



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

May 28, 2021

Beth Anderson  
Senior Regulatory Manager  
Atticus, LLC  
5000 CentreGreen Way, Suite 100  
Cary, NC 27513

Subject: PRIA Label and CSF Amendment – Revised Basic CSF Formulation; Adding Alt CSFs #1-4; Adding Physical/Chemical Hazard language to label and other label updates  
Product Name: A224.03  
EPA Registration Number: 91234-132  
Application Date: 8/31/2020, 5/27/2021  
Decision Number: 565816, 576143

Dear Beth Anderson:

The amended label and CSF(s) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, are acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Please note that the record for this product currently contains the following CSF(s):

- Basic CSF dated 08/31/2020
- Alternate CSF 1 dated 08/31/2020
- Alternate CSF 2 dated 08/31/2020
- Alternate CSF 3 dated 08/31/2020
- Alternate CSF 4 dated 08/31/2020

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product

would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Stephanie Suarez by phone at 703-347-8221 or via email at [Suarez.Stephanie@epa.gov](mailto:Suarez.Stephanie@epa.gov).



Nathan Mellor, Acting Product Manager 21  
Fungicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

05/28/2021

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 91234-132

[Note to reviewer: [Text] in brackets denotes optional or explanatory language  
[Note to reviewer: {Text} in braces denotes where in the final label text will appear  
{BOOKLET FRONT PANEL LANGUAGE}]

TEBUCONAZOLE GROUP 3 FUNGICIDE

**A224.03** [™]

[Alternate Brand Name: Elect 45 DF]

Contains tebuconazole, the active ingredient used in Elite® 45 DF.

**Control of specified diseases on listed crops****ACTIVE INGREDIENT:**

(% by weight)

Tebuconazole: alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol.....45.0%

**OTHER INGREDIENTS:** .....55.0%**TOTAL** ..... 100.0%

Contains 0.45 lb of Tebuconazole per pound of product

**KEEP OUT OF REACH OF CHILDREN****WARNING/AVISO**

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.)

<b>FIRST AID</b>	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at <b>1-844-685-9173</b> 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)**

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

**A224.03™** is not manufactured, or distributed by Bayer Crop Science, seller of Elite® 45 DF.

**EPA Reg. No.: 91234-132**

**EPA Est. No.:**

**Net Weight:**

Manufactured for:  
**Atticus, LLC**  
5000 CentreGreen Way, Suite 100  
Cary, NC 27513

## {LANGUAGE INSIDE BOOKLET}

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Causes substantial but temporary eye injury. Harmful if swallowed, inhaled or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals. **DO NOT** get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust or spray mist. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Use goggles or face shield

#### User Safety Requirements:

Remove and wash contaminated clothing before reuse. 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 STATEMENT:

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

#### 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 mammals, fish and aquatic invertebrates. **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. **DO NOT** contaminate water when disposing of equipment wash water or rinsate.

Ground Water Advisory: Tebuconazole is known to leach through soil into ground under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Surface Water Label Advisory: This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will

reduce the potential for contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

### PHYSICAL AND CHEMICAL HAZARDS

**DO NOT** mix or allow coming in contact with Oxidizing agents. 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. **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 17.0. 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), restricted-entry interval and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Workers Protection Standard.

**DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI). The REI for each crop is listed in the application directions associated with each crop.

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, including plants, soil, or water, is:

- Long -sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear

### PRODUCT INFORMATION

**Spray Volume:** Apply **A224.03** in 50 gallons or more of spray solution per acre by ground spray equipment or in 15 gallons or more per acre by aircraft equipment except as noted under the use directions for each crop. Increase spray volume as crop growth increases to ensure through coverage of foliage and fruit. Check equipment calibration frequently. Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied.

**Aerial Restriction:** Aerial application is not allowed in the State of New York.

**Chemigation:** **DO NOT** apply this product through any type of irrigation system.

**Mixing:** Add labeled amount of **A224.03** into the spray tank while filling with water to the desired level. Operate the agitator while mixing. If other materials are added to the spray tank, the **A224.03** must be thoroughly dispersed in the spray tank prior to the addition of any other materials.

