

4581-416

08/24/2006

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## U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505C)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

4581-416

Date of Issuance:

AUG 24 2006

## NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Tebuconazole 45 WDG

Name and Address of Registrant (include ZIP Code):

Cerexagri, Inc  
630 Freedom Business Center, Suite 402  
King of Prussia, PA 19406

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA Section 3(c)(5) when the agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA Section 4.

2. Make the following label changes before you release the product for shipment:

- Revise the EPA Registration Number to read, "EPA Reg. No. 4581-416."
- Delete, "Contact with the eyes may cause irritation." from the bottom of the First Aid box. This phrase conflicts with precautionary statements stating, "Causes substantial but temporary eye injury."

Continued on page 2

Signature of Approving Official:

Mary L. Waller, Product Manager (21)  
Fungicide Branch, Registration Division (7505C)

Date:

8/24/06

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- c. Under the Emergency Telephone Numbers, specify that Chemtrec is for spills and place this number BELOW the medical emergency number.
- d. Add **Manufactured for** above Cerexagri's name and address at the bottom of page 1.
- e. Change *protective eyewear* to ***goggles or face shield*** in the PPE section (page 2) and the Agricultural Use (page 3) section.
- f. Revise sentence in warranty statement to read, "To the extent allowed under State law, Cerexagri, Inc., Manufacturer or seller **shall not** be liable for any incidental, consequential..."


3. Submit acceptable Storage Stability (OPPTS No. 830.6317) and Corrosion Characteristics (OPPTS No. 830.6320) studies within 15 months of the date of this registration.

4. Submit one copy of the revised final printed label before the product is released for shipment.

Copies of product chemistry reviews (DP330182 dated 06/29/06 & DP 330732 dated 20/JUL/2006) are included for your records.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Sincerely,



Mary L. Waller  
Product Manager (21)  
Fungicide Branch  
Registration Division (7505C)

Enclosures

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# TEBUCONAZOLE 45 WDG

## Foliar Fungicide

ACTIVE INGREDIENT: Tebuconazole, $\alpha$ -[2-(4-chlorophenyl)ethyl] $\alpha$ -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol .....	45%
OTHER INGREDIENTS: .....	55%
TOTAL: .....	100%

**STOP – read label before use**  
**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

#### 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 eye.
- 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.

Have the 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.

### EMERGENCY TELEPHONE NUMBERS:

CHEMTREC: (800) 424-9300

MEDICAL: (303) 623-5716

Rocky Mountain Poison Control Center

EPA Reg. No. 4581-URA

EPA Est. No. \_\_\_\_\_

NET CONTENTS: \_\_\_\_\_ LBS.

Cerexagri, Inc.  
630 Freedom Business Center, Suite 402  
King of Prussia, PA 19406  
1 800-438-6071

**ACCEPTED  
with COMMENTS  
in EPA Letter Dated**

**AUG 24 2006**

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

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## 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.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category A on an EPA Chemical Resistant Category Selection Chart.

Applicators and other handlers must wear:

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

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.

#### 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.

#### USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

#### 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.

### 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 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 areas during the restricted entry interval (REI) of 12 hours.

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

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

Chemigation: Do not apply this product through any type of irrigation system

Spray Volume: Apply TEBUCONAZOLE 45 WDG 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.

Aerial application is not allowed on Long Island, New York.

Mixing: Add recommended amount of TEBUCONAZOLE 45 WDG into the spray tank while filling with water to the desired level. Operate the agitator while mixing. TEBUCONAZOLE 45 WDG should be thoroughly dispersed in the spray tank prior to the addition of any other materials.

Compatibility: The following procedure should be followed when determining the compatibility of TEBUCONAZOLE 45 WDG with other products.

Pour the recommended 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 Cerexagri, Inc. representative.

CROP	DISEASE	RATE OF TEBUCONAZOLE 45 WDG		REMARKS
Cherry Peach Nectarine	General Information			Do not apply more than 3 pounds (48 ounces) of product per acre per crop season. TEBUCONAZOLE 45 WDG is a sterol demethylation inhibitor (DMI) fungicide. Apply in a tank mix or alternate every other spray application with a non-DMI fungicide as a resistance management strategy. Do not mix TEBUCONAZOLE 45 WDG with other DMI fungicides. Preharvest Interval: 0-day
Cherry Peach Nectarine	Brown Rot (Blossom Blight, Fruit Rot)	2 oz/100 gal*	4 to 8 oz/acre**	Blossom Blight: Begin application at white bud on cherry or pink bud on peach and nectarine. 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 TEBUCONAZOLE 45 WDG is applied during only one of these stages, apply another registered fungicide during 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.

