

Group

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Fungicide

Agri Star®

SPECIMEN LABEL

TEBUSTAR® 45WSP

FOLIAR FUNGICIDE IN WATER SOLUBLE PACKETS FOR USE ON SPECIFIED STONE FRUITS, GRAPE AND BANANA

ACTIVE INGREDIENT:

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

OTHER INGREDIENTS: 55.0%

TOTAL: 100.0%

EPA Reg. No. 42750-102

EPA Est. No. 33967-NJ-001

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID**IF IN EYES:**

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR
CLOTHING:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

In case of emergency call CHEMTREC at 1-800-424-9300. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

Note To Physician: No specific antidote. Treat symptomatically. Symptoms of Poisoning: The compound does not cause any definite symptoms that would be diagnostic. Contact with the eyes may cause irritation.

**See inside booklet for additional PRECAUTIONARY STATEMENT
and complete DIRECTIONS FOR USE.**

Manufactured for:

ALBAUGH, LLC

1525 NE 36th Street
Ankeny, Iowa 50021



Albaugh®
Your Alternative™

STOP - Read the label before use

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust or spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are listed below.

Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves made of any waterproof material
3. Shoes plus socks

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

ENGINEERING CONTROLS STATEMENTS

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.

Water soluble packets, when used correctly, qualify as a closed mixing/loading system under the Worker Protection Standard [40 CFR 170.607(d)]. Mixers and loaders handling this product while it is enclosed in intact water soluble packets may elect to wear reduced PPE of long-sleeved shirt, long pants, shoes, socks and chemical-resistant gloves.

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 break-down.

USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
 2. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
 3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothes.
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ENVIRONMENTAL HAZARDS

This pesticide is toxic to estuarine and marine 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 washwater or rinsate.

Ground Water Advisory: Tebuconazole is known to leach through soil into groundwater 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 ground-water contamination.

Surface Water 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 such as 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.

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.

Instructions for Using Water Soluble Packages Directly into Spray tanks:

Water Soluble Packages (WSPs) are designed to dissolve in water. Agitation may be used, if necessary, to help dissolve the WSP. Failure to follow handling and mixing instructions can increase your exposure to the pesticide products in WSPs. WSPs, when used properly, qualify as a closed mixing/loading system under the Agricultural Worker Protection Standard [40 CFR 170.607(d)].

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), restricted-entry interval and notification to workers. 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 acres 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, such as plants, soil, or water, is:

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

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep water soluble packets in this container and store in a cool dry place but not below freezing (32°F) and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking or material is spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CHEMIGATION

Do not apply this product through any type of irrigation system.

SPRAY VOLUME

TEBUSTAR® 45WSP may be applied 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 "REMARKS" for each crop. Increase spray volume as crop growth increases to ensure thorough coverage of the 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.

Handling Instructions

Follow these steps when handling pesticide products in WSPs.

1. Mix in spray tank only.
2. Handle WSP(s) in a manner that protects package from breakage and/or unintended release of contents. If package is broken, put on PPE required for clean-up and then continue with mixing instructions.
3. Keep the WSP(s) in outer packaging until just before use.
4. Keep the WSP dry prior to adding to the spray tank.
5. Handle with dry gloves and according to the label instructions for PPE.
6. Keep WSP intact. Do not cut or puncture WSP.
7. Reseal the WSP outer packaging to protect any unused WSP(s).

MIXING

The enclosed packets are water soluble. Do not allow packets to become wet prior to mixing spray solution. Do not handle with wet hands or wet gloves. Reseal outer bag to protect remaining packets.

Mixing Instructions

Follow the steps below when mixing this product, including if tank mixed with other pesticide products. If being tank mixed, the mixing directions 1 through 9 below take precedence over the mixing directions of the other tank mix products.

WSPs may, in some cases, be mixed with other pesticide products so long as the directions for use of all mixed products do not conflict. Do not tank mix this product with products that prohibit tank mixing or have conflicting mixing directions.

1. If a basket or strainer is present in the tank hatch, remove prior to adding the WSP to the tank.
2. Fill tank with water to approximately one-third to one-half of the desired final volume of spray.
3. Stop adding water and stop any agitation.
4. Place intact/unopened WSP(s) into the tank.
5. Do not spray water from a hose or fill pipe to break or dissolve the WSP(s).
6. Start mechanical and recirculation agitation from the bottom of tank without using any overhead recirculation, if possible. If overhead recirculation cannot be turned off, close the hatch before starting agitation.
7. Dissolving the WSP(s) may take up to 5 minutes or longer, depending on water temperature, water hardness and intensity of agitation.
8. Stop agitation before tank lid is opened.
9. Open the lid to the tank, exercising caution to avoid contact with dusts or spray mix, to verify that the WSPs have fully dissolved and the contents have been thoroughly mixed into the solution.
10. Do not add other allowed products or complete filling the tank until the bags have fully dissolved and pesticide is thoroughly mixed.
11. Once the WSP have fully dissolved and any other products have been added to the tank, resume filling the tank with water to the desired level, close the tank lid, and resume agitation.
12. Use the spray solution when mixing is complete.
13. Maintain agitation of the diluted pesticide mix during transport and application.
14. It is unlawful to use any registered pesticide, including WSPs, in a manner inconsistent with its label.

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.