**Compatibility:** The following procedure must be followed when determining the compatibility of **A224.03** with other products: Pour the directed proportions of the products into a suitable container of water. Mix thoroughly and allow to stand at least five (5) minutes. If the combination remains mixed or can be re-mixed readily, the mixture is

considered physically compatible. For further information, contact your local Atticus, LLC representative. 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.

**Runoff Management Restriction: DO NOT** cultivate within 10 feet of the aquatic areas to allow growth of a vegetative filter strip. When used on erodible soils, best management practices for minimizing runoff must be employed. Consult your local Soil Conservation Service for directions in your use area.

**Rotational Crops Restriction:** Any crop not specified on this label may be planted in treated areas 120 days after last application.

**OBSERVE THE FOLLOWING DIRECTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS INCLUDING LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS; MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.**

### **FUNGICIDE RESISTANCE MANAGEMENT**

For resistance management, **A224.03** contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to (name of product) and other Group **A224.03** 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 resistance, take one or more of the following steps:

- Rotate the use of **A224.03** or other Group 3 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/bactericide 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 specifications for specific crops and pathogens.
- For further information or to report suspected resistance contact Atticus, LLC at 984-465-4800. You can also contact your pesticide distributor or university extension specialist to report resistance.

### **MANDATORY SPRAY DRIFT**

#### Aerial Applications

- **DO NOT** release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.

- **DO NOT** apply during temperature inversions.

#### Ground Applications

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

#### Boom-less Ground Applications:

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions

### **Spray Drift Advisories**

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.  
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

#### **IMPORTANCE OF DROPLET SIZE**

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

#### **Controlling Droplet Size - Ground Boom**

- **Volume** - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- **Pressure** - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- **Spray Nozzle** - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

#### **Controlling Droplet Size - Aircraft**

- **Adjust Nozzles** - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

#### **BOOM HEIGHT - Ground Boom**

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

#### **RELEASE HEIGHT - Aircraft**

Higher release heights increase the potential for spray drift. When applying aurally to crops, **DO NOT** release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.

#### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.



## **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

## **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

## **WIND**

Drift potential generally increases with wind speed. **AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.** Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

**Buffer Zone Restrictions:** For soil or foliar applications, **DO NOT** apply by ground within 25 feet, or by air within 150 feet of lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries and commercial fish farm ponds.

**Airblast (Air Assist) Specific Directions for Tree Crops and Vineyards:** Airblast sprayers carry droplets into the canopy of trees/vines via a radially or laterally directed air stream.

The following specific drift management practices must be followed:

- Adjust deflectors and aiming devices so that spray is only directed into the canopy;
- Block off upward pointed nozzles when there is no overhanging canopy;
- Use only enough air volume to penetrate the canopy and provide good coverage;
- **DO NOT** allow the spray to go beyond the edge of the cultivated area (i.e. turn off sprayer when turning at end rows);
- Only spray inward, toward the orchard or vineyard, for applications to the outside rows.

