

43402AL0022

# PROPICONAZOLE 1.3 ME T&O Fungicide

*Broad spectrum and systemic disease control  
for turf and ornamentals*

**ACTIVE INGREDIENT:**

Propiconazole: (CAS No. 60207-90-1)..... 14.3%

**OTHER INGREDIENTS\***..... 85.7%**TOTAL**..... 100.0%

PROPICONAZOLE 1.3 ME T&O contains a nominal 1.3 pounds of active ingredient per gallon.  
\*Contains xylene-range aromatic solvent.

## KEEP OUT OF REACH OF CHILDREN CAUTION

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 SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not 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 by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<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>

**NOTE TO PHYSICIAN:** Contains xylene-range aromatic solvent. Vomiting may cause aspiration pneumonia. If ingested, lavage stomach to avoid aspiration. A slurry of activated charcoal in water can be left in the stomach. Give a saline laxative and supportive therapy.

**HOT LINE NUMBER**

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

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

EPA Reg. No. 42750-252

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

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

**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 clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and shrimp. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame. Do not mix or allow 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.

**NOTE:** Do not apply more than 5.4 gallons of PROPICONAZOLE 1.3 ME T&O/A/calendar year.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in the original container in a cool place.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of federal law. If these wastes cannot be used according to label instructions, contact your local State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsates into application equipment or mix tank or store rinsates for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

EPA Est. No. 42750-MO-001

Manufactured by:  
**ALBAUGH, LLC**  
1525 NE 36th Street • Ankeny, Iowa 50021

ACCEPTED  
FOR REGISTRATION

Apr 7, 2016

New York State Department  
of Environmental Conservation  
Division of Materials Management  
Pesticide Product Registration

Doc id: 544878

NET CONTENTS: 2.5 GALLONS

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# PROPICONAZOLE 1.3 ME T&O

## Fungicide

***Broad spectrum and systemic disease control for turf and ornamentals***

### ACTIVE INGREDIENT:

Propiconazole: (CAS No. 60207-90-1) . . . . . 14.3%

OTHER INGREDIENTS\* . . . . . 85.7%

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

PROPICONAZOLE 1.3 ME T&O contains a nominal 1.3 pounds of active ingredient per gallon.

\*Contains xylene-range aromatic solvent.

EPA Reg. No. 42750-252

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### FIRST AID

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### HOT LINE NUMBER

In case of a medical or transport emergency call CHEMTREC toll-free at 1-800-424-9300.  
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**See inside booklet for additional PRECAUTIONARY STATEMENTS  
and complete DIRECTIONS FOR USE.**

Manufactured by:

***ALBAUGH, LLC***

1525 NE 36th Street  
Ankeny, Iowa 50021

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

# CAUTION

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

### 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 *F* on an ERA chemical resistance category selection chart.

**All handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

**In addition, all handlers (mixers, loaders, and applicators, or individuals performing one or more of these tasks), who are applying this pesticide using hand-held equipment must wear:**

- Long-sleeved shirt and long pants
- Shoes and socks
- Chemical-resistant gloves
- Chemical-resistant apron

### USER SAFETY REQUIREMENTS

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 CONTROL STATEMENTS

When handlers use closed systems or enclosed cabs 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:**

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 clothing.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and shrimp. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not mix or allow contact with oxidizing agents. Hazardous chemical reaction may occur.

### CHEMIGATION

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

### 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.

**NOTE:** Do not apply more than 5.4 gallons of PROPICONAZOLE 1.3 ME T&O/A/calendar year.

## 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 24 hours.

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

- Coveralls
- Shoes and socks, and
- Chemical-resistant gloves made of any waterproof material

## NON-AGRICULTURAL USE REQUIREMENTS

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

Do not enter treated areas without protective clothing until sprays have dried.

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL.**

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in the original container in a cool place.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of federal law. If these wastes cannot be used according to label instructions, contact your local State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying.

