

60063-46

2/11/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Jennifer Yentel
Registration Manager
Sipcam Agro USA, Inc.
2525 Meridan Parkway, Suite 350
Durham, NC 27713

FEB 11 2014

Subject: Sipcam Clearscape ETQ Turf Fungicide
EPA Registration No. 60063-46
Your resubmission amendment dated January 16, 2014
Decision No. 482377

Dear Ms. Yentel:

The label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable. One copy of the label stamped "Accepted" is enclosed for your records. You must submit one (1) copy of the final printed label before you release the product for shipment. Products released for shipment after eighteen (18) months from the date of this letter must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions. If you have any questions, please contact Tamue L. Gibson by phone at (703) 305-9096 or via email at gibson.tamue@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Hope A. Johnson".

Hope A. Johnson
Product Manager (21)
Fungicide Branch
Registration Division (7504P)

Enclosure: Label stamped "Accepted"



SIPCAM AGRO USA, INC.

Sipcam Clearscape ETQ Turf Fungicide

Alternate Brand Name: Sipcam Clearscape Turf and Ornamental Fungicide

GROUP	3	FUNGICIDE
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For Control of Listed Diseases on Golf Course Turf and Ornamental Plants.

Active Ingredients:

Tebuconazole {alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1,-dimethylethyl)-1H-1,2,4-triazole-1-ethanol} 38.7%

Other Ingredients: 61.3%

Total: 100.0%

Contains 3.6 pounds tebuconazole per gallon.

Keep Out of Reach of Children

CAUTION

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have affected person sip a glass of water if able to swallow. • Do not induce vomiting unless told 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 15-20 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 mouth to mouth if possible. • Call a poison control center or doctor for further treatment advice.
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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
Emergency phone numbers	(800) 858-7378 NPIC (human and animal health) (800) 424-9300 CHEMTREC (transportation and spills)
NOTE TO PHYSICIAN: No specific antidote. Treat symptomatically. This product may be a dermal sensitizer.	

Manufactured for:
Sipcam Agro USA, Inc.
2525 Meridian Parkway, Suite 350
Durham, NC 27713

EPA Reg. No. 60063-46

EPA Est. No. [REDACTED]

Net Contents: [REDACTED] Gallons

ACCEPTED
FEB 11 2014

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 60063-46

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE)

Some materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

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

USER SAFETY RECOMMENDATIONS

Users should:

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

Ground Water 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 ground-water contamination.

Surface Water Advisory: This product may contaminate water through drift of spray in wind. 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 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 this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours. This pesticide is toxic to estuarine and marine 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.

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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 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 (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

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

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

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

NON-AGRICULTURAL USE REQUIREMENTS

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

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

Restrictions

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

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 aquatic areas listed above.
- Do not cultivate within 10 feet of an aquatic area to allow growth of a vegetative filter strip.

Spray-drift management:

Make 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 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.

Mixing: Dilute this product into water, then apply by means of spraying equipment which is properly engineered and calibrated to deliver uniform deposit onto surfaces of the crops which are approved for use of this product. Add specified amount of this product into the mixing tank while filling with water to the desired level. Operate the agitator while mixing. If other materials are added to the mixing and/or sprayer tank, this product should be thoroughly dispersed into the water carrier prior to the addition of other materials.

Compatibility:

- To determine the physical compatibility of this product with other products, the following procedure should be followed: Pour the specified proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least five (5) minutes. If the combination remains uniformly mixed or can be re-mixed readily, the mixture is considered physically compatible.
- Biological compatibility, i.e. effectiveness for disease control or lack of phytotoxicity, must be determined on a case-by-case basis. Do not mix this product with any other pesticide, fertilizer, adjuvant or any other materials except water unless you know that such mixtures will be effective and non-injurious to your crop under your

conditions of use. When an adjuvant is to be used with this product, Sipcam Agro USA, Inc. recommends the use of a Chemical Producers and Distributors Association (CPDA) certified adjuvant.

Application: Apply this product in a minimum of 66 gallons of water per acre (1.5 gallons per 1000 sq ft.) by ground sprayer. 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 for complete turf coverage, increase the volume rate of water carrier. Apply using properly calibrated low volume, hand held, mechanical or motorized ground broadcast equipment. Small area applications may be made with low-pressure hand-wand or backpack sprayers. Maintain constant agitation during application. Make all applications after mowing and allow foliage to dry thoroughly before irrigation.