Cherry	Leaf Spot Powdery Mildew			Leaf Spot: 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. Powdery Mildew: Follow leaf spot schedule until terminal growth ceases.
Peach	Rust	2 oz/100 gal	5 to 8 oz/acre	Begin applications after canker emergence and continue applications at 14-day intervals under severe disease conditions.

\* When using the 2 oz/100 gal rate, use at least 4 oz of TEBUCONAZOLE 45 WDG per acre.

\*\* The amount of TEBUCONAZOLE 45 WDG 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 TEBUCONAZOLE 45 WDG per acre. Apply 6 to 8 ounces per acre of TEBUCONAZOLE 45 WDG when severe disease conditions exist.

CROP	DISEASE	RATE OF TEBUCONAZOLE 45 WDG	REMARKS
Grape	General Information		<p>Apply a maximum of 2 pounds (32 ounces) of TEBUCONAZOLE 45 WDG per acre per crop season. The minimum interval between applications is 7 days. In the state of New York, apply only by ground. Apply product in sufficient water for thorough coverage of vines and fruit. Increase spray volume as vine growth increases. TEBUCONAZOLE 45 WDG is a sterol demethylation inhibitor (DMI) fungicide. Apply in a tank-mix or alternate every other spray application with a non-DMI fungicide as a resistance management strategy. Tank-mixing TEBUCONAZOLE 45 WDG with other DMI fungicides is not recommended. Preharvest Interval: 14 days</p>
	Black Rot	4 ounces per acre	<p>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: Follow a post-infection schedule from 1 inch new shoot growth through 5° Brix stage. Apply within 72 hours after the beginning of an infection period. Do not apply TEBUCONAZOLE 45 WDG closer than 7- day intervals. Continue TEBUCONAZOLE 45 WDG applications using the preventive schedule if the post-infection schedule is discontinued.</p>
	Powdery Mildew	4 ounces per acre	<p>Apply in a preventive spray schedule. Make the first application of TEBUCONAZOLE 45 WDG before bloom and continue applications using spray intervals of up to 21 days under low to moderate disease pressure. When disease pressure is severe, use a 14-day spray schedule. Rotate with non-DMI (Group 3) fungicides.</p>
	Botrytis (Suppression)	4 ounces per acre	<p>TEBUCONAZOLE 45 WDG, applied in a powdery mildew spray schedule, will enhance the activity of registered fungicides (such as Topsin® M) used for control of Botrytis Bunch Rot. Applications must be made on a 14-day schedule for suppression of Botrytis.</p>

CROP	DISEASE	RATE OF TEBUCONAZOLE	REMARKS
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		45 WDG	
Banana Plantain	General Information		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. Utilize a spray oil recommended for use on banana or plantain at 4.3 pints per acre in a tank-mix with TEBUCONAZOLE 45 WDG. Thoroughly mix TEBUCONAZOLE 45 WDG 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 TEBUCONAZOLE 45 WDG to non-bagged bananas. Apply a maximum of 1 pound (16 ounces) of TEBUCONAZOLE 45 WDG per acre per harvest cycle. Preharvest interval: 0-day
	Black Leaf Streak Yellow Sigatoka	3.2 oz per acre	

OBSERVE THE FOLLOWING PRECAUTIONS 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 determine 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:** 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.

**Recommendations For 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. Avoiding applications when wind direction is toward the aquatic area can reduce risk of exposure to sensitive aquatic areas.

**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, the movement of smoke from a ground source can also identify inversions. 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 Recommendations 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.



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**Runoff Management:** 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

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

#### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a cool, dry place 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 Disposal:** 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.

#### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials, resistant strains or other influencing factors in the use of the product. To the extent allowed by state law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Cerexagri, Inc., Manufacturer and Seller harmless for any claims relating to such factors. Cerexagri, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. CEREXAGRI, INC. AND MANUFACTURER MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent allowed by state law, in no event shall Cerexagri, Inc., Manufacturer or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT ALLOWED BY STATE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF CEREXAGRI, INC., MANUFACTURER 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 CEREXAGRI, INC., MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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