



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Mr. Robert Hawk  
Source Dynamics LLC  
10039 E. Troon North Drive  
Scottsdale, AZ 85262

DEC 22 2010

Subject: Tebuconazole 3.6F Fungicide  
EPA Reg. No. 82542-27  
Your resubmission dated December 17, 2010  
Decision Number 436944

Dear Mr. Hawk:

The label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following conditions are met:

1) On page 7, move the following statement to page 1:

"Before using Tebuconazole 3.6F Fungicide, as permitted according to this supplemental label, read and follow all applicable directions, restrictions, and precautions on the EPA registered label on or attached to the pesticide container. This Supplemental Labeling contains revised use instructions and/or restrictions that may be different from those that appear on the container label. This supplemental labeling must be in possession of the user at the time of pesticide application."

2) On page 8, move the sentence "It is a violation of Federal law to use this product in a manner inconsistent with its labeling." below the "Directions for Use" heading on page 2.

One copy of the label stamped "Accepted, with comments" is enclosed for your records. Please submit one copy of the final printed label before the product is released for shipment. You must incorporate this supplemental labeling into your master label within 18 months or

at your next label printing, whichever comes first. If you have any questions, please contact Tracy Keigwin of my team at (703) 305-6605 and/or via email at [keigwin.tracy@epa.gov](mailto:keigwin.tracy@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Mary L. Waller".

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

Enclosure: "Accepted, with comments" label

3/10

Draft supplemental label December 17, 2010

**SUPPLEMENTAL LABEL**  
**TEBUCONAZOLE 3.6F Fungicide**

**For control of listed diseases on ornamentals and golf courses.**

**ACTIVE INGREDIENT:**

Tebuconazole,  $\alpha$ -[2-(4-chlorophenyl)ethyl]- $\alpha$ -(1,1-dimethylethyl)-

1H-1,2,4-triazole-1-ethanol..... 38.7%

**OTHER INGREDIENTS:** ..... 61.3%

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

Contains 3.6 pounds Tebuconazole per gallon

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

For chemical emergency: spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.

Manufactured for:

Source Dynamics LLC

10039 E. Troon North Drive

Scottsdale, AZ 85262

tel. 480-502-9289

EPA Registration No.: 82542-27

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

Net Contents: 2.5 gallons

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**

12/22/2010

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

82542-27

## **DIRECTIONS FOR USE**

### **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), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

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

- Coveralls
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton
- Shoes plus socks

### **NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box only apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Turf and Landscape Uses: Do not enter or allow others to enter treated area until sprays have dried.

## **DISEASE CONTROL IN GOLF COURSE TURF**

### **TURF USE RESTRICTIONS AND PRECAUTIONS**

For use on golf course turf only.

Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields, athletic fields located on or next to schools (i.e., elementary, middle and high school), campgrounds, churches, and theme parks.

Not for homeowner use.

Not for use on turf being grown for sale or commercial use as sod.

Do not use clippings for animal feed.

Do not exceed 3.6 fl.oz. of Tebuconazole 3.6F Fungicide per 1,000 sq ft per year.

Do not apply more than 6 applications per year.

### General Information

For use on all Golf turf applications of cool season and warm season grasses (such as Bentgrasses, Bluegrasses, Fescues, Ryegrasses, St. Augustine grasses, and Zoysia) or their mixtures. Tebuconazole 3.6F is not phytotoxic to any of the above mentioned grasses when used in accordance with the label.

Note: Bermudagrass can be sensitive to Tebuconazole 3.6F under certain conditions. Do not apply consecutive applications during or just after dormancy break. Avoid applications when temperatures are expected to exceed 85 degrees F.

Tebuconazole 3.6F can be used for the prevention and control of the diseases mentioned in table below. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Preventative treatments can be applied using 28 day intervals as indicated. When treating golf greens, always treat aprons and approaches. Spray uniformly over the area to be treated with properly calibrated equipment.

Apply the specified amount of Tebuconazole 3.6F Fungicide in sufficient water for thorough coverage. A volume of 66 – 132 gallons per acre (1.5 – 3.0 gallons per 1,000 sq ft) is recommended. Apply using properly calibrated low volume, hand held, mechanical or motorized ground broadcast equipment. Application to small areas may be made with low-pressure handwand or backpack equipment. Maintain constant agitation during application.