**Triple rinse as follows:** Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsates into application equipment or mix tank or store rinsates for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## PRODUCT INFORMATION

PROPICONAZOLE 1.3 ME T&O is a systemic fungicide for use on turfgrasses for the control of dollar spot (*Sclerotinia homoeocarpa*), brown patch (*Rhizoctonia solani*), anthracnose (*Colletotrichum graminicola*), red thread (*Laetisaria fuciformis*), pink patch (*Limonomyces roseipellis*), rust (*Puccinia graminis*), powdery mildew (*Erysiphe graminis*), stripe smut (*Ustilago striiformis* and *Urocystis agropyri*), summer patch (*Magnaporthe poae*), necrotic ring spot (*Leptosphaeria korrae*), spring dead spot (*Leptosphaeria korrae*, *Leptosphaeria narmari*, *Ophiophaeella herpotricha*, *Gaeumannomyces graminis*), take-all patch (*Gaeumannomyces graminis*), leaf spot (*Bipolaris* spp., *Drechslera* spp.), gray leafspot (*Pyricularia grisea*), pink snowmold (*Microdochium nivale*), Fusarium patch (*Fusarium nivale*), gray snowmold (*Typhula* spp.), yellow patch (*Rhizoctonia cerealis*), and zoysia patch (*Rhizoctonia solani*).

PROPICONAZOLE 1.3 ME T&O also controls numerous diseases on ornamentals and other landscape and nursery plantings. It controls powdery mildews, rusts, leafspots, scabs, and blights. Refer to the appropriate section for specified diseases and plants.

Do not apply by air.

## SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Wind Speed – do not apply at wind speeds greater than 15 mph.

Droplet Size – Apply as a medium or coarser spray (ASAE Standard 572).

Temperature Inversions – If applying at wind speed less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Other State and Local Requirements – Applicators must follow all state and local pesticide drift requirements regarding application of propiconazole. Where states have more stringent regulations, they must be observed.

Equipment – All application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

## MIXING INSTRUCTIONS

Fill the spray tank 1/2–3/4 full with water. Add the proper amount of PROPICONAZOLE 1.3 ME T&O, and then add the rest of the water. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

If PROPICONAZOLE 1.3 ME T&O is tank mixed with other products, use the following sequence:

1. Always check the compatibility of the tank mix using a jar test with proportionate amounts of PROPICONAZOLE 1.3 ME T&O, other chemicals to be used, and the water, before mixing in the spray tank.
2. Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended.
3. Fill tank at least 1/2 full of clean water.
4. Add wettable powders to the tank first, allowing them to completely suspend in the tank before proceeding. This process can be hastened by pre-mixing the product in water before adding to the tank.
5. Add flowables or suspensions next.
6. Add PROPICONAZOLE 1.3 ME T&O next.
7. Add emulsifiable concentrates last.
8. Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply them the same day.

### Tank Mixes

For broader-spectrum control, PROPICONAZOLE 1.3 ME T&O can be tank mixed with other fungicides. For example, Subdue® may be tank mixed with PROPICONAZOLE 1.3 ME T&O or used alone when conditions are favorable for Pythium blight. PROPICONAZOLE 1.3 ME T&O is also compatible with numerous herbicides and insecticides. Check compatibility before tank mixing. Add Unite® (3 pts./100 gals.) to tank mixes which are incompatible. Follow the directions under Mixing instructions for tank mixes. When tank mixing this product with other pesticides observe the more restrictive label limitations and precautions. No label dosage rates should be exceeded.

This product cannot be mixed with any product containing a label prohibition against such mixing. Do not combine PROPICONAZOLE 1.3 ME T&O in a sprayer tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination to be physically compatible, effective and non-injurious under your conditions of use.

## TURFGRASS AND DICHONDRA DISEASE CONTROL

1. USE PROPICONAZOLE 1.3 ME T&O IN A PREVENTIVE DISEASE CONTROL PROGRAM.
2. Apply in sufficient water to ensure thorough coverage.
3. Apply after mowing OR allow sprayed area to completely dry before mowing.
4. For control of foliar diseases, allow sprayed area to completely dry before irrigation.
5. For control of soil-borne diseases, PROPICONAZOLE 1.3 ME T&O can be watered-in after application.
6. Under conditions optimum for high disease pressure, use the higher rate and the shorter interval.
7. For optimum turf quality and disease control, use PROPICONAZOLE 1.3 ME T&O in conjunction with turf management practices that promote good plant health and optimum disease control.
8. Evaluate spray additives prior to use. Label directions are based on data obtained with no additives.
9. Before use of any fungicide, proper diagnosis of the organism causing the disease is important. Use of diagnostic kits or other means of identification of the disease organism is essential to determine the best control measures.
10. Do not apply more than 16 fl. oz. PROPICONAZOLE 1.3 ME T&O/1,000 sq. ft. per calendar year (5.4 gals. PROPICONAZOLE 1.3 ME T&O/acre per calendar year).

