

2. HAZARD IDENTIFICATION

WARNING

Very toxic to aquatic life (H400)

HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
None	-	None	-
		Environmental Hazards	Category
		Hazardous to the Aquatic Environment – Acute	1

HAZARDS NOT REQUIRING CLASSIFICATION

Do not mix or allow contact with oxidizing agents. Hazardous chemical reaction may occur.

PRECAUTIONARY STATEMENTS

Avoid release to the environment not in accordance with the product label. (P273)

Collect spillage. (P391)

Dispose of contents / container using instructions in the product label and in accordance with local / Federal regulations. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Azoxystrobin	methyl (E)-2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]- α -(methoxymethylene)benzeneacetate	131860-33-8	22.9%

NOTE: Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies involving this product, call CHEMTREC® toll free at 1-800-424-9300.

5. FIREFIGHTING MEASURES

Flash Point: >110°C (>230°F)

Fire and Explosion Hazards: Thermal decomposition can release irritating and toxic fumes and gases.

Extinguishing Medium: Water fog, foam, dry chemical or carbon dioxide (CO₂).

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Fire Fighting Instructions: Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

NFPA Ratings: Health – 1 / Flammability – 1 / Reactivity – 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

Environmental Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Spill Cleanup: Dike spill using suitable absorbent or impervious materials such as sand or clay. Collect and contain contaminated absorbent and place in an appropriate container for disposal. Pump any free liquid into an appropriate closed container and decontaminate tools and equipment following cleanup. Collect washings for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

Protective Clothing: 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; shoe plus socks.

General: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	pure white liquid
Odor:	odorless
Melting / Freezing point:	no data available
Boiling Point / Boiling Range:	no data available
Flammability:	not flammable
Flammability Limits (upper/lower):	no data available
Flash Point:	> 110°C (>230°F)
Auto-ignition Temperature:	no data available
Decomposition Temperature:	no data available
pH:	6.3-7.3
Kinematic Viscosity:	no data available
Water Solubility:	emulsifies
Partition coefficient:	no data available
Vapor Pressure:	no data available
Density:	1.05-1.09 g/cm ³
Relative Vapor Density:	no data available
Particle Characteristics:	no data available

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Temperatures above 46°C (115°F) and high moisture.

CHEMICAL STABILITY: Stable under all normal use and storage conditions. May decompose if heated.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong oxidizing agents and acids.

HAZARDOUS DECOMPOSITION PRODUCTS: This product is chemically stable and no hazardous reactions should occur if stored and handled as prescribed / indicated. In case of fire, oxides of carbon and nitrogen can be released.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (rat LD₅₀): > 5,000 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 4,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 4.0 mg/L

EYE IRRITATION: Mildly irritating

SKIN IRRITATION: Slightly irritating

SKIN SENSITIZATION: Guinea pig – Not a contact sensitizer

CARCINOGENICITY:

EPA: Not Listed

ACGIH: Not Listed **NTP:** Not Listed

IARC: Not Listed **OSHA:** Not Listed

MUTAGENIC TOXICITY: No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

REPRODUCTIVE TOXICITY: No evidence in animal studies

12. ECOLOGICAL INFORMATION

This pesticide is toxic to freshwater and estuarine/marine fish and aquatic invertebrates.

Azoxystrobin and a degradate of azoxystrobin are known to leach through soil to groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

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 groundwater. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application.

The following information is for the active ingredient, Azoxystrobin:

AQUATIC TOXICITY

Rainbow Trout (96-hr LC₅₀): 0.47 mg/L

Bluegill (96-hr LC₅₀): 1.1 mg/L

Daphnia (48-hr EC₅₀): 80 µg/L

Algae (120-hr EC₅₀): 0.12 mg/L

AVIAN TOXICITY

Bobwhite Quail (LD₅₀): > 2000 mg/kg

Mallard Duck (LD₅₀): > 2000 mg/kg

OTHER TOXICITY

Honey Bee (oral LD₅₀): > 25 µg/bee (oral), > 200 µg/bee (contact)

13. DISPOSAL CONSIDERATIONS

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 DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

14. TRANSPORT INFORMATION

US-DOT: Not regulated

IMDG:

Containers ≤ 1.3 gal. (5L) in strong outer packaging:

Not regulated

Containers > 1.3 gal. (5L) or containers not in strong outer packaging:

Shipped internationally by vessel:

UN3082, Environmentally hazardous substance, liquid, N.O.S. (azoxystrobin), 9, III, Marine Pollutant

IATA:

Shipped by air:

UN3082, Environmentally hazardous substance, liquid, N.O.S. (azoxystrobin), 9, III, Marine Pollutant

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

FIFRA –

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS:

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

Groundwater 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 Volantis, LLC immediately if you observe any adverse environmental effects due to use of this product.

PHYSICAL OR CHEMICAL HAZARDS:

Do not mix or allow coming into contact with oxidizing agent. Hazardous chemical reaction may occur.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

SARA Title III – Section 311/312 Hazard Categories

Immediate

SARA Title III – Section 312 Threshold Planning Quantity

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients

None

CERCLA Reportable Quantity (RQ) –

None

CLEAN AIR ACT Threshold Quantity (TQ)

None

CALIFORNIA PROP 65 STATUS –

This product does not contain any chemicals known to the state of California to cause cancer or reproductive harm.

CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

To the extent consistent with applicable law, neither Atticus, LLC nor Seller 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 ATTICUS, 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 ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SDS Version: 2.1_US

Effective Date: 09/17/2020



Manufactured for:
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