



Tebuconazole 4L

For control of specified diseases on various crops, golf course turf and field, nursery and container ornamentals in commercial landscapes*.

* Not for residential use

ACTIVE INGREDIENT:	% By Wt.
Tebuconazole, alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol39.5%
OTHER INGREDIENTS60.5%
TOTAL	100.0%

Contains 3.6 pounds tebuconazole per gallon.

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	
IF SWALLOWED	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth- to-mouth, if possible. • Call a poison control center or doctor for treatment advice."
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes. • Call a poison control center or doctor for treatment advice.
<p>HOTLINE NUMBERS Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For 24-Hour Medical Emergency Assistance (Human or Animal), call: 1-800-222-1222. For Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), call CHEMTREC: 1-800-424-9300.</p>	
<p>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 eyes may cause irritation.</p>	

See label booklet for complete Precautionary Statements, Directions for Use, and Storage and Disposal.

Manufactured For:
RedEagle International, LLC
5143 S. Lakeland Drive Suite 4
Lakeland, FL 33813

EPA Reg. No. 85678-73

Net Contents: 2.5 Gallons

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor or spray mist. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, barrier laminate, or butyl rubber ≥ 14 mils or nitrile rubber ≥ 14 mils or neoprene rubber ≥ 14 mils or polyvinyl chloride ≥ 14 mils or Viton ≥ 14 mils
- 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.

USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to mammals, fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

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

Surface Water Advisory: Tebuconazole 4L may contaminate water through drift of spray in wind. **Tebuconazole 4L** 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 **Tebuconazole 4L** will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow coming in contact with oxidizing agent. 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.

Restrictions:

- Aerial application is prohibited in New York State.
- Not for Residential Use

AGRICULTURAL USE REQUIREMENTS

Use this product 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). 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:

- Coveralls
- Chemical-resistant gloves, barrier laminate, or butyl rubber ≥ 14 mils or nitrile rubber ≥ 14 mils or neoprene rubber ≥ 14 mils or polyvinyl chloride ≥ 14 mils or Viton ≥ 14 mils
- 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.

Golf Course Turf and Landscape Uses: Keep children and pets out of treated areas until sprays have dried.

USE INFORMATION FOR AGRICULTURAL USES*

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

- Apply only during alternate years in fields adjacent to aquatic areas listed above.
- Do not apply by ground or air within 100 feet of aquatic areas listed above.
- Do not cultivate within 10 feet of an aquatic area to allow growth of a vegetative filter strip.
- *Agricultural Uses not registered for sale or use in the state of Arizona.

Spray Drift Management

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

Use the largest droplet size consistent with pest control. 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. Apply in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment.

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

Make aerial or ground applications when wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area. Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Spray Volume

Tebuconazole 4L may be applied in a minimum of 10 gallons of spray solution per acre by ground sprayer or in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment. Check equipment calibration frequently. Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied. If necessary, increase the spray volume per acre for complete crop coverage.

Chemigation

Apply **Tebuconazole 4L** through irrigation equipment only to crops and diseases for which the chemigation use is specified. Apply **Tebuconazole 4L** only through center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move; or drip (trickle) irrigation systems. Do not apply **Tebuconazole 4L** through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label- prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. Pesticide may be applied continuously for the duration of the water application.

Mixing

Add labeled amount of **Tebuconazole 4L** into the spray tank while filling with water to the desired level. Operate the agitator while mixing. If other materials are added to the spray tank, the **Tebuconazole 4L** must be thoroughly dispersed prior to the addition of other materials. Do not tank mix with products containing a prohibition against tank mixing. 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.

Compatibility

To determine the compatibility of **Tebuconazole 4L** with other products, the following procedure must be followed: Pour the specified proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least 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 RedEagle International LLC representative.

Resistance Management Statement

For resistance management, **Tebuconazole 4L** contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to **Tebuconazole 4L** and other Group 3 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of **Tebuconazole 4L** or other Group 3 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact RedEagle International LLC. You can also contact your pesticide distributor or university extension specialist to report resistance.

Rotational Crop Restrictions

Treated areas may be replanted with any crop specified on this label as soon as practical after last application. Any crop not specified on this label may be planted into treated areas 120 days after last application.

DISEASE CONTROL IN CROPS

Asparagus

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Rust (<i>Puccinia</i> spp.)	4 – 6 (0.11 – 0.17 lb. a.i./A)
Application Directions: Apply Tebuconazole 4L as a foliar spray to the developing ferns after harvest of spears is completed. Apply at the earliest sign of rust pustules or when weather conditions are conducive for rust development. Apply 4 to 6 fl. oz. of Tebuconazole 4L per acre (0.11 - 0.17 lb. a.i./A) in alternation with another effective fungicide. Under conditions of severe rust pressure, use the higher listed rate. Repeat applications on a 14-day interval as necessary to maintain control of rust. Applications may be made using ground or aerial application equipment. A 50 foot spray drift buffer zone is required for all aerial applications. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank mixed with Tebuconazole 4L .	
Resistance Management: Tebuconazole 4L is a sterol demethylation inhibitor (DMI) fungicide (Group 3). Alternating Tebuconazole 4L with other DMI fungicides may lead to resistance.	
Restrictions: <ul style="list-style-type: none">• Do not make more than 3 foliar applications per season (18 fl. oz./A or 0.51 lb. a.i./A).• Pre-harvest interval (PHI) = 100 days (California) & 180 days (All other states)• Restricted-entry interval (REI) = 12 hours• Do not apply to harvestable spears.	

