



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 9, 2021

Michael Kellogg
Agent for Tide International, USA, Inc.
c/o Pyxis Regulatory Consulting Inc.
4110 136th St. Ct. NW
Gig Harbor, WA 98332

Subject: Notification per PRN 98-10 – Add Alternate Brand Name and Revise Label
Product Name: Tide Triadimefon 43 SC
EPA Registration Number: 84229-55
Application Date: August 10, 2021
Decision Number: 577884

Dear Mr. Kellogg:

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 will be placed in our records.

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 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) list 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, you may contact please contact Ernest Kraka at 7033478455 or by email at kraka.ernest@epa.gov.

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Sincerely,

A handwritten signature in black ink, reading "Shaja B. Joyner". The signature is written in a cursive style with a large initial "S" and a prominent flourish at the end.

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

{Note to reviewer: [Text] in brackets denotes optional text.}
{Note to reviewer: {Text} in braces denotes where in the final label text will appear.}
{BOOKLET FRONT PANEL LANGUAGE}

TRIADIMEFON	GROUP	3	FUNGICIDE
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Tide Triadimefon 43 SC

Turf and Ornamental Fungicide

[Systemic Fungicide]

[Alternate Brand Name: Tide Triadimefon 430SC]

For control of listed diseases on flowers; foliage plants; shrubs; shade trees; and turf grass including residential turf, sodfarm turf, golf courses, commercial lawns and grounds; gardens or parks; and interior landscapes.

ACTIVE INGREDIENT:

Triadimefon

1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1*H*-1,2,4-triazol-1-yl)-2-butanone: 43.0%

OTHER INGREDIENTS: 57.0%

TOTAL: 100.0%

This product contains 4.15 pounds active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

[See] [inside] [label] [booklet] [for] [First Aid][,] [additional] [Precautionary Statements][,] [and] [Directions for Use] [including] [Storage and Disposal] [instructions][.]

EPA Reg. No.: 84229-55

EPA Est. No.:

Manufactured For:

Tide International, USA, Inc.
21 Hubble
Irvine, CA 92618

Net Contents:

NOTIFICATION

84229-55

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:

09/09/2021

{LANGUAGE INSIDE BOOKLET}

FIRST AID	
If swallowed:	<ul style="list-style-type: none">• Immediately 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 in eyes:	<ul style="list-style-type: none">• 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.
If on skin or clothing:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for further 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 further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information on this pesticide product, including health concerns, medical emergencies, or pesticide incidents, you may call CHEMTREC® at 1-800-424-9300 , 24 hours per day, 7 days per week.	
NOTE TO PHYSICIAN	
Symptoms of Poisoning: The compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by hyperactivity followed by sedation. No specific antidote. Treat symptomatically.	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

All mixers, loaders, applicators, flaggers and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks, and
- Chemical-resistant gloves made of waterproof material such as barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, PVC ≥14 mils and Viton ≥14 mils when mixing/loading, when using handheld equipment or handheld nozzles,
- Chemical-resistant apron, when mixing/loading, or cleaning spills or equipment.

See engineering controls for additional requirements.

USER SAFETY REQUIREMENTS

Follow the 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 CONTROLS STATEMENT

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.

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:

- 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

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water 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.

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 or pets, 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 State or Tribal 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), notification to workers, 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 sodfarms 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 any waterproof material

NON-AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow others to enter until sprays have dried.

RESTRICTIONS

- Do not use clippings for animal feed.
- Do not use on crops grown for food or forage.
- **DO NOT APPLY THIS PRODUCT 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.**

Turfgrass

- Do not apply more than 2.7 lb ai/A (83 fl oz of product/A) per application.
- Do not apply more than 2.0 lb ai/A (62 fl oz of product/A) per application to residential lawns including lawns and turf sites associated with apartment buildings, day-care centers, playgrounds, playfields, recreational parks and elementary, middle and high schools.
- Do not apply more than 5.4 lb ai/A (166 fl oz of product/A) per year.
- Minimum retreatment interval is 14 days.
- Harvesting or transplanting turfgrass grown on sodfarms is prohibited for 17 days following application.
- Do not apply more than 5.4 lbs ai/A (equivalent to 2 applications of 83 fl oz/A) when applying multiple applications.
- Aerial application and chemigation to turf are permitted on sodfarm turfgrass only.
- Application to golf courses, including tees, greens, fairways, and roughs, is permitted only if the turfgrass is 2.5 inches or less in height.