**IMPORTANT:** Bermudagrass can be sensitive to PROPICONAZOLE 1.3 ME T&O. Do not exceed 4 fl. oz. product/1,000 sq. ft. every 30 days on any variety of bermudagrass. In FL, do not apply PROPICONAZOLE 1.3 ME T&O to Bermudagrass golf course greens when temperatures exceed 90°F.

**NOTE:** Do not graze animals on treated areas. Do not feed clippings from treated areas to livestock or poultry.

### Turfgrass – Specific Diseases, Rates, and Application Timing

DISEASE	Fl. Oz. PROPICONAZOLE 1.3 ME T&O Per 1,000 Sq. Ft.	Fl. Oz. PROPICONAZOLE 1.3 ME T&O Per Acre	Application Interval/ Timing	INSTRUCTIONS
Dollar Spot ( <i>Sclerotinia homoeocarpa</i> )	0.5	22	7 days	Apply when conditions are favorable for disease development.
	0.5	22	14 days	Tank mix with low label rate of a chlorothalonil product EPA-registered for use on turfgrass.
	1	44	21–28 days	
	1–2	44–88	14–28 days	If using the 1–2 fl. oz./1,000 sq. ft. rate without tank mixing, make no more than 3 consecutive applications for dollar spot control before rotating to an alternate EPA-registered fungicide having a different mode of action.

(continued)

**Turfgrass – Specific Diseases, Rates, and Application Timing (cont.)**

<b>DISEASE</b>	<b>Fl. Oz. PROPICONAZOLE 1.3 ME T&amp;O Per 1,000 Sq. Ft.</b>	<b>Fl. Oz. PROPICONAZOLE 1.3 ME T&amp;O Per Acre</b>	<b>Application Interval/ Timing</b>	<b>INSTRUCTIONS</b>
Anthraxnose ( <i>Colletotrichum graminicola</i> )	1–2	44–88	14–28 days	Apply when conditions are favorable for disease development. When disease pressure is high, use higher rates of PROPICONAZOLE 1.3 ME T&O and shorter intervals. For broad-spectrum control, tank mix with a registered contact fungicide at the label rate.  If disease is present, mix 2 fl. oz. of PROPICONAZOLE 1.3 ME T&O per 1,000 sq. ft. with the label rate of the above-mentioned contact fungicides.
Brown Patch ( <i>Rhizoctonia solani</i> )	1–2	44–88	14–21 days	Begin applications in May or June before disease is present. Tank mix with a registered contact fungicide labeled for brown patch control at the label rate.  Under conditions of high temperatures and high humidity, use the higher rates of PROPICONAZOLE 1.3 ME T&O and shorter intervals.
Powdery Mildew ( <i>Erysiphe graminis</i> ) Rust ( <i>Puccinia graminis</i> )	1–2	44–88	14–28 days	Apply when conditions are favorable for disease development. If disease is present, use 2 fl. oz. of PROPICONAZOLE 1.3 ME T&O per 1,000 sq. ft.
Red Thread ( <i>Laetisaria fuciformis</i> ) Pink Patch ( <i>Limonomyces roseipellis</i> )	2	88	14–21 days	Apply when conditions are favorable for disease development.
Stripe Smut ( <i>Ustilago striiformis</i> ) ( <i>Urocystis agropyri</i> )	1–2	44–88	Fall or Spring	Apply once in the fall after grass becomes dormant or in the early spring before grass starts to grow.
Gray Leafspot ( <i>Pyricularia grisea</i> )	1–2	44–88	14 days	Apply when conditions are favorable for disease development. If using the 1 fl. oz./1,000 sq. ft. rate, tank mix with a registered contact fungicide at the label rate.
Melting Out Leaf Spot ( <i>Bipolaris</i> spp.) ( <i>Drechslera</i> spp.)	1–2	44–176	14 days	Under light to moderate pressure, apply PROPICONAZOLE 1.3 ME T&O to reduce the severity of leaf spot and melting out caused by Helminthosporium-type pathogens.  For broad-spectrum disease control tank mix the 1–4 fl. oz./1,000 sq. ft. PROPICONAZOLE 1.3 ME T&O rate with a registered contact fungicide at the label rate.
Summer Patch Poa Patch ( <i>Magnaporthe poae</i> )	2 4	88 176	14 days 28 days	Apply PROPICONAZOLE 1.3 ME T&O beginning in April. Use the 4 fl. oz./1,000 sq. ft. rate on a 28-day schedule and the 2 fl. oz./1,000 sq. ft. rate on a 14-day schedule.
Take-All Patch ( <i>Gaeumannomyces graminis</i> )	2–4	88–176	Spring and Fall	Apply PROPICONAZOLE 1.3 ME T&O to reduce the severity of take-all patch. Make 1–2 fall applications in September and October or when night temperatures drop to 55°F, and 1–2 spring applications in April and May, depending on local recommendations.