Barley

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Head blight (<i>Fusarium</i> spp.) – Suppression Rusts (<i>Puccinia</i> spp.)	4 (0.11 lb. a.i./A)

Application Directions:

Apply **Tebuconazole 4L** in a minimum of 10 gals. of spray solution per acre by ground or in a minimum of 5 gals. of spray solution per acre by air. Barley fields must be observed closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development. For optimum disease control, the lowest specified rate of a spray surfactant should be tank mixed with **Tebuconazole 4L**. **Tebuconazole 4L** must have 2 to 4 hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, **Tebuconazole 4L** will be resistant to weathering.

Timing Directions:

- **Rusts:** Apply **Tebuconazole 4L** at the earliest sign of rust pustules on foliage.
- **Fusarium Head Blight:** Optimal timing of **Tebuconazole 4L** for Fusarium head blight suppression is when main stem heads have fully emerged (Feekes 10.5) on 50% of the plants.

Resistance Management:

Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3).

Restrictions:

- Do not apply more than 4 fl. oz. of **Tebuconazole 4L** (0.11 lb. a.i./A) per acre per crop season.
- Pre-harvest interval (PHI) = 30 days
- Restricted-entry interval (REI) = 12 hours
- Grazing livestock or feeding of green forage is permitted 6 or more days after the last application of **Tebuconazole 4L**. Straw cut after harvest may be fed or used for bedding.

Beans

Fresh & Dry except Succulent Shelled

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Rust (<i>Uromyces appendiculatus</i>)	4 – 6 (0.11 – 0.17 lb. a.i./A)

Application Directions:

Apply **Tebuconazole 4L** in a protective spray schedule or when weather conditions are favorable for rust development. Repeat applications at 14-day intervals, or as necessary to maintain control. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank mixed with **Tebuconazole 4L**. **Tebuconazole 4L** must have 2 to 4 hours of drying time on bean foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, **Tebuconazole 4L** will be resistant to weathering.

Resistance Management:

Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3).

Restrictions:

- **Beans, Fresh:**
 - Do not apply more than 24 fl. oz. of **Tebuconazole 4L** (0.675 lb. a.i./A) per acre per crop season.
 - Pre-harvest interval (PHI) = 7 days
- **Beans, Dry:**
 - Do not apply more than 12 fl. oz. of **Tebuconazole 4L** (0.338 lb. a.i./A) per acre per crop season.
 - Pre-harvest interval (PHI) = 14 days
- Restricted-entry interval (REI) = 12 hours

Corn*

Sweet Corn, Field Corn, Field Corn Grown For Seed, and Popcorn

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Gray leaf spot (<i>Cercospora zea-maydis</i>) Northern leaf blight (<i>Helminthosporium turcicum</i>) Northern leaf spot (<i>Helminthosporium carbonum</i>) Rust (<i>Puccinia</i> spp.) Southern leaf blight (<i>Helminthosporium maydis</i>)	4 – 6 (0.11 – 0.17 lb. a.i./A)

Application Directions:

Apply **Tebuconazole 4L** in a protective spray schedule or when weather conditions are favorable for disease development. Repeat applications at 7- to 14-day intervals, or as necessary to maintain control. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank mixed with **Tebuconazole 4L**. **Tebuconazole 4L** must have 2 to 4 hours of drying time on corn foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, **Tebuconazole 4L** will be resistant to weathering.

Resistance Management:

Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3).

Restrictions:

- Do not apply more than 24 fl. oz. (1.5 pts.) of **Tebuconazole 4L** (0.675 lb. a.i./A) per acre per crop season.
- **Sweet Corn:**
 - Pre-harvest interval (PHI) = 7 days (ears or forage) & 49 days (fodder)
 - Restricted-entry interval (REI) for sweet corn = 19 days
- **Field, Seed, or Popcorn:**
 - Pre-harvest interval (PHI) = 21 days (forage) & 36 days (grain or fodder)
 - Restricted-entry interval (REI) for all corn except sweet corn = 12 hours
- *Use on Corn Prohibited in New York State

Corn* - Seed Treatment

Sweet Corn, Field Corn, Field Corn Grown For Seed, and Popcorn

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Cwt.)
Soilborne and Seedborne fusarium	0.071 (0.002 lb. a.i./Cwt.)
Soilborne and Seedborne head smut (<i>Sphacelotheca reiliana</i>)	0.27 - 0.54 (0.008 – 0.0015 lb. a.i./Cwt.)

Application Directions:

Apply as a seed treatment using standard slurry or mist-type seed treatment equipment. Uniform application of seed is necessary to ensure seed safety and best disease protection. Seed must be sound and well cured prior to treatment. Product must be diluted with sufficient water to ensure complete seed coverage. Consult a seed treatment specialist regarding specified slurry rates for crops to be treated with **Tebuconazole 4L**. The length of control will vary depending on the rate used.

Seed Container Label Requirements:

The Federal Seed Act requires that containers containing treated seeds shall be labeled with the following statements:

This seed has been treated with **Tebuconazole 4L**, a fungicide containing tebuconazole.

Do not use treated seed for feed, food or oil purposes.

The U.S. Environmental Protection Agency requires the following statements on containers containing seed treated with tebuconazole:

- Store treated seed away from food and feedstuffs.
- Do not allow children, pets or livestock to have access to treated seeds.
- Wear long pants, long-sleeved shirt and protective gloves when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting.
- Dispose of all excess treated seed by burying seed away from bodies of water.
- Do not contaminate bodies of water when disposing of planting equipment wash water.
- Dispose of seed packaging or containers in accordance with local requirements.
- Excess treated seed may be used for ethanol production if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.