Ornamentals

- The maximum application rate for ornamentals (including azaleas) at residential sites is 0.0025 lb ai/gal (0.077 fl oz of product).
- Use on azaleas is limited to applications to control pine-twisting rust disease.
- Chemigation is permitted for use on ornamentals and pine trees, including Christmas trees.
- Application with hose-end sprayers are permitted only for outdoor use on ornamentals. Use of hose-end sprayer equipment in greenhouses is prohibited.
- Application to trees that bear fruit or nuts is prohibited. Applications are permitted on non-bearing fruit or nut trees only.
- Edible portions of treated trees, such as nuts and syrup, must not be used for feed or food.

RESISTANCE-MANAGEMENT

For resistance management, Tide Triadimefon 43 SC contains a Group 3 fungicide. Any fungal/bacterial population may contain individuals naturally resistant to Tide Triadimefon 43 SC and other Group 3 fungicides/bactericides. A gradual or total loss of pest control may occur over time if these fungicides/bactericides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide/bactericide resistance, take the following steps:

- Rotate the use of Tide Triadimefon 43 SC or other Group 3 fungicides/bactericides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide/bactericides 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/bactericide 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/bactericide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal/bacterial 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 Tide International, USA, Inc. You can also contact your pesticide distributor or university extension specialist to report resistance.

APPLICATION: Tide Triadimefon 43 SC is absorbed rapidly and works systemically from within the plant. Good 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. Therefore, in order to achieve maximum control, plants should be maintained in a vigorously growing state through good cultural practices.

In all cases, apply when plants are fully established and actively growing. Applications must be made at prescribed intervals to maintain disease control.

This product cannot be mixed with any product containing a label prohibition against such mixing.

For Residential and commercial turf sites apply product with spray equipment such as back pack sprayer, hand pump sprayer, tank and hand-held spray gun, boom sprayer, and or ride-on sprayer.

For Residential and commercial ornamental Landscapes apply product with spray equipment such as back pack sprayer, hand pump sprayer, tank and hand-held spray gun or wand.

For Noncommercial Greenhouse and Interior Ornamental Plantscapes apply product with spray equipment such as back pack sprayer, hand pump sprayer, tank and hand-held spray gun or wand.

USE IN CHEMIGATION SYSTEMS ON SODFARM AND ORNAMENTALS ONLY

Apply Tide Triadimefon 43 SC only through solid set irrigation systems. Do not apply this product through any other type of irrigation system.

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 Tide Triadimefon 43 SC, as determined under “Prescribed Applications”, 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 the product. The injection must occur during the last 5 minutes of the irrigation cycle.

Spray Drift Requirements (Groundboom and Aerial Application)

1. For groundboom and aerial applications, use only medium or coarser spray nozzles according to ASABE (S572) definition for standard nozzles. Aerial applicators must consider flight speed and nozzle orientation in determining droplet size.
2. Make aerial or ground applications when the wind velocity is 3 to 10 mph. Do not apply when the wind speed is greater than 10 mph. For all non-aerial applications, wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.
3. Do not make aerial or ground applications into temperature inversions.
4. For groundboom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy.
5. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize spray loss over the top in tree applications, spray must be directed into the canopy.
6. For aerial application use 2-4 gal/A spray volume.
7. For aerial applications, do not release spray at a height greater than 10 feet above the ground or plant canopy.
8. For aerial applications, the outermost nozzles must not exceed 60% of the wingspan or 80% of the rotor blade diameter.
9. When aerial applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.
10. Harvesting or transplanting turfgrass grown on sodfarms is prohibited for 17 days after application.

Turfgrass Application Directions

Tide Triadimefon 43 SC can be tank-mixed with ProStar® 70 WDG for use on turf in accordance with the more (most) restrictive of label limitations and precautions. Do not exceed the label’s dosage rates.

DIRECTED APPLICATIONS – TURFGRASS DISEASE CONTROL			
DISEASE	FL OZ of Tide Triadimefon 43 SC per 1,000 SQ FT*		APPLICATION INSTRUCTIONS
	Preventive	Curative	
Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	0.25	-	PREVENTIVE RATE (EXCEPT CALIFORNIA): Apply prescribed rate on 14 day intervals. Protective activity of Tide Triadimefon 43 SC may extend for as long as 30 days dependent upon environmental conditions.
	0.5	-	PREVENTIVE RATE: Apply prescribed rate at 30 day intervals. Protective activity of Tide Triadimefon 43 SC may extend for as long as 60 days, depending upon environmental conditions.
	-	1	CURATIVE RATE: To control existing infections, apply the curative rate. Apply subsequent applications on a preventive schedule and rate.
Fairy Ring (For Residential lawns** do not exceed 1.4 fl oz of product/1,000 sq ft)	1.0 to 1.9	-	PREVENTIVE 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 to 28 days