(continued)

**Turfgrass – Specific Diseases, Rates, and Application Timing (cont.)**

DISEASE	Fl. Oz. PROPICONAZOLE 1.3 ME T&O Per 1,000 Sq. Ft.	Fl. Oz. PROPICONAZOLE 1.3 ME T&O Per Acre	Application Interval/ Timing	INSTRUCTIONS
Spring Dead Spot ( <i>Leptosphaeria korrae</i> , <i>Leptosphaeria narmari</i> , <i>Ophiosphaerella herpotricha</i> , <i>Gaeumannomyces graminis</i> )	4	176	30 days	Make 1–3 applications. For one application, apply in September or October. For multiple applications, begin sprays in August.
Necrotic Ring Spot ( <i>Leptosphaeria korrae</i> )	4	176	Fall or Spring	Apply in the fall and/or the early spring depending on local recommendations.
Snowmold Gray ( <i>Typhula</i> spp.) Pink ( <i>Microdochium nivale</i> )	2–4	88–176	Late Fall	Apply one application in the late fall before snow cover. Do not apply on top of snow. For optimum disease control, the 2 and 3 fl. oz. PROPICONAZOLE 1.3 ME T&O rates should be tank mixed with chlorothalonil at label rates.
Fusarium patch ( <i>Fusarium nivale</i> )	2–4	88–176	Fall–Early Spring	Apply when conditions are favorable for disease development.
Yellow patch ( <i>Rhizoctonia cerealis</i> )	3–4	130–176	Late Fall	Apply one application in the late fall before snow cover. Do not apply on top of snow. If using a 3 fl. oz. /1,000 sq. ft. rate, tank mix with a registered contract fungicide at the label rate.
Zoysia patch large patch of zoysia ( <i>Rhizoctonia solani</i> )	3–4	130–176	Early Fall	Make one application in the early fall (mid-September to mid-October) prior to development of disease symptoms. Consult local turfgrass extension experts to determine the optimum application timing for your area.
Dichondra Rust ( <i>Puccinia dichondrae</i> )	2	88	14–21 days	Apply when conditions are favorable for disease development.

**ESTABLISHMENT OF COOL-SEASON TURFGRASS**

PROPICONAZOLE 1.3 ME T&O provides control of many diseases of turf, and its primary use is as a fungicide for use against the diseases listed on this label. As an additional benefit, PROPICONAZOLE 1.3 ME T&O will improve the rate of establishment when it is applied to cool-season grass seedlings or sod.

**New Seedlings:** Apply 1 fl. oz./1,000 sq. ft. at the 2- to 3-leaf stage of growth for faster root development and top growth.

**Sod:** Apply 1 fl. oz./1,000 sq. ft. 2–6 weeks before cutting for increased sod knitting and faster establishment after laying.