RESTRICTIONS: Do not use PVA packets in a tank mix with products that contain boron or release free chlorine. The resultant reaction of PVA and boron or free chlorine is a plastic which is not soluble in water or solvents such as diesel oils, kerosene, gasoline or alcohol. TEBUSTAR® 45WSP is compatible with chlorinated water. Do not attempt to use the PVA packet directly in diesel oils or summer spray type oils as in ULV or LV uses. PVA packets are water soluble, not oil soluble.

RESTRICTION: No aerial application in New York State.

APPLICATION INSTRUCTIONS

CROP	DISEASE	RATE OF TEBUSTAR® 45WSP	
Stone Fruits: Apricot Cherry Peach Nectarine Plum Plumcot Prune (fresh)	Brown rot (blossom blight, fruit rot) <i>(Monilinia laxa, M. fructicola)</i> Cherry leaf spot <i>(Blumeriella jaapii)</i> Powdery mildew <i>(Podosphaera spp., Sphaerotheca pannosa)</i>	2 oz/100 gal*	4 to 8 oz/acre**
Plum Plumcot Prune (fresh) Peach	Rust <i>(Tranzschelia discolor)</i>	2 oz/100 gal	5 to 8 oz/acre

Blossom blight: Begin application at white bud on cherry or 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.

Fruit rot: 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 TEBUSTAR® 45WSP is applied during only one of these stages, another registered fungicide should be applied to the other stage to provide optimum protection. Additional cover sprays during the early postbloom period are also important for preventing quiescent fruit infections in sweet cherry and peach.

Leaf spot: Begin application at petal fall or when first leaves unfold and continue applications at 7- to 14-day intervals. Applications should be made 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.

Powdery mildew: Follow leaf spot schedule until terminal growth ceases.

Rust: Begin applications after canker emergence and continue applications at 14-day intervals under severe disease conditions.

PRODUCT USE DIRECTIONS:

TEBUSTAR® 45WSP may be applied up to and including the day of harvest (0-day PHI).

TEBUSTAR® 45WSP is a sterol demethylation inhibitor (DMI) fungicide. It may be applied in tank mix or alternated (every other spray application) with a non-DMI (protectant) fungicide as a resistance management strategy.

*When using the 2 oz/100 gal rate, use at least 4 oz of TEBUSTAR® 45WSP per acre.

**The amount of TEBUSTAR® 45WSP 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 oz 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 of TEBUSTAR® 45WSP per acre. Apply 6 to 8 ounces per acre of TEBUSTAR® 45WSP when severe disease conditions exist.

Restrictions:

Restricted-entry interval (REI) = 5 days.

Do not apply more than 3 lb of product AI equivalent per acre per crop season.

Do not mix TEBUSTAR® 45WSP with other DMI fungicides.

CROP	DISEASE	RATE OF TEBUSTAR® 45WSP
Grape	Black rot Powdery mildew	4 ounces per acre

Powdery Mildew

Apply in a preventive spray schedule. Make the first application of TEBUSTAR® 45WSP 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.

Black Rot

Preventive Schedule: 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 shoot growth and at 7- to 10-day intervals on highly susceptible varieties or under severe disease conditions.

Post-Infection Schedule: 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. TEBUSTAR® 45WSP applications must not be closer than 7 days apart. Continue TEBUSTAR® 45WSP applications using the preventive schedule if the post-infection schedule is discontinued.

Botrytis

TEBUSTAR® 45WSP, 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.

PRODUCT USE DIRECTIONS

The minimum interval between applications is 7 days.

Apply product in sufficient water for thorough coverage of vines and fruit. Increase spray volume as vine growth increases.

RESTRICTIONS:

Restricted-entry interval (REI) = 12 hours.

Do not apply TEBUSTAR® 45WSP after 14 days of harvest.

Do not apply more than 2 lbs AI equivalent of TEBUSTAR® 45WSP product per acre per crop season.

TEBUSTAR® 45WSP may be applied up to the day of harvest. Preharvest interval (PHI) is 0 days.

Do not apply by aerial application in the State of New York

TEBUSTAR® 45WSP 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 TEBUSTAR® 45WSP with other DMI fungicides is not recommended.

CROP	DISEASE	RATE OF TEBUSTAR® 45WSP
Banana Plantain	Black Leaf Streak Yellow Sigatoka	3.2 oz per acre

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 recommended for use on banana or plantain should be utilized at 4.3 pints per acre in tank-mix with TEBUSTAR® 45WSP. Thoroughly mix TEBUSTAR® 45WSP 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.

Do not apply TEBUSTAR® 45WSP to non-bagged bananas. Do not apply more than 16 oz of TEBUSTAR® 45WSP product AI equivalent per acre per harvest cycle.

Restricted-entry interval (REI) = 12 hours.

OBSERVE THE FOLLOWING PRECAUTIONS AND RESTRICTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.

Spray Drift Management:

The interaction of many equipment and weather related factors determines the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

Buffer Zone Requirements:

RESTRICTION: 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.

Aerial Applications:

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used, and must not exceed 75% of the wing span or rotor diameter.

Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150–200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure.

Spray should be released at the lowest possible height consistent with good pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.

Wind Speed Restrictions:

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Do not apply when winds are greater than 15 mph and avoid gusty and windless conditions. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Restrictions During Temperature Inversions:

Do not make aerial or ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however if fog is not present, inversions can also be identified by the movement of smoke from a ground source. 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 mixing.

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 should 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.

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 should be employed. Consult your local Soil Conservation Service for recommendations in your use area.

ROTATIONAL CROPS RESTRICTION

Any crop not specified on this label may be planted into treated areas 120 days after last application.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, 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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Albaugh, LLC. All such risks shall be assumed by the user or buyer.

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