Restrictions:

- Seed treated with this product must be visually identifiable from untreated seed by the use of an approved colorant or dye to prevent accidental use of treated seed as food for humans or feed for animals. Refer to 21 CFR, Part 2.25. Any colorant or dye added to treated seed must be cleared for use in accordance with 40 CFR, Part 153.155(c).
- *Use on Corn Prohibited in New York State

Cotton

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Southwestern cotton rust (<i>Puccinia cacabata</i>)	6 – 8 (0.17 – 0.23 lb. a.i./A)

Application Directions:

Apply **Tebuconazole 4L** in a protective spray schedule or when weather conditions are favorable for rust development. Repeat applications at 7- to 14-day intervals, or as necessary to maintain control. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank mixed with **Tebuconazole 4L**. **Tebuconazole 4L** must have 2 to 4 hours of drying time on cotton foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, **Tebuconazole 4L** will be resistant to weathering.

Resistance Management:

Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3).

Restrictions:

- Do not apply more than 24 fl. oz. of **Tebuconazole 4L** (0.675 lb. a.i./A) per acre per crop season.
- Pre-harvest interval (PHI) = 30 days
- Restricted-entry interval (REI) = 12 hours

Cucurbit Vegetables Group

Chayote, Chinese waxgourd, Citron melon, Cucumber, Gherkin, Edible gourd (hyotan, cucuzza, hechima, and Chinese okra), Momordica spp. (balsam apple, balsam pear, bitter melon, and Chinese cucumber), Muskmelon (cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon), Pumpkin, Summer squash (crookneck squash, scallop squash, straightneck squash, vegetable marrow and zucchini), Winter squash (butternut squash, calabaza, hubbard squash, acorn squash, and spaghetti squash) and Watermelon

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Powdery mildew (<i>Sphaerotheca fuliginea</i> / <i>Podospaera xanthii</i>) (<i>Erysiphe cichoracearum</i>)	4 – 6 (0.11 – 0.17 lb. a.i./A)
Gummy stem blight – Suppression (<i>Didymella bryoniae</i>) ¹	8 (0.23 lb. a.i./A)

Application Directions:

Apply the specified dosage in a protective spray schedule to foliage and fruit. Repeat applications at 10- to 14-day intervals. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank mixed with **Tebuconazole 4L**. **Tebuconazole 4L** must have 2 to 4 hours of drying time for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, **Tebuconazole 4L** will be resistant to weathering.

Resistance Management:

Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3).

Restrictions:

- Do not apply more than 24 fl. oz. of **Tebuconazole 4L** (0.675 lb. a.i./A) per acre per crop season.
- Pre-harvest interval (PHI) = 7 days
- Restricted-entry interval (REI) = 12 hours
- ¹ Watermelon, squash, pumpkin, and melons only.

Dry Bulb Onion, Garlic, Great-Headed (Elephant) Garlic, Shallot, and Welch Onion

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
White rot (<i>Sclerotium cepivorum</i>)	20.5 (0.58 lb. a.i./A) (applied in a 4" to 6" band over/into each furrow).
Purple blotch (<i>Alternaria porri</i>) Rust (<i>Puccinia allii</i> , <i>Puccinia porri</i>)	4 – 6 (0.11 – 0.17 lb. a.i./A)

Application Directions:

- **White Rot:** For the control of white rot, make 1 application in the furrow at the time of planting. The in-furrow application must be made at the rate of 20.5 fl. oz. **Tebuconazole 4L** per acre. Apply the entire per acre rate in a 4" to 6" band over/into each furrow. Additional control may be obtained by including 2 foliar applications at 4 to 6 fl. oz. per acre. May be applied by chemigation to control white rot.
- **Rust:** For the control of rust, make foliar applications at the rate of 4 to 6 fl. oz. **Tebuconazole 4L** per acre per application. Repeat at an interval of 10 to 14 days. Apply **Tebuconazole 4L** in a protective spray schedule or when weather conditions are favorable for rust development.

For optimum results, use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. The lowest specified rate of a spray surfactant should be tank mixed with **Tebuconazole 4L**. **Tebuconazole 4L** must have 2 to 4 hours of drying time on foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, **Tebuconazole 4L** will be resistant to weathering.

Resistance Management:

Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3).

Restrictions:

- Do not apply more than 32.5 fl. oz. **Tebuconazole 4L** (0.91 lb. a.i./A) per acre per season if an in-furrow treatment is made. If **Tebuconazole 4L** is not applied as an in-furrow treatment, then do not apply more than 12 fl. oz. **Tebuconazole 4L** (0.34 lb. a.i./A) per acre per season as a foliar spray.
- Pre-harvest interval (PHI) = 7 days
- Restricted-entry interval (REI) = 12 hours

Fruiting Vegetables Group (except Okra)

African eggplant, Bush tomato, Bell pepper, Cocona, Currant tomato, Eggplant, Garden huckleberry, Goji berry, Groundcherry, Martynai, Naranjilla, Non-bell pepper, Pea eggplant, Pepino, Roselle, Scarlet eggplant, Sunberry, Tomatillo, Tomato, Tree tomato, and Cultivars, varieties, and/or hybrids of these

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Early blight (<i>Alternaria solani</i>)	8 (0.23 lb. a.i./A)
Application Directions: Apply Tebuconazole 4L as a foliar spray using an interval of 7 days. For optimum results, use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. The lowest specified rate of a spray surfactant may be tank mixed with Tebuconazole 4L . Tebuconazole 4L must have 2 to 4 hours of drying time on foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Tebuconazole 4L will be resistant to weathering.	
Resistance Management: Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3).	
Restrictions: <ul style="list-style-type: none">• Do not apply more than 48 fl. oz. of Tebuconazole 4L (1.35 lb. a.i./A) per acre per season.• Pre-harvest interval (PHI) = 7 days• Restricted-entry interval (REI) = 12 hours	