## CROP SPECIFIC DIRECTIONS

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF A224.03
Grape	Black Rot ( <i>Guignardia bidwellii</i> )	4 oz./A (0.113 lb ai)
	Powdery mildew ( <i>Uncinula necator</i> )	
	Botrytis (Suppression)	
<p>Apply product in sufficient water for thorough coverage of vines and fruit. Increase spray volume as vine growth increases.</p> <p><b>Powdery Mildew</b> Apply in a preventive spray schedule. Make the first application of <b>A224.03</b> before bloom and continue applications using spray intervals of up to 21 days in low to moderate disease pressure. Use a 14-day schedule when disease pressure is severe.</p> <p><b>Black Rot</b> <u>Preventive Schedule:</u> Make the first application at 1 to 3 inches of new shoot growth and continue at 7 to 14-day intervals through 5° Brix stage or until veraison (berry coloring) is complete. Apply at 1-inch new growth and 7- to 10-day intervals on highly susceptible varieties or under severe disease conditions.</p> <p><u>Post-Infection Schedule:</u> A post-infection schedule may be followed from 1-inch new shoot growth through 5° Brix stage. Apply within 72 hours after the beginning of an infection period. <b>DO NOT</b> make <b>A224.03</b> applications closer than 7 days apart. Continue <b>A224.03</b> applications using the preventive schedule if the post-infection schedule is discontinued.</p> <p><b>Botrytis</b> <b>A224.03</b>, applied in a powdery mildew spray schedule, will enhance the activity of registered fungicides used for control of Botrytis bunch rot. Applications must be made on a 14-day schedule for suppression of Botrytis.</p> <p><b>RESISTANCE MANAGEMENT STRATEGY:</b> <b>A224.03</b> is a sterol demethylation inhibitor (DMI) fungicide. It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy. Tank-mixing <b>A224.03</b> with other DMI fungicides is not advised.</p> <p><b>RESTRICTIONS:</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 4 ounces (.113 lb ai) of <b>A224.03</b> per acre per application.</li> <li>• <b>DO NOT</b> apply more than 32 ounces (0.9 lb ai) of <b>A224.03</b> per acre per year.</li> <li>• <b>DO NOT</b> make more than 8 applications per acre per year.</li> <li>• Restricted-entry interval (REI) =12 hours</li> <li>• <b>PHI:</b> 14 days</li> <li>• <b>RTI:</b> 7 days</li> </ul>		

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF A224.03
Banana Plantain	Black Leaf Streak ( <i>Mycosphaerella fijiensis</i> )  Yellow Sigatoka ( <i>Mycosphaerella musicola</i> )	3.2 oz./A (0.09 lb ai)
<p>Apply specified dosage as a foliar spray in a minimum of 20 gallons or more of water per acre to assure thorough coverage of the plants. A spray oil specified for use on banana or plantain must be utilized at 4.3 pints per acre in tank-mix with <b>A224.03</b>. Thoroughly mix <b>A224.03</b> in the spray solution prior to the addition of a spray oil. Make the first application before disease becomes established and repeat applications at 14-day intervals if necessary, to maintain disease control.</p>		
<p><b>RESTRICTIONS:</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply <b>A224.03</b> to non-bagged bananas.</li> <li>• <b>DO NOT</b> apply more than 3.2 ounces (0.09 lb ai) of <b>A224.03</b> per acre per application.</li> <li>• <b>DO NOT</b> apply more than 16 ounces (0.45 lb ai) of <b>A224.03</b> per acre per year.</li> <li>• <b>DO NOT</b> make more than 5 applications per acre per year.</li> <li>• <b>RTI:</b> 14 days</li> <li>• <b>PHI:</b> 0 days.</li> <li>• Restricted-entry interval (REI) =12 hours</li> </ul>		

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF A224.03
Tree Nuts: Almond (see specific use directions) Beechnut Brazil nut Butternut Cashew Chestnut Chinquapin Filbert (see specific use directions) Hickory nut Macadamia nut Pistachios (see specific use directions) Walnut	Brown rot blossom blight ( <i>Monilinia laxa</i> , <i>M. fructicola</i> )  Botryosphaeria panicle and shoot blight ( <i>Botryosphaeria dothidea</i> )  Eastern filbert blight ( <i>Anisogramma anomala</i> )	8 oz./A (0.225 lb ai)
<p>Begin applications when conditions are favorable for disease but before infection. Apply on a 7- to 14-day spray schedule.</p>		
<p><b>RESISTANCE MANAGEMENT STRATEGY:</b> <b>A224.03</b> is a demethylation inhibitor (DMI) fungicide. It may be applied in a tank mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy. Tank mixing <b>A224.03</b> with other DMI fungicides is not advised.</p>		