**DISEASE CONTROL IN NURSERIES (FIELD) AND LANDSCAPE PLANTINGS**

USE PROPICONAZOLE 1.3 ME T&O IN A PREVENTIVE DISEASE CONTROL PROGRAM. To determine the use directions for controlling a disease on an ornamental plant species, select the plant species in **Table 1**. The number in parentheses following the plant species refers you to the disease(s) controlled in **Table 2**. Find the disease in **Table 2**. The letter in brackets following the disease refers you to the application regime in **Table 3**.

Allow spray to dry before overhead irrigation is applied.

Optimum benefit of PROPICONAZOLE 1.3 ME T&O is obtained when used in conjunction with sound disease management practices.

**SPRAY APPLICATION INSTRUCTIONS**

PROPICONAZOLE 1.3 ME T&O may be used at rates of 2–24 fl. oz. product/100 gals. water for control of diseases of ornamental plant species (see **Tables 1, 2, and 3**).

**NOTE:** For outdoor uses, you can apply up to 5.4 gallons of PROPICONAZOLE 1.3 ME T&O/acre/crop/calendar year.

For general disease control in landscapes, apply 6–8 fl. oz. product/100 gals. water every 21 days. For best control, begin PROPICONAZOLE 1.3 ME T&O applications before disease development.

(continued)

**NOTE:** The specific genera and species of plants listed under the **Directions for Use** have been shown to tolerate applications of PROPICONAZOLE 1.3 ME T&O. In addition, the following ornamental plants have been shown to tolerate PROPICONAZOLE 1.3 ME T&O (at a rate of 6–8 fl. oz./100 gals.): ajuga, Bartlett pear, bayberry, camellia, candy tuft, cotoneaster, elm, English ivy, euonymus, German statice, holly, hollyhock, impatiens, linden, liriopse, magnolia, maples, peony, privet, raphiolepis, redbud, sweetgum, sycamore, tulip tree, vinca, and wax myrtle. Other plant species may be sensitive to PROPICONAZOLE 1.3 ME T&O and diseases other than those listed may not be controlled. Before using PROPICONAZOLE 1.3 ME T&O on plants or for diseases that are not listed in the Directions for Use, test PROPICONAZOLE 1.3 ME T&O on a small-scale basis first. Do not apply PROPICONAZOLE 1.3 ME T&O to African violets, begonias, Boston fern, or geraniums. Apply the recommended rates for a particular type of disease (i.e., rust, powdery mildew, etc.), and evaluate for phytotoxicity and disease control prior to widespread use.

### Table 1. Ornamentals – Plant Species

Numbers in parentheses refer to diseases controlled. See Table 2.

Herbaceous Ornamental	Woody Ornamental	Non-bearing Fruits and Nuts (Nurseries and Landscape Planting)
Calendula (4a) Carnation (5f) Chrysanthemum (2a) Delphinium (4a) Gomphrena (3a) Iris (5d) Marigold (3a) Monarda (4c) Phlox (4c) Snapdragon (5d) Sweet William (3k) <i>(Dianthus barbatus)</i> Zinnia (4c)	Amelanchier (4d) Ash (4c) Azalea (2c, 4b) Crabapple (3c, 3q, 4c, 5a) Crape Myrtle (4a) Dogwood (3h, 4c) Douglas Fir (5b) Hawthorn (5a) Juniper (1a) Lilac (4c) Oaks (3p) Pines (1b, 1c) Poplars (5b) Pyracantha (3o) Red Tip Photinia (3i) Rhododendron (2c, 3n) Roses (3g, 4e, 5c) (Outdoor Use Only) Shasta Fir (5e)	Apple (3q, 4d, 5a) Cherry (2b, 3d) Citrus (3m) Nectarine (2b) Peach (2b) Pecan (3b, 3c, 3f, 3l, 3n, 4e) Plum (2b) Walnut (3j)

### Table 2. Diseases

Letters in brackets refer to application regimes. See Table 3.