Garden Beet Roots and Tops (Leaves)

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Cercospora leaf spot (<i>Cercospora beticola</i>)	3 - 7.2 (0.084 – 0.203 lb. a.i./A)
Application Directions: Make applications on a 14-day interval. For optimum results, use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. The lowest specified rate of a spray surfactant may be tank mixed with Tebuconazole 4L . Tebuconazole 4L must have 2 to 4 hours of drying time on foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Tebuconazole 4L will be resistant to weathering.	
Resistance Management: Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3).	
Restrictions: <ul style="list-style-type: none">• Do not apply more than 28.8 fl. oz. Tebuconazole 4L (0.81 lb. a.i./A) per acre per season.• Pre-harvest interval (PHI) = 7 days• Restricted-entry interval (REI) = 12 hours	

Grapes

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Black rot Powdery mildew	4

Application Directions:
Apply the specified rate in sufficient water for thorough coverage of vines and fruit. Increase spray volume as vine growth increases.

- **Black Rot:**
 - **Preventative Schedule:** Make the first application at 1" - 3" of new shoot growth and continue at 7- to 14-day intervals through 50 Brix stage or until veraison (berry coloring) is complete. Apply at 1" 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" new shoot growth through 50 Brix stage. Apply within 72 hours after the beginning of an infection period. Do not make **Tebuconazole 4L** applications closer than 7 days apart. Continue making **Tebuconazole 4L** applications using the preventative schedule if the post- infection schedule is discontinued.
 - **Botrytis: Tebuconazole 4L**, applied in a powdery mildew spray schedule, will enhance the activity of registered fungicides used for control of botrytis bunch rot. Make applications on a 14-day schedule for suppression of Botrytis.
- **Powdery Mildew:** Apply specified rate of **Tebuconazole 4L** on a preventative spray schedule. Make the first application of **Tebuconazole 4L** 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.

Resistance Management:
Tebuconazole 4L 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. Do not tank mix **Tebuconazole 4L** with other DMI fungicides.

Restrictions:

- Do not apply more than 32 fl. oz. (2 pts.) **Tebuconazole 4L** (0.90 lb. a.i./A) per acre per crop season.
- Pre-harvest interval (PHI) = 14 days
- The minimum interval between applications is 7 days.
- Restricted-entry interval (REI) = 12 hours

Grasses Grown For Seed

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Powdery mildew Rust (<i>Puccinia</i> spp.)	4 – 8 (0.11 – 0.23 lb. a.i./A)

Application Directions:
Apply the specified rate in a minimum of 20 gals. of water per acre with ground sprayers or in a minimum of 10 gals. of water per acre with aircraft. Thorough coverage is important for optimum disease control. For optimum benefit, the lowest specified rate of a spray surfactant should be tank mixed with **Tebuconazole 4L**.

- **Rust:** Apply the specified rate of **Tebuconazole 4L** as soon as weather conditions are favorable for rust development or when first rust pustules are present. Repeat applications at 14- to 16-day intervals. Under heavy disease pressure, use 6 to 8 fl. oz. per acre and shorter spray intervals.
- **Powdery Mildew:** Apply specified rate of **Tebuconazole 4L** when powdery mildew first appears on the leaves. Repeat applications at 14- to 16-day intervals. Under heavy disease pressure, use 6 to 8 fl. oz. per acre and shorter spray intervals.

Restrictions:

- Do not apply more than 16 fl. oz. (1 pt.) **Tebuconazole 4L** (0.45 lb. a.i./A) per acre per crop season.
- Pre-harvest interval (PHI) = 4 days
- Restricted-entry interval (REI) = 12 hours
- Chaff, screenings and straw from treated areas may be used for feed purposes; however, do not forage, cut green crop, or use seed for feed purposes. Regrowth may be grazed starting 17 days after last application.

Hops

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Powdery mildew (<i>Sphaerotheca humuli/Sphaerotheca macularis</i>)	4 – 8 (0.11 – 0.23 lb. a.i./A)
Application Directions: Apply the specified dosage in a protective spray schedule to foliage. Repeat applications at 10- to 14-day intervals. Increase the spray volume and the application rate as vine growth increases during the season. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank mixed with Tebuconazole 4L . Tebuconazole 4L must have 2 to 4 hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Tebuconazole 4L will be resistant to weathering.	
Resistance Management: Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3).	
Restrictions: <ul style="list-style-type: none">Do not apply more than 32 fl. oz. of Tebuconazole 4L (0.90 lb. a.i./A) per acre per crop season.Pre-harvest interval (PHI) = 14 daysRestricted-entry interval (REI) = 12 hours	

Leafy Brassica Greens

Broccoli raab, Chinese cabbage (bok choy), Collards, Kale, Mizuna, Mustard greens, Mustard spinach, Rape greens, and Turnip greens¹

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Alternaria leaf spot (<i>Alternaria brassicicola</i>) Cercospora leaf spot (<i>Cercospora brassicicola</i>) Powdery mildew (<i>Erysiphe cruciferarum</i>)	3 – 4 (0.08 – 0.11 lb. a.i./A)
Application Directions: For optimum results, use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. The lowest specified rate of a spray surfactant should be tank mixed with Tebuconazole 4L . Tebuconazole 4L must have 2 to 4 hours of drying time on foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Tebuconazole 4L will be resistant to weathering.	
Resistance Management: Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3).	
Restrictions: <ul style="list-style-type: none">Do not apply more than 16 fl. oz. Tebuconazole 4L (0.45 lb. a.i./A) per acre per season.Pre-harvest interval (PHI) = 7 daysDo not apply more often than once every 10 days.Restricted-entry interval (REI) = 12 hours¹Application to turnip greens is limited to East of the Rockies.	