**RESTRICTIONS:**

- **DO NOT** apply more than 8 ounces (0.225 lb ai) of **A224.03** per acre per application.
- **DO NOT** apply more than 32 ounces (0.9 lb ai) of **A224.03** per acre per year.
- **DO NOT** make more than 4 applications per acre per year.
- **DO NOT** cut cover crops in treated areas for feed, or allow livestock to graze treated areas.
- **RTI:** 7 days
- **PHI:** 45 days
- Restricted-entry interval (REI) = 12 hours

**APPLICATION DIRECTIONS**

<b>CROP</b>	<b>DISEASE</b>	<b>RATE OF A224.03</b>
Almond	Brown rot blossom blight ( <i>Monilinia laxa</i> , <i>M. fructicola</i> )	8 oz./A (0.225 lb ai)

Blossom blight: Begin application at pink-bud. If the bloom period is extended, and/or severe disease conditions exist, make a second application at full bloom. If conditions remain favorable for disease, make another application at petal fall.

**USE INFORMATION:** Apply **A224.03** in a minimum spray volume of 15 gallons per acre by air or 50 gallons per acre by ground. Reduce the application interval for varieties that are highly susceptible to the indicated diseases or when severe disease conditions exist. The use of ground application after petal fall is preferred because of difficulty in penetrating the canopy and obtaining thorough coverage of the foliage and fruit by air.

**RESISTANCE MANAGEMENT STRATEGY:** **A224.03** is a demethylation inhibitor (DMI) fungicide. It may be applied in a tank mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy. Tank mixing **A224.03** with other DMI fungicides is not advised.

**RESTRICTIONS:**

- **DO NOT** apply more than 8 ounces (0.225 lb ai) of **A224.03** per acre per application.
- **DO NOT** apply more than 32 ounces (0.9 lb ai) of **A224.03** per acre per year.
- **DO NOT** make more than 4 applications per acre per year.
- **DO NOT** cut cover crops in treated areas for feed, or allow livestock to graze treated areas.
- **RTI:** 10 days
- **PHI:** 35 days
- Restricted-entry interval (REI) = 12 hours

**APPLICATION DIRECTIONS**

<b>CROP</b>	<b>DISEASE</b>	<b>RATE OF A224.03</b>
Pistachio	Botryosphaeria panicle and shoot blight ( <i>Botryosphaeria dothidea</i> )	8 oz./A (0.225 lb ai)

**Botryosphaeria:** Begin application at 25 to 50% bloom and repeat again 10 to 14 days later to protect young flower clusters and fruit. Make two additional applications of **A224.03** 14 days apart beginning 49 days before harvest.\*

**USE INFORMATION:** Apply **A224.03** in a minimum spray volume of 15 gallons per acre by air or 50 gallons per acre by ground. Reduce the application interval for varieties that are highly susceptible to the indicated diseases or when severe disease conditions exist. The use of ground application after flowering is preferred because of difficulty in penetrating the canopy and obtaining thorough coverage of the foliage and fruit by air.

Control of insect vectors and a thorough pruning program to remove plant tissue infected by *Botryosphaeria* are critical for optimum control of this disease.

**RESISTANCE MANAGEMENT STRATEGY:** \***A224.03** is a demethylation inhibitor (DMI) fungicide. It may be applied in a tank mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy. Tank mixing **A224.03** with other DMI fungicides is not advised.

**RESTRICTIONS:**

- **DO NOT** apply more than 8 ounces (0.225 lb ai) of **A224.03** per acre per application.
- **DO NOT** apply more than 32 ounces (0.9 lb ai) of **A224.03** per acre per year.
- **DO NOT** make more than 4 applications per acre per year.
- **DO NOT** cut cover crops in treated areas for feed, or allow livestock to graze treated areas.
- **RTI:** 10 days
- **PHI:** 35 days
- Restricted-entry interval (REI) = 12 hours

