UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

May 25, 2023

Ogongi Ogongi
Agent for Aquatrols Corporation of America
c/o Wagner Regulatory Associates Inc.
P.O. Box 640, 7217 Lancaster Pike, Suite A
Hockessin, DE 19707

Subject: Notification per PRN 98-10 – Add Alternate Brand Name
Product Name: Aquatrols Triadimefon
EPA Registration Number: 94396-33
Application Date: November 04, 2022
Decision Number: 588828

Dear Mr. Ogongi:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "NOTIFICATION" and placed in our records.

The alternate brand name, "Trigon® Unitech® Fungicide" has been added to the product record.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you have any questions, please contact Ernest Kraka at (202)-566-2811 or at kraka.ernest@epa.gov.

Sincerely,

Shaja B. Joyner, Product Manager 20
Fungicide-Herbicide Branch
Registration Division 7505T

[Master Label]

TRIADIMEFON	GROUP	3	FUNGICIDE

Aquatrols Triadimefon

[Alt. Brand Name: Aquatrols Triadimefon UniTech]

[Alt. Brand Name: Trigon® Unitech® Fungicide]

Broad spectrum systemic fungicide for use on turfgrass and ornamentals.

WHERE TO USE: For use on residential and commercial turfgrass including golf courses, residential lawns, commercial lawns and grounds, sod farms, and gardens or parks. AQUATROLS TRIADIMEFON may also be utilized on ornamentals including plants, shrubs, shade trees and interior plantscapes. See label booklet for more detailed information.

WHEN TO USE: AQUATROLS TRIADIMEFON may be utilized as a preventative or curative application. See application rates for detailed information.

ACTIVE INGREDIENTS:	
Triadimefon*	43.0%
OTHER INGREDIENTS:	57.0%
TOTAL:	100.00%

*1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone
Equivalent to 4.15 pounds Triadimefon per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See [side] [back] [panel] [label booklet] for [First Aid,] [additional] [Precautionary Statements,] [complete] [Directions For Use,] including [Storage and Disposal.]

Net Contents: ____ Gallons

EPA Reg. No. 94396-33~~NEW~~ **EPA Est. No. _____**

Manufactured For [By]:
Aquatrols Corporation of America
1273 Imperial Way
Paulsboro, NJ 08066
1-800-257-7797
Aquatrols.com

NOTIFICATION
94396-33
The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:
05/25/2023

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wear long sleeved shirt and long pants, shoes, and socks.

FIRST AID	
IF SWALLOWED	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • **DO NOT** induce vomiting unless told to do so by the poison control center or doctor. • **DO NOT** give anything by mouth to an unconscious person.
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.

SYMPTOMS OF POISONING

The compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by hyperactivity followed by sedation.

NOTE TO PHYSICIAN

No specific antidote. Treat symptomatically.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or going for treatment. For chemical emergency spill, leak, fire, exposure, or accident, call CHEMTEL day or night. Domestic North America 800-255-3924. International call 813-248-0585 (collect calls accepted). You may also call the poison control center at 1-800-222-1222.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators, flaggers, and other handlers must wear:

- Long-sleeved shirt and long pants
- Socks and chemical resistant footwear
- Chemical resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils.

See engineering controls for additional requirements.

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.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them.

ENGINEERING CONTROL STATEMENTS

Pilots must use an enclosed cockpit in a manner that is consistent with the WPS for Agricultural Pesticides [40 CFR 170.240(d)(6)]. Pilots must wear the PPE required on this labeling for applicators.

USER SAFETY RECOMMENDATIONS

Users should:

- Users should wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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

DO NOT apply AQUATROLS TRIADIMEFON directly to water, or to areas where surface water is present or to intertidal areas below the mean highwater mark. **DO NOT** contaminate water when disposing of equipment washwaters or rinsate. **DO NOT** apply when weather

conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to organisms in neighboring areas.

This product may contaminate water through runoff. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

Groundwater Advisory: This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

PHYSICAL AND CHEMICAL HAZARDS

Do not mix or allow coming in 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.

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN TURF INJURY, POOR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.

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.

Application to trees that bear fruit or nuts is prohibited. Applications are permitted on non-bearing fruit or nut trees only. **DO NOT** use clippings for animal feed.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Harvesting or transplanting turfgrass grown on sod farms is prohibited for 17 days following application.