Depending on the disease, Tebuconazole 3.6F should be watered into the crown and active root zone for best results. Make all applications after mowing and allow foliage to dry thoroughly before irrigation. For best results use spray mixture the same day it is prepared.

### Golf Course Turf Disease Control

DISEASE	RATE of Tebuconazole 3.6F Fungicide (fl. oz./1000 Sq Ft)	NOTES
Dollar Spot ( <i>Sclerotinia homoeocarpa</i> ) Copper Spot ( <i>Gloeocercospora sorghi</i> ) Powdery Mildew ( <i>Erysiphe graminis</i> ) Corticiu Red Thread ( <i>Laetisaria fuciformis</i> ) Rusts ( <i>Puccinia spp.</i> )	0.6      0.6	For prevention, begin applications when conditions are favorable for disease development. Do not make two consecutive applications of Tebuconazole 3.6F Fungicide. Alternate with another fungicide with a different mode of action. A second application may be made after 28 days.
Brown Patch/Rhizoctonia Blight, Large Patch	0.6	For prevention, begin applications when conditions are favorable for disease

( <i>Rhizoctonia solani</i> ) Brown Ring Patch ( <i>R. circinata</i> )		development. Do not make two consecutive applications of Tebuconazole 3.6F Fungicide. Alternate with another fungicide with a different mode of action. A second application may be made after 28 days.
Anthrachnose -Basal and Foliar ( <i>Colletotrichum cereale</i> ) Red Thread ( <i>Laetisaria fuciformis</i> ) Pink Patch ( <i>Limonomyces rosipellis</i> )	0.6	
Bermuda Grass decline ( <i>Gaeumannomyces graminis</i> var. <i>graminis</i> )	0.6	Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and root zone of the turf. The amount of water is dependent on the depth of the root zone. For prevention, begin applications two or four weeks prior to the historical appearance of disease symptoms. Initiate cultural control practices at the same time the fungicide is applied. Refer to your local County Extension Service for this information. Apply subsequent applications at 28 day intervals.
Take All Patch ( <i>Gaeumannomyces graminis</i> )	0.6	For prevention, apply in the fall when soil temperature reaches 55-65° F and again in the spring under similar soil temperature conditions. Applications in both fall and spring may be necessary. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and active root zone of the turf. The amount of water is dependent on the depth of the root zone.
Gray Leaf Spot ( <i>Pyricularia grisea</i> )	0.6	Apply when conditions are favorable for disease development at 28 day intervals. Under conditions favoring moderate to heavy disease pressure, Tebuconazole 3.6F can be tank mixed with a registered contact fungicide at the label rate.

Stipe Smut ( <i>Ustilago striiformis</i> )	0.6	Make a single application to historical disease areas in spring as grass growth begins.
Spring Dead Spot ( <i>Leptosphaeria korrea</i> , <i>L. narmari</i> , <i>Ophiosphaerella herpotricha</i> , <i>Gaeumannomyces graminis</i> ) Necrotic Ring Spot ( <i>Leptosphaeria korrea</i> )	0.6	For prevention, apply in fall when soil temperature reach 65 F and again in spring under similar soil temp conditions or after dormancy break. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and active root zone of the turf. The amount of water is dependent on the depth of the root zone.
Fusarium Patch ( <i>Fusarium roseum</i> )	0.6	Apply first application in mid-June or 28 days prior to time this blight normally becomes evident. Make applications at no less than 28 day intervals.
Summer Patch ( <i>Magnaporthe poae</i> )	0.6	Apply beginning in the spring. Do not make two consecutive applications of Tebuconazole 3.6F Fungicide. Alternate with another fungicide with a different mode of action. Second and third applications may be made at 28 day intervals. See local university recommendations for suggested timing. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and active root zone of the turf. The amount of water is dependent on the depth of the root zone.
Zoysia Patch, Large Patch of zoysia ( <i>Rhizoctonia solani</i> )	0.6	Make first application in early fall (mid-September to mid-October) prior to development of disease symptoms. A second application in early spring may be necessary in areas where disease pressure is known to be heavy.
Gray Snow Mold/ Typhula Blight ( <i>Typhula incarnate</i> )  Pink Snow Mold/ <i>Microdochium</i> Patch ( <i>Microdochium nivalis</i> )	0.6	Apply in the fall, before anticipated turf dormancy and before first snow cover. If turf breaks dormancy during winter months a second application may be made. Do not apply over snow cover, or when turf is dormant. It is recommended that Tebuconazole 3.6F be tank-mixed with other registered snow mold products for best season long results.
<b>NOTE:</b> Apply the specified amount of Tebuconazole 3.6F Fungicide in 1.5 to 3.0 gallons of water per 1000 sq. ft. Make all applications after mowing and allow foliage to dry thoroughly		

before irrigation. Do not use clippings for animal feed. Do not exceed 3.6 fl.oz. of Tebuconazole 3.6F Fungicide per 1000 sq. ft. per year. Do not exceed 6 applications per year.