APPLICATION DIRECTIONS		
CROP	DISEASE	RATE OF A224.03
Filbert (Hazelnut)	Eastern filbert blight ( <i>Anisogramma anomala</i> )	8 oz./A (0.225 lb ai)
<p>Apply <b>A224.03</b> in a preventive spray schedule when conditions are favorable for disease (for example budbreak when the first green tissue is visible). Continue applications of <b>A224.03</b> at 7- to 14-day intervals if weather conditions are conducive to disease development. Use shorter spray intervals during budbreak and rapid shoot elongation. The expanding shoot tip must be protected. Reduce the application interval for varieties that are highly susceptible to the indicated disease or when severe disease conditions exist.</p> <p>Apply <b>A224.03</b> in sufficient spray volume for thorough coverage. Tank mixing the lowest labeled rate of a spray surfactant with <b>A224.03</b> may improve spray coverage and penetration of the active ingredient into plant tissue. The use of ground application is preferred because of the difficulty in penetrating the canopy and obtaining thorough coverage of the foliage and stems by air.</p> <p>*<b>A224.03</b> is a sterol demethylation inhibitor (DMI) fungicide. It may be applied in tank mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy. Tank mixing <b>A224.03</b> with other DMI fungicides is not advised.</p>		
<b>RESTRICTIONS:</b>		
<ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 8 ounces (0.225 lb ai) of <b>A224.03</b> per acre per application.</li> <li>• <b>DO NOT</b> apply more than 32 ounces (0.9 lb ai) of <b>A224.03</b> per acre per year.</li> <li>• <b>DO NOT</b> make more than 4 applications per acre per year.</li> <li>• <b>DO NOT</b> cut cover crops in treated areas for feed, or allow livestock to graze treated areas.</li> <li>• <b>RTI:</b> 7 days</li> <li>• <b>PHI:</b> 36 days</li> <li>• Restricted-entry interval (REI) =12 hours</li> </ul>		

APPLICATION DIRECTIONS			
CROP	DISEASE	RATE OF A224.03	
Pome Fruits: Apple Crabapple Loquat Mayhaw Pear Pear, Oriental Quince	Scab ( <i>Venturia</i> spp.)  Cedar-apple rust ( <i>Gymnosporangium juniperi-virginianae</i> )  Powdery mildew ( <i>Podosphaera leucotricha</i> )	4 to 8 oz/acre* (0.113 – 0.225 lb ai)	2 oz/ 100 gal** (0.056 lb ai)
<p><b>Scab:</b>  <b>Preventive Schedule:</b> Apply at 7- to 10-day intervals from green tip through the second cover spray.</p> <p><b>Post-Infection Schedule:</b> Apply within 72 hours after the beginning of a scab infection period. <b>DO NOT</b> make <b>A224.03</b> applications closer than 7 days apart. Continue <b>A224.03</b> applications using the preventive schedule if the post-infection schedule is discontinued.</p> <p><b>Cedar-apple rust:</b> Apply at 7- to 10-day intervals from pink stage through the second cover spray.</p> <p><b>Powdery mildew:</b> Apply at 7- to 10-day intervals from tight cluster through the second cover spray.</p> <p><b>USE INFORMATION:</b>  *The amount of <b>A224.03</b> required per acre will depend on tree size and volume of foliage present. The rate per acre is based on a standard of 400 gallons of dilute spray solution per acre for large trees. For smaller trees, multiply 2 ounces times the number of 100 gallons of spray solution required to thoroughly wet, to the point of runoff, one acre of the trees being treated. However, <b>DO NOT</b> exceed 8 oz product per acre per application.</p> <p>**For concentrate sprays, apply the same amount of product per acre as would be applied in a dilute spray based on tree size and foliage volume.</p> <p><b>RESISTANCE MANAGEMENT STRATEGY:</b> <b>A224.03</b> is a demethylation inhibitor (DMI) fungicide. It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy. <b>DO NOT</b> mix or alternate <b>A224.03</b> with other DMI fungicides.</p> <p><b>RESTRICTIONS:</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 8 ounces (0.225 lb ai) of <b>A224.03</b> per acre per application.</li> <li>• <b>DO NOT</b> apply more than 48 ounces (1.35 lb ai) of <b>A224.03</b> per acre per year.</li> <li>• <b>DO NOT</b> make more than 12 applications per acre per year when using reduced application rates.</li> <li>• <b>RTI:</b> 7 days</li> <li>• <b>PHI:</b> 75 days</li> <li>• Restricted-entry interval (REI) = 5 days</li> </ul>			