DIRECTED APPLICATIONS – TURFGRASS DISEASE CONTROL			
DISEASE	FL OZ of Tide Triadimefon 43 SC per 1,000 SQ FT*		APPLICATION INSTRUCTIONS
	Preventive	Curative	
			later. If the 1.9 fl oz rate is used on Poa annua putting greens, extend the interval to 21 to 28 days.
Brown Patch/Rhizoctonia Blight (<i>Rhizoctonia solani</i>)— Suppression Copper Spot (<i>Gloeocercospora sorghi</i>) Corticium Red Thread (<i>Laetisaria fuciformis</i>) Powdery Mildew (<i>Erysiphe graminis</i>) Rusts (<i>Puccinia spp.</i>)	0.5	1	PREVENTIVE RATE: Apply at 15 to 30 day intervals. When environmental conditions favor light to moderate disease development, use a longer interval. Protective activity of Tide Triadimefon 43 SC can be greater than 30 days depending on environmental conditions. CURATIVE RATE: To control existing infections, apply the curative rate. Apply subsequent applications on a preventive schedule and rate.
Brown Patch/Rhizoctonia Blight (<i>Rhizoctonia solani</i>)—For tank mixing with ProStar® 70 WDG	0.5	0.5	PREVENTIVE RATE: Tank-mix with ProStar® 70WDG and apply on a 21 to 28 day schedule. Follow use directions and restrictions on ProStar® 70 WDG label with tank-mixing. CURATIVE RATE: To control existing infections, tank-mix Tide Triadimefon 43 SC with the curative rate of ProStar® 70 WDG. Subsequent applications must be applied on a preventive schedule using the preventive rate of ProStar® 70 WDG.
Anthracnose (<i>Colletotrichum graminicola</i>)	1	-	PREVENTIVE RATE: Apply at 30 day intervals for seasonal control. Depending upon environmental conditions, residual control may be extended to 45 days.
	-	1	CURATIVE RATE: To control existing infections, apply the curative rate. Apply subsequent applications on a preventive schedule and rate.
Southern Blight (<i>Sclerotium rolfsii</i>) (For Residential lawns** do not exceed 1.4 fl oz of product/1,000 sq ft)	0.5 to 1.9	1.9	PREVENTIVE: 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: To control existing infections, apply 1.9 fl oz at 14 to 28 day intervals for the initial 2 to 3 treatments followed by 0.5 to 1 fl oz at 14 to 28 day intervals.

DIRECTED APPLICATIONS – TURFGRASS DISEASE CONTROL			
DISEASE	FL OZ of Tide Triadimefon 43 SC per 1,000 SQ FT*		APPLICATION INSTRUCTIONS
	Preventive	Curative	
Bermudagrass decline (<i>Gaeumannomyces graminis</i> var. <i>graminis</i>) Take all patch (<i>Gaeumannomyces graminis</i> var. <i>avenae</i>) (Except California) (For Residential lawns** do not exceed 1.4 fl oz of product/1,000 sq ft)	1 to 1.9	1.9	Immediately after the fungicide is applied, thoroughly irrigate the area to move the active ingredient down into the crown and root zone of the turf. The amount of water is dependent on the depth of the root zone. The objective is to water the fungicide into the crown and root zone. PREVENTIVE: 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: 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. Implement cultural control practices such as aerification, topdressing, reseeding, and fertilization prior to or at the same time the fungicide is applied. Refer to your local County Extension Service for this information.
*Note: Apply the specified amount of Tide Triadimefon 43 SC using 2 to 4 gal of spray per 1,000 sq ft. 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.			

DIRECTED APPLICATIONS – TURFGRASS DISEASE CONTROL			
DISEASE	FL OZ of Tide Triadimefon 43 SC per 1,000 SQ FT*		APPLICATION INSTRUCTIONS
	Preventive Rates Only		
Gray Leaf Spot	0.5 to 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, Tide Triadimefon 43 SC may be tank mixed with a registered contact fungicide at label rate.
Stripe Smut (<i>Ustilago striiformis</i>)	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 (<i>Fusarium culmorum</i>) (<i>Fusarium poae</i>) Summer Patch (<i>Magnaporthe poae</i>) (For Residential lawns** do not exceed 1.4 fl oz of product/1,000 sq ft)	1 to 1.9		Apply first application in the Spring, 30 to 60 days before initial symptoms normally appear.
Zoysia patch, Large patch of zoysia (<i>Rhizoctonia solani</i>) (For Residential lawns** do not exceed 1.4 fl oz of product/1,000 sq ft)	1 to 1.9		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.