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 plus socks
- Chemical resistant gloves made of barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils.

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 allow people (other than the applicator) or pets on the treatment area during application. **DO NOT** enter or allow others to enter the treated area until sprays have dried.

Application Guidelines

AQUATROLS TRIADIMEFON is absorbed rapidly and works systemically from within the plant. Thorough coverage and wetting of the

foliage are necessary. Rainfall or sprinkler irrigation, within 30 minutes after application does not decrease effectiveness. Control may be less effective on plants suffering from drought stress. Use of Aquatrols soil surfactants such as Zipline® or Revolution® may help prevent drought stress when combined with good cultural practices. In order to achieve maximum control, plants should be maintained in a vigorously growing state.

Make application when plants are fully established and actively growing. Applications must be made at prescribed intervals to maintain disease control.

DO NOT mix AQUATROLS TRIADIMEFON with any product containing a label prohibition against such mixing. **DO NOT** use on crops grown for food or forage.

For residential and commercial turf sites make application with spray equipment such as backpack sprayer, hand pump sprayer, tank and hand-held spray gun, boom sprayer, and/or ride-on sprayer. Aerial application is permitted to sod farm turfgrass only.

For residential and commercial ornamental landscapes apply AQUATROLS TRIADIMEFON with spray equipment such as backpack sprayer, hand pump sprayer, tank and hand-held spray gun or wand.

For noncommercial greenhouse and interior ornamental plantscapes apply AQUATROLS TRIADIMEFON with spray equipment such as backpack sprayer, hand pump sprayer, tank and hand-held spray gun or wand.

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Applications:

- **DO NOT** release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to select the nozzle and pressure that deliver medium or coarser droplets (ASABE S641).
- If the wind speed is 10 miles per hour or less, applicators must use ½ swath displacement upwind at the downwind edge of the field. When the wind speed is between 11-15 miles per hour, applicators must use ¾ swath displacement upwind at the downwind edge of the field.
- **DO NOT** apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- **DO NOT** apply during temperature inversions.

Ground Boom Applications:

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to select the nozzles and pressure that deliver medium or coarser droplets (ASABE S572).
- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- **Volume** - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- **Pressure -** Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- **Spray Nozzle -** Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

- **Adjust Nozzles** - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom
For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft
Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS
Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY
When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS
Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND
Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

CHEMIGATION SYSTEMS - SOD FARMS AND ORNAMENTALS ONLY

Apply AQUATROLS TRIADIMEFON through solid set irrigation systems only. **DO NOT** apply AQUATROLS TRIADIMEFON through any other type of irrigation system.

Operating Instructions:

- 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 backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back towards 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 the 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 areas intended for treatment.
- Turf injury or lack of effectiveness 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.
- Pre-mix the required amount of AQUATROLS TRIADIMEFON, as determined under "Additional Application Instructions", in sufficient water to uniformly inject the entire mixture during the last 5 minutes of the irrigation cycle using a positive pressure pumping system. Continuous agitation of the mixture in the holding tank is required to maintain suspension of AQUATROLS ~~TRIADIMEFON .~~TRIADIMEFON. The injection must occur during the last 5 minutes of the irrigation cycle.

PRODUCT INFORMATION

AQUATROLS TRIADIMEFON is a broad-spectrum systemic fungicide for use on turfgrass and ornamentals. AQUATROLS TRIADIMEFON may be used as a preventative or curative application with a 14 to 28 day residual activity.

Use of AQUATROLS TRIADIMEFON on Turfgrass and Ornamentals Provides:

- Systemic control of foliar, root, and soil diseases
- Excellent control of dollar spot and 12 other turf diseases
- Preventative fairy ring control
- Fantastic tank mix partner with Aquatrols Fluazinam on golf course turfgrass
- Controls over 25 ornamental diseases

Integrated Pest (Disease) Management (IPM)

AQUATROLS TRIADIMEFON should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Sound pest management resulting in healthy, vigorous turf and ornamentals is the foundation of a good IPM program. Cultural practices such as proper choice of varieties, nutrient management, proper cutting height, thatch management, and proper watering, drainage, and moisture stress management should be integrated with the use of fungicides to increase vigor and reduce the susceptibility to disease. Immunoassay detection kits and extension service diagnostic services can assist in the early and accurate identification of causal organisms and corresponding selection of the proper fungicide when required.