APPLICATION DIRECTIONS			
CROP	DISEASE	RATE OF A224.03	
Stone Fruits: Apricot Cherry Nectarine Peach Plum Plumcot Prune (fresh)	Brown rot (blossom blight, fruit rot) ( <i>Monilinia laxa</i> , <i>M. fructicola</i> )  Cherry Leaf Spot ( <i>Blumeriella jaapii</i> )  Powdery mildew ( <i>Podosphaera spp.</i> , <i>Sphaerotheca pannosa</i> )	4 to 8 oz/acre* (0.113 – 0.225 lb ai)	2 oz/ 100 gal** (0.056 lb ai)
Plum Plumcot Prune (fresh) Peach	Rust ( <i>Tranzschelia discolor</i> )	5 to 8 oz/acre* (0.141 – 0.225)	
<p><b>Blossom blight:</b> Begin application at white bud on cherry, pink bud on peach and nectarine, and green tip on plums and prunes. Apply again at 50% bloom and at petal fall if conditions continue to be favorable for disease development.</p> <p><b>Fruit rot:</b> Begin application at two to three weeks before harvest and continue at 7-day intervals through the day of harvest. The blossom and fruit stages must be protected for optimum control of brown rot. If <b>A224.03</b> is applied during only one of these stages, another registered fungicide must be applied to the other stage to provide optimum protection. Additional cover sprays during the early post-bloom period are also important for preventing quiescent fruit infections on sweet cherry and peach.</p> <p><b>Leaf spot:</b> Begin application at petal fall or when first leaves unfold and continue applications at 7- to 14-day intervals. Make applications at 7-day intervals early in the growing season when terminal growth is rapid and/or under severe disease conditions. A postharvest application may be made to maintain control and reduce overwintering inoculum.</p> <p><b>Powdery mildew:</b> Follow leaf spot schedule until terminal growth ceases.</p> <p><b>Rust:</b> Begin applications after canker emergence and continue applications at 14-day intervals under severe disease conditions.</p> <p>* The amount of <b>A224.03</b> required per acre will depend on tree size and volume of foliage present. The rate per acre is based on a standard of 400 gallons of dilute spray solution per acre for large trees. For smaller trees, multiply 2 ounces times the number of 100 gallons of spray solution required to thoroughly wet, to the point of runoff, one acre of the trees being treated. For concentrate sprays, apply the same amount of product per acre as would be applied in a dilute spray based on tree size and foliage volume, but not less than 4 ounces (0.113 lb ai) of <b>A224.03</b> per acre. Apply 6 to 8 ounces (0.169 – 0.225 lb ai) per acre of <b>A224.03</b> when severe disease conditions exist. However, <b>DO NOT</b> exceed 8 oz (0.225 lb ai) product per acre per application.</p> <p>** When using the 2 oz./100 gal. rate, use at least 4 ounces (0.113 lb ai) of <b>A224.03</b> per acre.</p> <p><b>RESISTANCE MANAGEMENT STRATEGY:</b> <b>A224.03</b> is a demethylation inhibitor (DMI) fungicide. It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy. <b>DO NOT</b> mix <b>A224.03</b> with other DMI fungicides.</p>			

**RESTRICTIONS:**

- **DO NOT** apply more than 8 ounces (0.225 lb ai) of **A224.03** per acre per application.
- **DO NOT** apply more than 48 ounces (1.35 lb ai) of **A224.03** per acre per year.
- **DO NOT** make more than 12 applications per acre per year when using reduced application rates.
- **RTI:** 7 days (except rust RTI: 14 days)
- **PHI:** 0 days
- Restricted-entry interval (REI) = 5 days

**APPLICATION DIRECTIONS**

<b>CROP</b>	<b>DISEASE</b>	<b>RATE OF A224.03</b>
Cherry (Post-Harvest)	Brown rot ( <i>Monilinia</i> spp.)  Grey Mold ( <i>Botrytis cinerea</i> )  Rhizopus rot ( <i>Rhizopus</i> spp.)	8.0-16.0 oz. per 25,000 lb. of fruit (0.225 - 0.45 lb ai)