DIRECTED APPLICATIONS – TURFGRASS DISEASE CONTROL		
DISEASE	FL OZ of Tide Triadimefon 43 SC per 1,000 SQ FT*	APPLICATION INSTRUCTIONS
	Preventive Rates Only	
Gray Snow Mold/ Typhula Blight (<i>Typhula incarnata</i>) (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, make a second application. Do not apply over snow cover, or when turf is dormant.
Pink Snow Mold/ Fusarium Patch (<i>Microdochium nivalis</i>) (Except California) (For Residential lawns** do not exceed 1.4 fl oz of product/1,000 sq ft)	1 to 1.9	Apply before conditions favorable for infection occur. Re-apply 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.
<p>*Note: Apply the specified amount of Tide Triadimefon 43 SC using 2 to 4 gal of spray per 1,000 sq ft. Make all applications after mowing and allow foliage to dry thoroughly before irrigation. Do not use clippings for animal feed.</p> <p>**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.</p>		

ORNAMENTAL PLANT DISEASE CONTROL

Locate plant(s) (see below) to be treated. Cross reference the number/letter codes, following the plant name, to the specific diseases (see below) controlled. Refer to Application Rates section for instructions detailing use for each disease. In California, only those plants marked with an asterisk may be treated.

PLANTS			DISEASES
Flowering & Foliage Plants (Outdoor)	Ornamental Shrubs & Trees	Shade Trees	(1) Flower Blight a. <i>Ovulinia</i> spp. [A] b. <i>Sclerotinia</i> spp. [A] c. <i>Collectotrichum</i> [A] (2) Leaf Blight/Spots a. <i>Cephalosporium</i> spp. [C] b. <i>Cerocospora</i> spp. c. <i>Didymellina</i> spp. [B] d. <i>Didymascella thujina</i> [G] e. <i>Entomosporium</i> spp. [C] f. <i>Exobasidium</i> spp. [E] (3) Powdery Mildew a. <i>Erysiphe</i> spp. b. <i>Microsphaera</i> spp. c. <i>Oidium</i> spp. d. <i>Podosphaera</i> spp. e. <i>Phyllactinia</i> spp. f. <i>Sphaerotheca</i> spp. g. <i>Uncinula</i> spp. (4) Rusts a. <i>Coleosporium</i> spp. b. <i>Cronartium</i> spp. [B] (Fusiform) c. <i>Gymnosporangium</i> spp. d. <i>Melampsora</i> spp. [F] e. <i>Melampsora farlowii</i> [A] f. <i>Melampsoridium</i> spp. g. <i>Peridermium</i> spp. [B] h. <i>Phragmidium andersonii</i> i. <i>Puccinia</i> spp. j. <i>Uromyces</i> spp. k. <i>Uredinopsis mirabilis</i> [A] (5) Tip Blight a. <i>Sirococcus strobilinus</i> [B]
Ageratum (2b,3,4) Aster (4) Begonia* (3) Canna (4) Carnation (3,4) Chrysanthemum (3,4) Dahlia (3) Delphinium (3) Dendrobium (1c)—HI only Dianthus (4) Four O'Clock (4) Geranium* (3,4) Hollyhock* (3,4) Hydrangea (3) Iris* (2c) Marigold (2b,4) Nephthytis* (2a) Pansy (3,4) Petunia (3,4) Phlox (2b,3,4) Poinsettia (3) Rose* (3) Salvia (3,4) Sedum (3) Snapdragon* (3,4) Sunflower (3,4)—ornamental only Sweet peas* (3) Zinnia* (2b,3)	Amelanchier (3) Azalea* (1a, 2f, 3) Barberry (3,4) Buckthorn (4) Camellia (suppression of 1b) Cedar* (2d) Crabapple, flowering (3,4) Crape myrtle* (3) Dogwood (3) Euonymus* (3) Gardenia (3) Hawthorn (3,4) Hemlock (4e) Holly (3) Juniper (4) Leucothoe (2b) Lilac (3) Mock-Orange (3,4) Mountain Laurel (1a, 2b, 3) Ninebark (3) Paulownia (3) (Empress Tree) Pear, flowering (3) Photinia (2e,3,4) Potentilla (Cinquefoil) (4) Privet (2b,3) Pyracantha (3) Rhododendron (1a,2b,3) Spirea (3) Viburnum* (3,4) Vitex (Chaste Tree) (2b)	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)	
		Flowering & Foliage Plants (Greenhouse [D])	
		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) <i>Desmella</i> spp. Geranium* (3,4) Gerbera (3) Grape Leaf Ivy* (3) Hydrangea (3) Kalanchoe (3) Poinsettia (3) Rose* (3) Snapdragon (3,4)	

Application with hose-end sprayers are permitted only for outdoor use on ornamentals. Use of hose-end sprayer equipment in greenhouses is prohibited.