Lychee

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Anthraxnose (<i>Colletotrichum gloeosporioides</i>)	4 – 6 (0.11 – 0.17 lb. a.i./A)
Application Directions: Begin first application of Tebuconazole 4L as panicle emerges. Spray up to 6 fl. oz. per acre every 10 days thereafter for a total of 8 sprays. Apply specified dosage in a minimum of 50 gals. of spray solution per acre by ground only. For optimum disease control, the lowest labeled rate of a non-ionic spray surfactant should be tank mixed with Tebuconazole 4L . Tebuconazole 4L must have 2 to 4 hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Tebuconazole 4L will be resistant to weathering.	
Resistance Management: Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3).	
Restrictions: <ul style="list-style-type: none">• Do not apply more than 48 fl. oz. of Tebuconazole 4L (1.35 lb. a.i./A) per acre per season.• Pre-harvest interval (PHI) = 0 days• Restricted-entry interval (REI) = 2 days	

Okra

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Cercospora leaf spot (<i>Cercospora spp.</i>)	4 – 6 (0.11 – 0.17 lb. a.i./A)
Application Directions: Apply specific dosage of Tebuconazole 4L in a preventative spray program. Use the highest listed rate when disease conditions are favorable and in areas where high disease pressure is expected. Applications may be repeated at 14-day intervals in order to maintain control of the disease. Apply specified dosage as a foliar spray in a minimum of 20 gals. of spray solution per acre by ground or a minimum of 5 gals. of spray solution by air. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank mixed with Tebuconazole 4L . Tebuconazole 4L must have 2 to 4 hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Tebuconazole 4L will be resistant to weathering.	
Resistance Management: Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3).	
Restrictions: <ul style="list-style-type: none">• Pre-Harvest Interval (PHI) = 3 days• Do not apply more than 24 fl. oz. of Tebuconazole 4L (0.68 lb. a.i./A) per acre per season.• Restricted-entry interval (REI) = 12 hours	

Peanut

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
SOILBORNE: Cylindrocladium Black Rot – Suppression Rhizoctonia limb rot Rhizoctonia pod rot (Virginia and North Carolina only) Sclerotium stem and pod rot (white mold, Southern blight, Southern stem rot)	7.2 (0.20 lb. a.i./A)
FOLIAR: Early leaf spot Late leaf spot Leaf rust Pepper spot (<i>Leptosphaerulina</i>) Web blotch (<i>Phoma</i>)	

Application Directions:

- **Four-Application Spray Program:** Apply the specified rate in a preventive spray schedule. See table below for proper timing of applications. Applications of chlorothalonil must be made prior to and following applications of **Tebuconazole 4L** to discourage development of resistant strains of fungi. For optimum control of foliar diseases such as leaf rust, web blotch, and pepper spot, the lowest label specified rate of a spray surfactant should be tank mixed with **Tebuconazole 4L**.
- **Leaf Spot Advisory Schedule:** For control of soilborne diseases in an advisory schedule, apply **Tebuconazole 4L** in the first advisory spray in July and continue **Tebuconazole 4L** applications at 14-day intervals. Applications after August 15th must be tank mixed with chlorothalonil for resistance management purposes.

For optimum control of the specified soilborne diseases, 4 consecutive applications of **Tebuconazole 4L** must be made at 14- day intervals.

Tebuconazole 4L is a sterol demethylation inhibitor (DMI) fungicide. Chlorothalonil may be tank mixed at the rate of 12 oz. of active ingredient with **Tebuconazole 4L** as a leaf spot resistance management strategy. A spray surfactant is not necessary when **Tebuconazole 4L** is tank mixed with chlorothalonil. Mixing or alternating **Tebuconazole 4L** with other DMI fungicides may lead to resistance.

Tebuconazole 4L must be carried by rainfall or irrigation into the root and pod zone for control of root and pod rots caused by *Sclerotium rolfsii* and *Rhizoctonia solani*. Drought conditions will decrease the effectiveness of **Tebuconazole 4L** against the root and pod rots.

Use **Tebuconazole 4L** in conjunction with cultural practices that are known to reduce the severity of soilborne diseases, such as proper crop rotation practices.

Restrictions:

- Pre-Harvest Interval (PHI) – 14 days
- Do not apply more than 28.8 fl. oz. of **Tebuconazole 4L** (0.81 lb. a.i./A) per crop season.
- Restricted-entry interval (REI) = 12 hours
- Do not feed hay or threshings or allow livestock to graze in treated areas.