RESISTANCE MANAGEMENT

For resistance management, AQUATROLS TRIADIMEFON contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to AQUATROLS TRIADIMEFON 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 areas. Appropriate resistance-management strategies should be followed.

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

- Rotate the use of AQUATROLS TRIADIMEFON or other Group 3 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides 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 Aquatrols representative or university extension specialist to report resistance.

TURFGRASS APPLICATION INFORMATION

AQUATROLS TRIADIMEFON can be tank-mixed with other Aquatrols fungicides for use on turfgrass in accordance with the more (most) restrictive of label limitations and precautions. **DO NOT** exceed the labeled rates. Continued use of an Aquatrols Zipline® or Revolution® program may help reduce disease pressure of some turfgrass diseases.

Restrictions:

- **DO NOT** apply more than 2.7 lbs. ai/A (1.9 fl. oz. of AQUATROLS TRIADIMEFON) per application.
- **DO NOT** apply more than 5.4 lbs. ai/A (3.8 fl. oz. of AQUATROLS TRIADIMEFON) per year.
- Minimum retreatment interval is 14 days.
- **DO NOT** apply more than 2.0 lb. ai/A (1.4 oz. of AQUATROLS TRIADIMEFON) in a single application on residential lawns including home lawns and turf sites associated with apartment buildings, day-care centers, playgrounds, playfields,

recreational parks, and elementary, middle, and high schools.

- **DO NOT** exceed 5.4 lbs ai/A (e.g., 2 applications of 1.9 fl. oz./1000 ft^2) for multiple applications.
- **DO NOT** make application to golf courses, including tees, greens, fairways, and roughs, if the turfgrass is over 2.5 inches in height.
- Aerial application is permitted to sod farm turfgrass only.
- **DO NOT** harvest or transplant turfgrass grown on sod farms for 17 days after application.

Plant Tolerance

Note to User: Although AQUATROLS TRIADIMEFON has been evaluated on several turf species with no indication of phytotoxicity, neither the manufacturer nor seller has determined whether or not AQUATROLS TRIADIMEFON can be used safely on all turf species. The professional user should determine if AQUATROLS TRIADIMEFON can be used safely prior to commercial use by testing on the type of turf to be treated at recommended rates for phytotoxicity.

Tank Mixing

AQUATROLS TRIADIMEFON can be safely applied in a tank mix with a range of commonly used chemicals and fertilizers including Aquatrols products. Tank mix combinations containing AQUATROLS TRIADIMEFON have not been tested on all varieties of every species or under all possible growing conditions. If a user is unfamiliar with the performance of AQUATROLS TRIADIMEFON in tank mixes under user's growing conditions, a limited area should be tested prior to large-scale application. The user should always exercise reasonable judgment and caution when using this and all other products. When applicators are selecting a new tank mix combination with AQUATROLS TRIADIMEFON, Aquatrols recommends a jar test be conducted to determine compatibility prior to large volume tank mixing.

Turfgrass Application Timing

AQUATROLS TRIADIMEFON contains the active ingredient Triadimefon which belongs to the DeMethylation Inhibitors (DMI) family of fungicides. Triadimefon and other DMI fungicides have growth-regulating properties which may have an adverse impact on cool-season turfgrass during periods of high heat (above 85º F) and severe stress. High-rate and/or multiple applications may tend to have a more severe impact under these conditions. For this reason, Aquatrols recommends utilizing AQUATROLS TRIADIMEFON when turf is healthy and actively growing.