- Conifer Blights
  - Phomopsis juniperovora* (Phomopsis Blight) [B]
  - Sirococcus strobilinus* (Tip Blight) [D]
  - Sphaeropsis sapinea* (Diplodia Tip Blight) [B]
- Flower Blight
  - Ascochyta chrysanthemi* (Ray Blight) [C]
  - Morhlinia* spp. [A]
  - Ovulinia* spp. [B]
- Leaf Blights/Spots
  - Alternaria* spp. [B]
  - Cercospora* spp. (Brown Leaf Spot) [C]
  - Cladosporium* spp. (Scab) [C]
  - Coccomyces hiemalis* [A]
  - Collectotrichum* spp. [B]
  - Cristulariella* spp. (Zonate leafspot) [C]
  - Diplocarpon rosae* (Blackspot) [B]
  - Discula* spp. (Anthracnose) [A]
  - Fabraea maculate* (syn. *Entomosporium maculate*) [B]
  - Gnomonia leptostyla* (Anthracnose) [C]
  - Heterosporium echinulatum* [B]
  - Mycosphaerella caryigena* (Downy Spot) [C]
  - Mycosphaerella fructicola* (Greasy Spot) [E]
  - Septoria* spp. (Leaf Scorch) [C]
  - Spilocaea pyracanthae* [B]
  - Tubakia dryina* [D]
  - Venturia inaequalis* (Scab) [A]
  - Rhizoctonia Web Blight [B]\*
- Powdery Mildew
  - Erysiphe* spp. [B]
  - Microsphaera* spp. [C]
  - Oidium* spp. [B]
  - Podosphaera* spp. [B]
  - Sphaerotheca pannosa* [B]
  - Phyllactinia* spp. [B]\*
- Rust
  - Gymnosporangium juniperi-virginianae* [A]
  - Melampsora occidentalis* [D]
  - Phragmidium* spp. [B]
  - Puccinia* spp. [B]
  - Pucciniastrum goeppertianum* [D]
  - Uromyces dianthi* [B]

\*Not registered for use in California



**Table 3. – Application Regimes**

- [A] Mix 2–4 fl. oz. of PROPICONAZOLE 1.3 ME T&O in 100 gals. of water and apply as a full-coverage spray to the point of drip. Apply every 14–21 days during the period of primary infection. If disease is present, tank mix with an EPA-registered contact fungicide. For flower blight, apply PROPICONAZOLE 1.3 ME T&O when there is 5–10% bloom and again at 70–100% bloom. For dogwoods, apply the 2–4 fl. oz. rate every 14 days, or apply 8 fl. oz. of PROPICONAZOLE 1.3 ME T&O every 28 days.
- [B] Mix 5–8 fl. oz. of PROPICONAZOLE 1.3 ME T&O in 100 gals. of water and apply as a full-coverage spray to the point of drip. Apply as needed, beginning when conditions are favorable for disease development. For blackspot, apply with a registered contact fungicide labeled for blackspot. For Calendula, apply every 30 days. For diploдия tip blight, make 3 applications every 14 days prior to major period of infection. For juniper phomopsis blight, make first application as soon as junipers start to grow, and repeat the applications every 14–21 days during periods of active growth.
- [C] Mix 8–12 fl. oz. of PROPICONAZOLE 1.3 ME T&O in 100 gals. of water and apply as a full-coverage spray to the point of drip. Apply every 30 days, beginning when conditions are favorable for disease development. For pecans, apply the 12 fl. oz. rate beginning at bud break. Apply 3 times on 14-day intervals. For walnuts, apply 8.5 fl. oz. at 14- to 21-day intervals. For ray blight, apply 12 fl. oz. at 7-day intervals or 20 fl. oz. at 14-day intervals.
- [D] Mix 16 fl. oz. of PROPICONAZOLE 1.3 ME T&O in 100 gals. of water and apply as a full-coverage spray to the point of drip. Apply every 14–28 days, beginning when conditions are favorable for disease development. For Douglas fir needle rust, apply once in May. For tip blight, initial application is in mid-late winter, and apply 3 times at 2-month intervals.
- [E] Mix 20–24 fl. oz. of PROPICONAZOLE 1.3 ME T&O in 100 gals. of water and apply as a full-coverage spray to the point of drip. Apply during June to August time period.

**NOTE:** To avoid possible illegal residues, do not apply to apple, cherry, citrus, nectarine, peach, pecan, plum, or walnut trees that will bear harvestable fruit within 12 months.

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PATTERN VARNISH: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		

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