Timing of Tebuconazole 4L Application for Optimum Control of White Mold and Rhizoctonia Limb and Pod Rot

Spray Program	Tebuconazole 4L Application No.	Chlorothalonil Application No.
7 Applications	3, 4, 5, and 6	1, 2, and 7

Pecan

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Brown leaf spot (<i>Sirosporum diffusum</i>) Downy spot (<i>Mycosphaerella caryigena</i>) Liver spot (<i>Gnomonia caryae</i>) Scab (<i>Cladosporium caryigenum</i>) Vein spot (<i>Gnomonia nerveda</i>) Zonate leaf spot (<i>Grovesinia pyramidalis</i>)	4 – 8 (0.11 – 0.23 lb. a.i./A)

Application Directions:

Apply **Tebuconazole 4L** in a preventive spray schedule beginning at early bud break (young leaves unfolding), and continue applications at 10- to 14-day intervals through the pollination period. **Tebuconazole 4L** should be applied at 4 fl. oz. per acre in a tank mix with the specified rate of Super-Tin® in cover sprays. Follow label directions for the use of SuperTin. Do not add a surfactant to the spray solution when tank-mixing **Tebuconazole 4L** with SuperTin. Apply **Tebuconazole 4L** in a spray volume of 15 or more gals. per acre by air or 50 or more gals. per acre by ground. Apply 7 to 8 fl. oz. per acre of **Tebuconazole 4L** to full-size mature trees, and 4 to 6 fl. oz. per acre of **Tebuconazole 4L** to smaller trees. Apply the higher listed rate to varieties that are highly susceptible to the indicated diseases, or when severe disease conditions exist. The lowest labeled rate of a surfactant may be added to the spray solution for optimum control of the indicated diseases. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank mixed with **Tebuconazole 4L**. **Tebuconazole 4L** must have 2 to 4 hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, **Tebuconazole 4L** will be resistant to weathering.

Resistance Management:

Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3). It may be applied in a tank mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

Restrictions:

- Do not apply after shucks begin to split.
- Do not apply more than of 32 fl. oz. of **Tebuconazole 4L** (0.90 lb. a.i./A) per acre per crop season.
- Do not cut cover crops in treated areas for feed or allow livestock to graze treated areas.
- Restricted-entry interval (REI) = 12 hours

Soybean

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Powdery Mildew (<i>Microsphaera diffusa</i>) Rust (<i>Phakopsora pachyrhizi</i>)	3 – 4 (0.08 – 0.11 lb. a.i./A)

Application Directions:

Apply **Tebuconazole 4L** as a broadcast foliar spray as a preventative spray or at first visible symptoms of disease. Repeat applications on a 10- to 14-day spray interval if environmental conditions are favorable for continued disease development. Use the higher listed rates and shorter spray intervals when disease pressure is severe. The lowest labeled rate of spray surfactant should be tank mixed with **Tebuconazole 4L**. Apply **Tebuconazole 4L** in a minimum of 10 gals. of spray solution per acre by ground sprayer or in a minimum of 5 gals. per acre by aircraft spray equipment.

Restrictions:

- Do not apply more than 3 applications per season.
- Do not apply more than 12 fl. oz. **Tebuconazole 4L** (0.34 lb. a.i./A) per acre per season.
- Pre-harvest interval (PHI) = 21 days
- Restricted-entry interval (REI) = 12 hours

Sunflower

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Rust (<i>Puccinia helianthi</i>)	4 – 6 (0.11 – 0.17 lb. a.i./A)
<p>Application Directions: Apply specific dosage of Tebuconazole 4L at the earliest sign of infection (rust pustules developing) or when weather conditions are favorable for rust development. Apply higher listed rate to highly susceptible varieties and/or under severe disease conditions. Application may be repeated at 14 days if necessary to maintain control of the disease. Apply specified dosage in a minimum of 20 gals. of spray solution per acre by ground or a minimum of 5 gals. of spray solution by air. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank mixed with Tebuconazole 4L. Contact your State Extension Service or RedEagle International LLC representative for a list of approved surfactants. Tebuconazole 4L must have 2 to 4 hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Tebuconazole 4L will be resistant to weathering.</p> <p>Resistance Management: Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3).</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • Pre-Harvest Interval (PHI) = 50 days • Do not apply more than 16 fl. oz. of Tebuconazole 4L (0.45 lb. a.i./A) per acre per season. • Restricted-entry interval (REI) = 12 hours 	

Turnip¹

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Cercospora leaf spot (<i>Cercospora brassicicola</i>)	4 - 7.2 (0.11 – 0.20 lb. a.i./A)
<p>Application Directions: Apply the specified dosage in a protective spray schedule to foliage. Repeat applications at 12- to 14-day intervals. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank mixed with Tebuconazole 4L. Tebuconazole 4L must have 2 to 4 hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Tebuconazole 4L will be resistant to weathering.</p> <p>Resistance Management: Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3).</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • Pre-Harvest Interval (PHI) = 7 days • Do not apply more than 28.8 fl. oz. of Tebuconazole 4L (0.81 lb. a.i./A) per acre per crop season. • Restricted-entry interval (REI) = 12 hours • ¹Application is limited to East of the Rockies. 	

Wheat

Disease	Rate of Tebuconazole 4L (Fl. Oz. per Acre)
Head blight or scab (<i>Fusarium spp.</i>) – Suppression	
Rusts leaf, stem, and stripe (<i>Puccinia spp.</i>)	4 (0.11 lb. a.i./A)

Application Directions:

Wheat fields must be observed closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development. Straw may be fed or used for bedding. Apply **Tebuconazole 4L** in a minimum of 10 gals. of spray solution per acre by ground, or in a minimum of 5 gals. of spray solution per acre by air.

Timing Directions:

Rusts: Apply **Tebuconazole 4L** at the earliest sign of rust pustules on foliage.

Fusarium Head Blight: Optimal timing of **Tebuconazole 4L** for Fusarium head blight suppression is the beginning of flowering on main stem heads (Feekes 10.51).

For optimum disease control, the lowest specified rate of a spray surfactant should be tank mixed with **Tebuconazole 4L**. **Tebuconazole 4L** must have 2 to 4 hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, **Tebuconazole 4L** will be resistant to weathering.