Turfgrass Application Rates

Aquatrols Triadimefon Use Rates			
Diseases Controlled Pathogen(s)	**Fl oz per 1000 ft^2**		**Instructions for Use on Golf Course Tees, Greens, Fairways and Roughs**
	Preventative Rates	**Curative Rates**	
Dollar Spot *Sclerotinia homeocarpa* *Lanzia* spp. *Moellerodiscus* spp.	0.25	-	**Preventative Rate** (Except California): Apply prescribed rate on 14-day intervals. Protective activity of AQUATROLS TRIADIMEFON may extend for as long as 30 days dependent upon environmental conditions.
	0.5	-	**Preventative Rate**: Apply prescribed rate at 30-day intervals. Protective activity of AQUATROLS TRIADIMEFON may extend for as long as 60 days, depending upon environmental conditions.
	-	1	**Curative Rate**: To control existing infections, apply the curative rate. Subsequent applications must be applied on a preventive schedule and rate.
Fairy Ring	1.0-1.9	-	**Preventative Rate:** Apply prescribed rate in 2 - 4 gal of water in the spring prior to appearance of fairy ring symptoms. Before the spray dries, irrigate to wash the fungicide into the thatch/soil where the fungus is active. Repeat application 14 - 28 days later. If the 1.9 oz. rate is used on Poa annua putting greens, extend the interval to 21 - 28 days. Apply with Aquatrols **Zipline**® or **Revolution**® for best results with continued applications of **Zipline**® or **Revolution**® throughout the growing season.
Brown Patch / Rhizoctonia Blight (Rhizoctonia solani) (Suppression)	0.5	1	**Preventative Rate:** Apply at 15- to 30-day intervals. When environmental conditions favor light to moderate disease development, use a longer interval. Protective activity of AQUATROLS TRIADIMEFON can be greater than 30 days depending on environmental conditions.

Copper Spot (Gloeocercospora sorghi) Corticium Red Thread (Laetisaria fuciformis) Powdery Mildew (Erysiphe graminis) Rusts (Puccinia spp.)			**Curative Rate**: To control existing infections, apply the curative rate. Subsequent applications must be applied on a preventive schedule and rate.
Brown Patch/Rhizoctonia Blight (Rhizoctonia solani)	0.5	0.5	**Preventative Rate:** Apply on a 21- to 28-day schedule. **Curative Rate**: To control existing infections, tank-mix AQUATROLS TRIADIMEFON with the curative rate of other Aquatrols fungicides. Subsequent applications must be applied on a preventative schedule.
Anthracnose (Colletotrichum graminicola)	1	1	**Preventative Rate:** Apply at 30-day intervals for seasonal control. Depending upon environmental conditions, residual control may be extended to 45 days. **Curative Rate**: To control existing infections, apply the curative rate. Subsequent applications must be applied on a preventative schedule and rate.
Southern Blight (Sclerotium rolfsii) (For residential lawns** **DO NOT** exceed 1.4 fl. oz. of product/1,000 sq ft.)	0.5 – 1.9	1.9	**Preventative Rate:** Begin applications prior to the appearance of disease symptoms. Depending on anticipated disease severity, apply 1 to 1.9 fl. oz. rates at 14-day intervals for the initial 2 to 3 treatments. Apply subsequent treatments of 0.5 to 1.2 fl. oz. at 14- to 28-day intervals. **Curative Rate**: To control existing infections, apply 1.9 fl. oz. at 14-day intervals for the initial 2 to 3 treatments followed by 0.5 to 1 fl. oz. at 14- to 28-day intervals.
Gray Leaf Spot	0.5 – 1	-	Apply when conditions are favorable for disease development on 14-day intervals. If using 0.5 fl. oz. per 1,000 sq ft, or under conditions favoring moderate to heavy disease pressure, AQUATROLS TRIADIMEFON may be tank mixed with Aquatrols Fluazinam or Dovetail.
~~**Aquatrols Triadimefon Use Rates (cont.)**~~			
Stripe Smut (Ustilago striiformis)	1	-	Make the first application in the spring just before the turf breaks dormancy, followed by a second application just prior to the summer heat stress period and a third application when the cool nighttime temperatures of the late summer or early fall return.
Fusarium Blight (Fusarium culmorum) (Fusarium poae) Summer Patch (Magnaporthe poae) (For residential lawns** **DO NOT** exceed 1.4 fl. oz. of product/1,000sq ft.)	1 – 1.9	-	Apply first application in the spring, 30 to 60 days before initial symptoms normally appear.
Zoysia patch, Large patch of zoysia (Rhizoctonia solani) (For residential lawns** **DO NOT** exceed 1.4 fl. oz. of product/1,000sq ft.)	1 – 1.9		Make first application 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.