The maximum application rate for ornamentals (including Azaleas) at residential sites is 0.0025 lb ai/gal (0.077 fl oz of product).

Chemigation is permitted for use on ornamentals and pine trees, including Christmas trees.

APPLICATION RATES: Except as noted for specific diseases, mix 5.5 fl oz of Tide Triadimefon 43 SC in 275 to 550 gal of water and apply as a full coverage foliage spray to the point of drip as needed.

[A] Mix 5.5 fl oz of Tide Triadimefon 43 SC 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.

- [B] Mix 5.5 fl oz of Tide Triadimefon 43 SC 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] Mix 5.5 fl oz of Tide Triadimefon 43 SC 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] Greenhouse Applications**
Winter Use – 0.5 fl oz of Tide Triadimefon 43 SC in 50 gal of water *OR* 5.5 fl oz in 550 gal of water.
Summer Use – 1 fl oz of Tide Triadimefon 43 SC in 50 gal of water *OR* 5.5 fl oz in 275 gal of water.
Mix specified amount of Tide Triadimefon 43 SC 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.
- [E] For control of *Exobasidium* flower and leaf gall, apply 5.5 fl oz of Tide Triadimefon 43 SC in 275 gal of water. Begin application at bud break and apply at 10 day intervals through infestation period.
- [F] 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.
- [G] 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 of water applied as a full coverage spray to ornamentals. Begin applications before disease appears in spring, and repeat at 60 day intervals through early fall.

COMPATIBILITY: Tide Triadimefon 43 SC is compatible with many registered insecticides and fungicides. To determine the compatibility of Tide Triadimefon 43 SC specific products, conduct the following procedure. Pour the directed 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.

SPRAY ADDITIVES: Spray additives such as 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 Tide Triadimefon 43 SC may affect the result. Contact local university extension personnel prior to use of spray mix additives.

DIRECTED APPLICATIONS—CONIFER DISEASE CONTROL		
PLANT	DISEASES	RATE
Christmas trees—except Concolor Fir	Stem and Cone Rusts <i>Cronartium</i> spp. (Fusiform) <i>Peridermium</i> spp. <i>Endocronartium Harknessii</i> (Gall) Tip blight <i>Sirococcus strobilinus</i> Lophodermium Needlecast <i>Lophodermium pinestri</i>	8 fl oz/A
	<p>Apply specified dosage per acre or per 100 gal 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 advised. Time applications appropriately for the specific disease being controlled. A maximum of 64 fl oz of Tide Triadimefon 43 SC may be applied per acre per year.</p> <p>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.</p> <p>For tip blight, begin applications to coincide with bud break. Make two additional applications at 14 day intervals.</p> <p>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.</p>	
Pine—seedlings Except California	Pine Rust (Fusiform rust)	4 to 16 fl oz/A
	<p>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 Tide Triadimefon 43 SC may be applied per acre per season. A spreader-sticker is needed to help adhere spray solution to the pine trees. Do not apply Tide Triadimefon 43 SC on recent grafted scions until one year after grafting.</p>	
Pine Seed—nurseries Except California	Fusiform rust <i>Cronartium quercuum</i>	2 fl oz
	<p>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.</p>	
Chemigation is permitted for use on ornamentals and pine trees, including Christmas trees.		

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Do not store below freezing (32°F).

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Material that cannot be used as directed should be disposed of according to state and local solid waste agency disposal regulations. Contact your local solid waste disposal agency for directions. In spill or leak incidents, keep unauthorized people away.

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

CONTAINER HANDLING:

[Non-refillable plastic container ≤5 gal:] 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 reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

[Non-refillable plastic container >5 gal:] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty 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 reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

Tide International, USA, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Tide International, USA, Inc., and Buyer and User assumes the risk of any such used. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, TIDE INTERNATIONAL, USA, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product in the event of ineffectiveness or other unintended consequences that may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Tide International, USA, Inc. or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Tide International, USA, Inc. and Seller harmless for any claims relating to such factors.

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