Resistance Management:

Tebuconazole 4L is a demethylation inhibitor (DMI) fungicide (Group 3).

Restrictions:

- Do not apply more than 4 fl. oz. of **Tebuconazole 4L** (0.11 lb. a.i./A) per acre per crop season.
- Pre-harvest interval (PHI) = 30 days
- Restricted-entry interval (REI) = 12 hours
- Do not allow livestock to graze or feed green forage to livestock prior to 6 days after treatment with **Tebuconazole 4L**.

USE INFORMATION FOR GOLF COURSE TURF, FIELD, NURSERY AND CONTAINER ORNAMENTALS AND COMMERCIAL LANDSCAPES USES

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

- Do not apply within 100 feet of the aquatic areas listed above.
- Do not cultivate within 10 feet of an aquatic area to allow growth of a vegetation filter strip.
- See Spray Drift Management section for further information.

Spray Drift Management

Make ground application when wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperatures.

Do not make ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Spray Volume

For best results, **Tebuconazole 4L** may be applied in 66 - 132 gals. of water per acre for turf using ground based equipment. For ornamentals, 50 - 300 gals. of finished spray per acre is recommended depending upon the equipment, plant species and plant growth stage at time of application. For the most effective results, equipment calibration must be checked regularly. When using lower spray volumes, be sure to maintain uniform application and full crop coverage so as to ensure effective control. Increase spray volume to ensure proper application, if required.

Chemigation

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

Mixing

Continuous agitation is required during mixing. When mixing this product and water, use the specified application rates as listed for each crop on this label. Before combining any other substances with the mixture, ensure that **Tebuconazole 4L** is completely dispersed in the mixture. 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.

Mixing Procedure

1. Water. Add three-quarters of the required volume to a thoroughly clean sprayer tank.
2. Agitation. Start agitation and maintain constant agitation throughout mixing and application.
3. Inductor. If an inductor is used, rinse it thoroughly after each component has been added.
4. Products in PVA Bags. Place any product contained in water soluble PVA bags into the mixing tank. Wait until all water soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
5. Water Dispersible Products. Including dry flowables (DF), wettable powders (WP), suspension concentrates (SC) or suspo- emulsions (SE).
6. Water-soluble products.
7. Emulsifiable concentrates (such as oil concentrates when applicable).
8. Water soluble additives (such as AMS or UAN when applicable).
9. Remaining quantity of water.

Compatibility

Before mixing components, always perform a compatibility jar test. For 66 gals. per acre spray volume, use 5 cups of water in a clear, clean mixing jar. For other spray volumes adjust accordingly. Only use water from the intended source at the source temperature. Add components in the sequence indicated below in Mixing Order using 3 teaspoons for each pound of dry product or 1 ½ teaspoon for each pint of liquid product of specified label rate per acre. Always cap the jar and invert 10 cycles between component additions. When the components have all been added to the jar and fully mixed, let the solution stand for 15 minutes. Evaluate the solution for uniformity and stability. The spray solution must not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent and use the compatibility agent as directed on its label.

DISEASE CONTROL IN GOLF COURSE TURF

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 4L** is not phytotoxic to any of the above mentioned grasses when used in accordance with the label.

Note: Bermudagrass can be sensitive to **Tebuconazole 4L** under certain conditions. Do not apply consecutive applications during or just after dormancy break. Avoid applications when temperatures are expected to exceed 85°F.

Tebuconazole 4L can be used for the prevention and control of the diseases mentioned in the 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 4L** in sufficient water for thorough coverage. A volume of 66 - 132 gals. per acre (1.5 - 3 gals. 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 hand wand or backpack equipment. Maintain constant agitation during application.

Depending on the disease, **Tebuconazole 4L** must 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.

Restrictions:

- 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 residential 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 4L** (0.101 lb. a.i.) per 1,000 sq. ft. per year.
- Do not apply more than 6 applications per year except in New York.
- In New York State, do not apply more than 3 applications of 0.6 fl. oz. (0.017 lb. a.i.) not to exceed 1.8 fl. oz. (0.051 lb. a.i.) of **Tebuconazole 4L** per 1,000 sq. ft. per year (equivalent to 2.2 lbs. a.i./acre/year).

Disease	Rate of Tebuconazole 4L (Fl. Oz./1,000 Sq. Ft.) ¹	Application Instructions
Dollar Spot (<i>Sclerotinia homoeocarpa</i>) Copper Spot (<i>Gloeocercospora sorghi</i>) Powdery Mildew (<i>Erysiphe graminis</i>) Corticium Red Tread (<i>Laetisaria fuciformis</i>) Rusts (<i>Puccinia</i> spp.)	0.6 - 1.1 (0.017 – 0.031 lb. a.i.)	For prevention, begin applications when conditions are favorable for disease development. Do not make 2 consecutive applications of Tebuconazole 4L . 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 (<i>Rhizoctonia solani</i>) Brown Ring Patch (<i>R. circinata</i>)	0.6 - 1.1 (0.017 – 0.031 lb. a.i.)	For prevention, begin applications when conditions are favorable for disease development. Do not make 2 consecutive applications of Tebuconazole 4L .
Anthraxnose - Basal and Foliar (<i>Colletotrichum cereale</i>) Red Thread (<i>Laetisaria fuciformis</i>) Pink Patch (<i>Limonomyces roseipellis</i>)	0.6 - 1.1 (0.017 – 0.031 lb. a.i.)	Alternate with a different mode of action. A second application may be made after 28 days.
Bermuda Grass Decline (<i>Gaeumannomyces graminis</i> var. <i>graminis</i>)	0.6 - 1.1 (0.017 – 0.031 lb. a.i.)	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 root zone. For prevention, begin applications 2 or 4 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 application at 28-day intervals.