Bermudagrass decline (Gaeumannomyces graminis var. graminis) Take all patch (Gaeumannomyces graminis var. avenae) (Except California) (For residential lawns** **DO NOT** exceed 1.4 fl. oz. of product/1,000sq ft.)	1 – 1.9	1.9	Immediately after the fungicide is applied, the area must be thoroughly irrigated to move the active ingredient down into the crown and rootzone of the turf. The amount of water is dependent on the depth of the rootzone. The objective is to water the fungicide into the crown and rootzone. **Preventative Rate:** Begin applications prior to the appearance of disease symptoms. Initiate cultural control practices at the same time the fungicide is applied. Refer to your local County Extension Service for this information. Apply subsequent applications at 21- to 28-day intervals. For take all patch, applications in both spring and fall may be necessary. **Curative Rate**: To control existing infections, apply 1.9 fl. oz. for the initial treatment followed by 1 to 1.9 fl. oz. at 21- to 28-day intervals. Cultural control practices such as aerification, topdressing, reseeding, and fertilization should be implemented prior to or at the same time the fungicide is applied. Refer to your local County Extension Service for this information.
Gray Snow Mold/Typhula Blight (Typhula incarnata) (Except California) (**DO NOT** use on residential lawns.)	1.9	-	Apply in the fall, 30 days prior to turf dormancy. If turf breaks dormancy during winter months, a second application may be made. **DO NOT** apply over snow cover, or when turf is dormant. For best results tank mix with Aquatrols Fluazinam and/or Dovetail.
Pink Snow Mold/Fusarium Patch (Microdochium nivalis) (Except California) (For residential lawns** **DO NOT** exceed 1.4 fl. oz. of product/1,000sq ft.)	1 – 1.9	-	Apply before conditions favorable for infection occur. Reapplication may be made as needed at a 60- to 90-day interval. **DO NOT** apply over snow cover, or when turf is dormant. Use higher rate in areas with a history of severe disease damage. For best results tank mix with Aquatrols Fluazinam and/or Dovetail.
*Note: Apply the prescribed amount of AQUATROLS TRIADIMEFON using 2 to 4 gal of spray per 1,000 ft^2. Make all applications after mowing and allow foliage to dry thoroughly before irrigation. **DO NOT** use clippings for animal feed. **Residential lawns including home lawns and turf sites associated with apartment buildings, day-care centers, playgrounds, playfields, recreational parks, and elementary, middle, and high schools.			

ORNAMENTAL APPLICATION INFORMATION

AQUATROLS TRIADIMEFON can be utilized on many ornamental plants to treat and prevent diseases. **DO NOT** exceed the label's dosage rates. AQUATROLS TRIADIMEFON can be applied with other Aquatrols ornamental surfactants. Application with hose-end sprayers is permitted only for outdoor use on ornamentals. **DO NOT** use hose-end sprayer equipment in non-commercial greenhouses.

Compatibility
AQUATROLS TRIADIMEFON can be safely applied with a wide range of commonly used chemicals and fertilizers including Aquatrols products. Combinations containing AQUATROLS TRIADIMEFON have not been tested on all varieties of every species or under all possible growing conditions. If a user is unfamiliar with the performance of AQUATROLS TRIADIMEFON in combination with other products under user's growing conditions, a limited area should be tested prior to large-scale application. The user should always exercise reasonable judgment and caution when using this and all other products.

Spray Additives
Use of various spray additives such as CapSil®, AquaGro® L w/ PsiMatric Technology, or other surfactants, spreaders, extenders, trace elements or fertilizers must be evaluated prior to use. The label directions given here are based on data obtained with no additives; use of any product with AQUATROLS TRIADIMEFON may affect the result. Contact local university extension personnel prior to use of spray mix additives.

Restrictions:

- **DO NOT** apply more than 0.0025 lb. ai/gal (0.077 fl. oz. of AQUATROLS TRIADIMEFON) per application to ornamentals (including Azaleas) at residential sites.
- **DO NOT** use edible portions of treated trees, such as nuts and syrup, for feed or food.
- Chemigation is permitted for use on ornamentals and pine trees, including Christmas trees.
- **DO NOT** apply AQUATROLS TRIADIMEFON in a way that will contact workers or other persons, or pets either directly or through drift. Keep people and pets out of the area during application.