## **DISEASE CONTROL IN FIELD, NURSERY AND CONTAINER ORNAMENTALS AND COMMERCIAL and RESIDENTIAL LANDSCAPES**

### **ORNAMENTAL USE RESTRICTIONS AND PRECAUTIONS**

For use on ornamental plants only; not for woodlands or forest management.

Not for homeowner use.

Do not apply more than 30 fl oz per acre is a single application.

Do not apply more than 0.94 gallons (120 fl oz) of Tebuconazole 3.6F (equal to 3.38 lbs of Tebuconazole) per acre per year.

Do not make more than 4 applications per year at highest rate.

Do not apply to bearing fruit trees or vegetables

Tebuconazole 3.6F can be used in a preventative and curative disease control program for the listed plant types and disease in the table below. Optimum disease management is obtained when Tebuconazole 3.6 F is used in conjunction with sound disease management practices.

Apply material with properly calibrated hand held, mechanical or motorized spray equipment. Begin applications when disease first appears and repeat at 14-21 day intervals during the growing season. Use the shortest interval when conditions are unusually favorable for the development of disease. For hand held, mechanical, or motorized applications, mix as directed below and apply as a full coverage spray to drip for the prevention and control of the diseases listed below. Choose a finished spray volume appropriate for the size of the plants and amount of foliage, which will provide thorough coverage throughout the canopy. Allow sprays to dry before overhead irrigation is applied.

Apply Tebuconazole 3.6F at rates of 4-10 fl oz per acre in 100 gallons of water. Spray volume may range from 50 up to 300 gallons of finished spray per acre depending upon equipment, plant species and plant growth stage at time of application.

**Note:** The "Directions for Use" of this product reflect the cumulative inputs from both historical field use and product testing programs. However, it is impossible to test this product on all species and cultivars. A preliminary trial is suggested on a small scale before a full treatment is applied to any plant type not shown on this label but found in a similar use site with a listed disease problem. Wait 5-7 days after treatment to evaluate results. This product is not recommended for use on African Violets, Begonias, Boston Fern, and Geraniums.



## Ornamentals Disease Control

PLANTS	DISEASE	APPLICATION	
		To Prevent Diseases	To Treat Existing Disease
Roses	Black Spot Powdery Mildew Rust	Apply every 14-21 days during the growing season, starting when leaves first appear.	Apply every 14 days for a total of 3 applications beginning at the first sign of disease.
Flowers	Leaf Spot Powdery Mildew Rust Southern Blight	Apply at least 3 times per year, 14-21 days apart, beginning with Spring bud break. Rotation or Tank mixing with barrier protectant fungicides is recommended for resistance management.	
Crabapples (Ornamental), Dogwoods and Other Landscape (Ornamental) Trees	Anthrachnose Leaf Spot Powdery Mildew Rust Scab		
Azaleas, Camellias, Rhododendrons and Other Landscape (Ornamental) Shrubs	Anthrachnose Black Spot Leaf Spot Petal Blight Powdery Mildew Rust	Petal Blight – Apply 2 – 3 times per week into the flowers as the open and develop color.	
Ground Covers and Vines	Southern Blight		
HOW MUCH TO USE FOR SMALL PLANTINGS: ADD 1 TEASPOON TO 2.5 GALLONS OF WATER.			

### Pump Style Sprayers

1. Add the appropriate amounts of concentrate and water to the sprayer tank.
2. Close the sprayer, shake well and pressurize.
3. Adjust nozzle to a coarse spray pattern and apply.
4. Occasionally re-pressurize the sprayer if needed to maintain a good spray pattern.

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precautions on the EPA registered label on or attached to the pesticide container. This Supplemental Labeling contains revised use instructions and/or restrictions that may be different from those that appear on the container label. This Supplemental Labeling must be in possession of the user at the time of pesticide application. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.