Take All Patch (<i>Gaeumannomyces graminis</i>)	0.6 - 1.1 (0.017 – 0.031 lb. a.i.)	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 - 1.1 (0.017 – 0.031 lb. a.i.)	Apply when conditions are favorable for disease development at 28-day intervals.
Stripe Smut (<i>Ustilago striiformis</i>)	0.6 - 1.1 (0.017 – 0.031 lb. a.i.)	Make a single application to historical disease areas in spring as grass growth begins.
Spring Dead Spot (<i>Leptosphaeria korrae</i> , <i>L. narmari</i> , <i>Ophiosphaerella herpotricha</i> , <i>Gaeumannomyces graminis</i>) Necrotic Ring Spot (<i>Leptosphaeria korrae</i>)	0.6 - 1.1 (0.017 – 0.031 lb. a.i.)	For prevention, apply in fall when soil temperatures 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 - 1.1 (0.017 – 0.031 lb. a.i.)	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 - 1.1 (0.017 – 0.031 lb. a.i.)	Apply beginning in the spring. Do not make 2 consecutive applications of Tebuconazole 4L . 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 - 1.1 (0.017 – 0.031 lb. a.i.)	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/ Microdochium Patch (<i>Microdochium nivale</i>)	0.6 - 1.1 (0.017 – 0.031 lb. a.i.)	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 a snow cover, or when turf is dormant. Tebuconazole 4L should be tank mixed with other registered snow mold products for best season long results.

<p>Fairy Ring (<i>Chlorophyllum Lepiota</i>)* *Not registered for sale or use in California</p>	<p>0.6 - 1.1 (0.017 – 0.031 lb. a.i.)</p>	<p>For prevention in cool-season turf, make 2 applications at the low-medium rate in the spring when root zone soil temperatures reach 55-60°F. Make a second application using a 21-day interval. 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. Do not use a wetting agent unless hydrophobic soil conditions exist. For curative treatment, use the medium to high rate. For warm-season turf breaking dormancy, do not make 2 consecutive applications of Tebuconazole 4L or other DMI containing fungicides. Alternate with other fungicides with a different mode of action, such as azoxystrobin, flutolanil, or polyoxin D zinc salt. For hydrophobic areas, use an appropriate wetting agent to effectively penetrate the hydrophobic zone commonly created with this disease.</p>
<p>Restrictions:</p> <ul style="list-style-type: none"> • Do not use clippings for animal feed. • Do not apply more than 3.6 fl. oz. of Tebuconazole 4L (0.101 lb. a.i.) per 1,000 sq. ft. per year. • Do not exceed 6 applications per year except in New York. • In New York State, do not apply more than 3 applications of 0.6 fl. oz. (0.017 lb. a.i.) not to exceed 1.8 fl. oz. (0.051 lb. a.i.) of • Tebuconazole 4L per 1,000 sq. ft. per year (equivalent to 2.2 lbs. a.i./acre/year). • *The application use rate for California is 0.6 Fl. Oz./1,000 Sq. Ft. <p>Application Directions: Apply the specified amount of Tebuconazole 4L in 1.5 to 3 gals. of water per 1,000 sq. ft. Make all applications after mowing and allow foliage to dry thoroughly before irrigation.</p>		

DISEASE CONTROL IN FIELD, NURSERY AND CONTAINER ORNAMENTALS AND COMMERCIAL LANDSCAPES

Tebuconazole 4L 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 4L** 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 4L** at rates of 4 - 10 fl. oz. per acre in 100 gals. of water. Spray volume may range from 50 up to 300 gals. 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.

Restrictions:

- Not for residential use.
- For use on ornamental plants only; not for use on woodlands or forest management.
- Do not use in, on, or around any structure, vehicle, article, surface, or area associated with the household, including but not limited to areas such as non-agricultural outbuildings, non-commercial greenhouses, pleasure boats and recreational vehicles, or in any preschool or day care.
- Intended only for use by professional applicators.
- Do not apply more than 10 fl. oz. per acre (0.28 lb. a.i.) in a single application.
- Do not apply more than 0.31 gal. (40 fl. oz.) of **Tebuconazole 4L** (equal to 1.13 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.
- In New York State, do not apply more than 3 applications of 0.6 fl. oz. (0.017 lb. a.i.) not to exceed 1.8 fl. oz. (0.051 lb. a.i.) of **Tebuconazole 4L** per 1,000 sq. ft. per year (equivalent to 2.2 lbs. a.i./acre/year).

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.

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	Petal Blight – Apply 2 - 3 times per week into the flowers as they open and develop color.	
Ground Covers and Vines	Powdery Mildew Rust Southern Blight		

How much to use for small plantings: Add 1 teaspoon to 2.5 gallons of water.
Restricted-entry interval (REI) = 12 hours

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, secure, 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 reach of children, preferably in a locked storage area.

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

CONTAINER HANDLING:

Nonrefillable container ≤ 5 gallons: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or 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.

Nonrefillable > 5 gallons: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. 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.

Refillable Bulk Containers: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing 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.

WARRANTY AND DISCLAIMER STATEMENT

NOTICE: 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. Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of RedEagle International LLC, no claims are made to guarantee germination of carry-over seed.

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 RedEagle International LLC. To the extent allowable under State law, all such risks shall be assumed by the user or buyer.

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