Ornamental Disease Control

Locate plant(s) in **Table 1** below to be treated. Cross reference the number/letter codes, following the plant name, to the specific diseases and applicable use instructions in **Table 2**.

Table 1.

PLANTS			
Flowering & Foliage Plants (Outdoor)	**Ornamental Shrubs & Trees**	**Shade Trees**	**Flowering & Foliage Plants (Non-commercial Greenhouse)**
Ageratum (2a, 3, 4) Aster (4) Begonia* (3) Canna (4) Carnation (3, 4) Chrysanthemum (3, 4) Dahlia (3) Delphinium (3) Dendrobium (1c) (Hawaii Only) Dianthus (4) Four O'Clock (4) Geranium* (3, 4) Hollyhock* (3, 4) Hydrangea (3) Iris* (2b) Marigold (2a, 4) Nephthytis* (2c) Pansy (3, 4) Petunia (3, 4) Phlox (2a, 3, 4) Poinsettia (3) Rose* (3) Salvia (3, 4) Sedum (3) Snapdragon* (3, 4) Sunflowers (3, 4) (ornamental only) Sweet peas* (3) Zinnia* (2a, 3)	Amelanchier (3) Azalea* (1a, 2e, 3) Barberry (3, 4) Buckthorn (4) Camellia (suppression of 1b) Cedar* (2f) Crabapple (flowering) (3, 4) Crape myrtle* (3) Dogwood (3) Euonymus* (3) Gardenia (3) Hawthorn (3, 4) Hemlock (4h) Holly (3) Juniper (4) Leucothoe (2a) Lilac (3) Mock-Orange (3, 4) Mountain Laurel (1a, 2a, 3) Ninebark (3) Paulownia (3) (Empress Tree) Pear (Flowering) (3) Photinia (2d, 3, 4) Potentilla (4) (Cinquefoil) Privet (2b, 3) Pyracantha (3) Rhododendron (1a, 2b, 3) Spirea (3) Viburnum* (3, 4) Vitex (2b) (Chaste Tree)	Ash (3) Aspen (3, 4) Birch (3, 4) Buckeye (3) Chestnut (3) Cottonwood (3, 4) Elm (3) Fir (4) Locust (3) Maple (3) Oak* (3) Pine* (4, 5) Poplar (3, 4) Russian Olive (2b, 4) Sycamore* (3) Walnut (3) Willow* (3, 4)	African Violet* (3) Azalea (1a, 2f, 3) Calendula (3, 4) Carnation* (3, 4) Chrysanthemum* (3, 4) Cineraria (3) Crassula (3) Daisy (3, 4) Fern, Boston (4) Geranium* (3, 4) Gerbera (3) Grape Leaf Ivy* (3) Hydrangea (3) Kalanchoe (3) Poinsettia (3) Rose* (3) Snapdragon (3, 4)
***California Use Restriction:** Only those plants marked with an asterisk may be treated.			

Table 2.

APPLICATION RATES: Except as noted in **Table 2** below for specific diseases, mix 5.5 fl. oz. of AQUATROLS TRIADIMEFON in 275 to 550 gal of water and apply as a full coverage foliage spray to the point of drip as needed.

DISEASES CONTROLLED			
1	**Flower Blight**		
	a	*Ovulina* spp.	