Mix specified rate of **A224.03** in 100 gallons of water or wax/oil emulsion (or aqueous dilution of a wax/oil emulsion). Apply through a spray or flood system on a commercial packing line after stem cutting, sizing, sorting or washing. For spray treatments, use conventional spray equipment including T-Jet, flat-fan, or flood jet spray nozzles. Use enough fruit coating material to fully coat fruit. Workers handling treated fruit need to wear waterproof gloves.

**RESTRICTION:**

- **DO NOT** apply more than once prior to boxing and **DO NOT** rinse.
- **DO NOT** apply more than 16 oz. (0.45 lb ai) per 25,000 lb. of fruit per application.

**APPLICATION DIRECTIONS**

<b>CROP</b>	<b>DISEASE</b>	<b>RATE OF A224.03</b>
Plums (Post- Harvest)  Including Chickasaw, Damson, Japanese, Plumcot, Prune (Fresh)	Brown rot ( <i>Monilinia</i> spp.)  Grey Mold ( <i>Botrytis cinerea</i> )  Rhizopus rot ( <i>Rhizopus</i> spp.)	8.0 oz. per 200,000 lb. of fruit (0.225 lb ai)

Mix specified rate of **A224.03** in 100 gallons of water, with or without wax. Maintain **A224.03** suspension by direct or by-pass agitation sufficient to prevent settling of product in spray mixture. Apply as spray to fruit as they travel along packing line. After sizing, sorting or washing, **A224.03** application may be incorporated into a waxing system using conventional equipment that provides for even and complete coverage of fruit.

**RESTRICTION:**

- **DO NOT** apply more than once prior to boxing and **DO NOT** rinse.
- **DO NOT** apply more than 8.0 oz. (0.225 lb ai) per 200,000 lb. of fruit per application.



## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

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

### **CONTAINER HANDLING:**

Nonrefillable container. **DO NOT** reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

## 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.

[A224.03] is a trademark of Atticus, LLC  
[Elite®] [45 DF] is a registered trademark of Bayer  
Crop Science.

# {LANGUAGE ON LABEL AFFIXED TO CONTAINER}

TEBUCONAZOLE	GROUP 3	FUNGICIDE
--------------	---------	-----------

## A224.03™

[Alternate Brand Name: Elect 45 DF]

Contains tebuconazole, the active ingredient used in Elite® 45 DF.  
Control of specified diseases on listed crops

**ACTIVE INGREDIENT:** (% by weight)

Tebuconazole: alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol.....45.0%

**OTHER INGREDIENTS:**.....55.0%

**TOTAL** .....100.0%

## KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

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.)

FIRST AID	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li><b>DO NOT</b> induce vomiting unless told to do so by the poison control center or doctor.</li> <li><b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
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 <b>1-844-685-9173</b> 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

##### WARNING

Causes substantial but temporary eye injury. Harmful if swallowed, inhaled or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals. **DO NOT** get in eyes or

on clothing. Avoid contact with skin. Avoid breathing dust or spray mist. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to mammals, fish and aquatic invertebrates. **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. **DO NOT** contaminate water when disposing of equipment wash water or rinsate.

**Ground Water Advisory:** Tebuconazole is known to leach through soil into ground under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**Surface Water Label Advisory:** This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

**Physical and Chemical Hazards:** **DO NOT** mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

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

**CONTAINER HANDLING:**

Nonrefillable container. **DO NOT** reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

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

A224.03™ is not manufactured, or distributed by Bayer Crop Science, seller of Elite®45 DF.

Manufactured for:  
**Atticus, LLC**  
5000 CentreGreen Way, Suite 100  
Cary, NC 27513

**EPA Reg. No.: 91234-132**  
**EPA Est. No.:** \_\_\_\_\_  
**NET WEIGHT:** \_\_\_\_\_