	b	*Sclerotinia* spp.	Mix 5.5 fl. oz. of AQUATROLS TRIADIMEFON in 71.25 to 137.5 gal of water and apply as a full-coverage foliar spray to the point of drip. Use multiple applications at 7- to 14-day intervals as needed dependent upon bloom periods. Applications may begin at the expanded bud stage (color showing or at bud break on Hemlock). Use 4 applications at 14-day intervals for Hemlock rust.
	c	*Collectotrichum*	
2	**Leaf Blight/Spots**		
	a	*Cerocospora* spp.	Mix 5.5 fl. oz. of AQUATROLS TRIADIMEFON in 275 to 550 gal of water and apply as a full coverage foliage spray to the point of drip as needed.
	b	*Didymellina* spp.	Mix 5.5 fl. oz. of AQUATROLS TRIADIMEFON plus sufficient spreader sticker for good coverage in 71.25 gal of water. Apply in a spray application to the point of run-off on an as needed basis during the early part of the season. Excessive rates or excessive applications may result in a shortening of the flower stalk on iris.
	c	*Cephalosporium* spp.	Mix 5.5 fl. oz. of AQUATROLS TRIADIMEFON in 71.25 to 137.5 gal of water and apply as a full coverage foliar spray to point of run-off. Apply in early spring as growth starts and re-apply on a 14- to 21-day interval until new growth is fully expanded. Protect new growth that develops in late summer or fall as temperatures begin to drop.
	d	*Entomosporium* spp.	
	e	*Exobasidium* spp.	For control of Exobasidium flower and leaf gall, apply 5.5 fl. oz. of AQUATROLS TRIADIMEFON in 275 gal of water. Begin application at bud break and apply at 10-day intervals through infestation period.
	f	*Didymascella thujina*	For control of Didymascella thujina, Cedar Leaf Blight, apply 5.5 fl. oz. per 0.69 acres in sufficient water to provide full coverage in nurseries, or 5.5 fl. oz. per 71.25 gal applied as a full coverage spray to ornamentals. Begin applications before disease appears in spring, and repeat at 60-day intervals through early fall.
3	**Powdery Mildew**		
		Erysiphe spp.	Winter Use: 0.5 fl. oz. in 50 gal of water or 5.5 fl. oz. in 550 gal of water. Summer Use: 1 fl. oz. in 50 gal of water or 5.5 fl. oz. in 275 gal of water. Mix specified amount of AQUATROLS TRIADIMEFON in water and apply in a spray application to the point of drip. Intervals between applications must be no shorter than 30 days to avoid flower stalk length reduction. Excessive rates or applications may result in a shortening of the flower stalk.
		*Microsphaer*a spp.	
		Oidium spp.	
		Podosphaera spp.	
		Phyllactinia spp.	
		Sphaerotheca spp.	
		Uncinula spp.	
4	**Rusts**		
	a	*Coleosporium* spp.	Mix 5.5 fl. oz. of AQUATROLS TRIADIMEFON in 275 to 550 gal of water and apply as a full coverage foliage spray to the point of drip as needed. For Applications in Non-Commercial Greenhouse see application rate below.*
	b	*Desmella sp.*	
	c	*Gymnosporanqium* spp.	
	d	*Melampsoridium* spp.	
	e	*Phragmidium andersonii*	
	f	*Puccinia* spp.	
	g	*Uromyces* spp.	
	h	*Melampsora farlowii*	Mix 5.5 fl. oz. of AQUATROLS TRIADIMEFON in 71.25 to 137.5 gal of water and apply as a full-coverage foliar spray to the point of drip. Use multiple applications at 7- to 14-day intervals as needed dependent upon bloom periods. Applications may begin at the expanded bud stage (color showing or at bud break on Hemlock). Use 4 applications at 14-day intervals for Hemlock rust. For Applications in Non-Commercial Greenhouse see application rate below.*
	i	*Uredinopsis mirabalis*	
	J	*Cronartium* spp. (Fusiform)	Mix 5.5 fl. oz. of AQUATROLS TRIADIMEFON plus sufficient spreader sticker for good coverage in 71.25 gal of water. Apply in a spray application to the point of run-off. on an as needed basis during the early part of the season. Excessive rates or excessive applications may result in a shortening of the flower stalk on iris. For Applications in Non-Commercial Greenhouse see application rate below.*
	K	*Peridesmium* spp.	

	I	*Melampsora* spp.	For control of Melampsora pinitorqua (Pine Twisting Rust), apply a single application in spring during periods favorable for infection. Mix 5.5 fl. oz. in 71.25 gal of water and apply to shoots in the upper whorl of susceptible pine species. Make a single application per year as a full coverage application sprayed to runoff. For Applications in Non-Commercial Greenhouse see application rate below.*
5	**Tip Blight**		
		Sirococcus strobilinus	Mix 5.5 fl. oz. of AQUATROLS TRIADIMEFON plus sufficient spreader sticker for good coverage in 71.25 gal of water. Apply in a spray application to the point of run-off on an as needed basis during the early part of the season. Excessive rates or excessive applications may result in a shortening of the flower stalk on iris.

*** For Application in Non-Commercial Greenhouse** (e.g., amusement parks, residential, golf courses, high schools, and universities)

Mix the specified amount of AQUATROLS TRIADIMEFON in water and apply in a spray application to the point of drip. Intervals between applications must be no shorter than 30 days to avoid flower stalk length reduction. Excessive rates or applications may result in a shortening of the flower stalk.

Winter Use Rate: 0.5 fl. oz. in 50 gal of water or 5.5 fl. oz. in 550 gal of water.

Summer Use Rate: 1 fl. oz. in 50 gal of water or 5.5 fl. oz. in 275 gal of water.

ADDITIONAL ORNAMENTAL APPLICATIONS

Crop	Disease	Application Rate
Christmas Trees (Except Concolor Fir)	Stem and Cone Rusts *Cronartium* spp. (Fusiform) *Peridemium* spp. *Endocronartium Harknessii* (Gall) Tip blight *Sirococcus strobilinus* Lophodermium Needlecast *Lophodermium pinestri*	8 fl. oz./A
	Apply specified dosage per acre or per 100 gallons of water as a full coverage, dilute spray as needed. Full coverage of the trees is essential for maximum control. Use of nonionic spray adjuvant is recommended. Time applications appropriately for the specific disease being controlled. A maximum of 64 fl. oz. of AQUATROLS TRIADIMEFON may be applied per acre per season. For rusts, begin applications when the needles break through the fascicle sheath. Make additional applications at 14 to 21-day intervals. Stop when galls become pale to white color. For tip blight, begin applications to coincide with bud break. Make two additional applications at 14- day intervals. For Lophodermium needlecast, begin applications to coincide with spore release, normally beginning in mid-July and ending in mid-October. Make applications at 21-day intervals. Extend interval to 28 days if spore release is light or dry weather is expected.	
Pine (Seedlings) (Except California)	Pine Rust (Fusiform rust)	4 to 16 oz./A
	Begin application prior to infection period and repeat as necessary at 14 to 21-day intervals depending upon disease pressure. Use lower rates in areas of low disease incidence and higher rates in areas of severe disease incidence. A maximum of 64 fl. oz. of AQUATROLS TRIADIMEFON may be applied per acre per season. A spreader-sticker is needed to help adhere spray solution to the pine trees. **DO NOT** apply AQUATROLS TRIADIMEFON on recent grafted scions until one year after grafting.	
Pine Seed (Nurseries) (Except California)	Fusiform rust (*Cronartium quercuum*)	2 oz.
	Apply specified dosage to 50 lb. of thoroughly wetted pine seeds in a commercial treater or other suitable tumbler apparatus. Allow to mix for at least 10 minutes before applying bird repellent or other seed dressing materials. Thoroughly air dry seed before sowing. **DO NOT** use treated seed for food or feed purposes.	

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container, in a secured, cool, dry place separate from food and feed. **DO NOT** store near heat or open flame. **DO NOT** store below 32 degrees Fahrenheit.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state Pesticide or Environmental Control Agency or the hazardous waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: [Nonrefillable Containers 5 Gallons or Less] Nonrefillable 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 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 or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration.

[Nonrefillable containers larger than 5 gallons] Non-refillable 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 1/4 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.

IMPORTANT INFORMATION
READ BEFORE USING PRODUCT
CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If the terms are not acceptable, **DO NOT** use the product and instead, return the unopened product container immediately. By using this product, you accept the following Conditions, Disclaimer of Warranties and Limitation of Liability.

For technical information, contact Aquatrols Corporation of America at 800-257-7797. Information regarding the contents and levels of metals in this product is available on the internet at www.aapfco.org/metals.html.

CONDITIONS: The directions for use on this label are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Insufficient performance or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions or good application practices, all of which are beyond the control of Aquatrols Corporation of America. In addition, failure to follow label directions may cause poor performance, injury to crop, animals, humans, or the environment. You assumed all such risks by using this product.

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[Optional Marketing Claims

- *Systemic (acropetal penetrant) fungicide*
- *Excellent control of dollar spot and 11 additional turf diseases*
- *Excellent preventative fairy ring control*
- *Curative control of dollar spot and other turf diseases for use during the growing season*
- *Systemic disease control of foliar, root, and soil diseases*
- *Perfect rotation partner for broad spectrum control*
- *Provides superior protection against dollar spot]*