Resistance Management Information:

The active ingredient in this product is a member of the DMI (Demethylation Inhibitor) fungicide group (FRAC grouping 3) and exhibits no known cross-resistance to other products with the same mode of action when used repeatedly in the same location or in successive years as the primary method of control for targeted diseases. Because the speed and scope of resistant population development can not be predicted, the use of this product should conform to resistance management strategies established for the target species and use areas. Such strategies may include the rotation and/or tank mixing with products utilizing different modes of action or limiting the number of applications per year. Consult your local university or extension specialist and/or the manufacturer for resistance management recommendations.

Disease Control in Golf Course Turf

Use Restrictions:

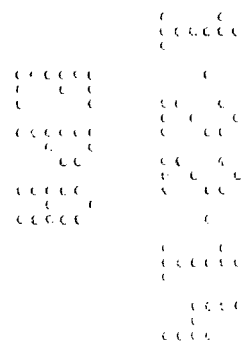
- For use only on golf course turf.
- Do not apply more than 3.6 oz of this product per 1,000 sq. ft. per year.
- Do not apply more than 6 applications per year.
- Do not apply more than 3 applications per year in New York State.**
- Do not use on home lawns and turf sites associated with apartment buildings, 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 enter or allow others to enter treated areas until sprays have dried.

Prevention and Control of Golf Course Turf Diseases

For use on both cool season and warm season turf grasses including, Bentgrasses, Bluegrasses, Fescues, Ryegrasses, St. Augustine grasses and Zoysia, and their mixtures. When used in accordance with the label, this product is not phytotoxic to any of the referenced grass species.

When treating Bermudagrass: **Do not** make consecutive applications during, or just after, dormancy break; **Do not** make applications when temperatures in excess of 85°F are anticipated.

Initiate preventative treatments when disease conditions become evident and repeat applications on a 21 day schedule as long as the adverse conditions persist. When treating golf greens, always treat aprons and approaches.



Disease Control

For all listed diseases, apply 0.6 - 1.1 fl oz of this product per 1,000 sq. ft. in 1.5 to 3.0 gallons water. Make no more than 6 applications per year.

DISEASES	APPLICATION DIRECTIONS
Dollar Spot (<i>Sclerotinia homoeocarpa</i>) Copper Spot (<i>Gloeocercospora sorghi</i>) Powdery Mildew (<i>Erysiphe graminis</i>) Corticium Red Thread (<i>Laetisaria fuciformis</i>) Rusts (<i>Puccinia</i> spp.) Brown Patch/Rhizoctonia Blight, Large Patch (<i>Rhizoctonia solani</i>) Brown Ring Patch (<i>R. circinata</i>) Anthracnose - Basal and Foliar (<i>Colletotrichum cereale</i>) Red Thread (<i>Laetisaria fuciformis</i>) Pink Patch (<i>Limonomyces rosipellis</i>)	For prevention, begin applications when conditions are favorable for disease development. Do not make two consecutive applications of this product or another fungicide containing the active ingredient tebuconazole. Alternate with another fungicide with a different mode of action. A second application may be made after 21 days.
Bermudagrass decline (<i>Gaeumannomyces graminis</i> var. <i>graminis</i>)	For prevention, begin applications two or four weeks prior to the historical appearance of disease symptoms. Make two applications at the low to medium rate, 21 days apart or one application at the higher rate. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and root zone of the turf. The amount of water is dependent on the depth of the root zone. Alternate with another fungicide with a different mode of action as needed. Initiate cultural control practices at the same time the fungicide is applied. Refer to your local County Extension Service for this information.
Take All Patch (<i>Gaeumannomyces graminis</i>)	For prevention, make two applications at the low rate, 21 days apart, or one application at high rate in the fall when soil temperatures reach 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>)	For prevention, apply when conditions are favorable for disease development using the low to medium rate. Under conditions favoring moderate to heavy disease pressure, use the medium to high rate and tank mix this product with a registered contact fungicide at the label rate. Do not make two consecutive applications of this product or another fungicide containing the active ingredient tebuconazole. Alternate with another fungicide with a different mode of action. A second application may be made after 21 days.
Stripe Smut (<i>Ustilago striiformis</i>)	Make a single application to historical disease areas in spring as grass growth begins.
Spring Dead Spot (<i>Leptosphaeria korrea</i> , <i>L. narmari</i> , <i>Ophiosphaerella herpotricha</i> , <i>Gaeumannomyces graminis</i>) Necrotic Ring Spot (<i>Leptosphaeria korrea</i>)	For prevention, make two applications at the low to medium rate 21 days apart or one application at the high rate in fall when soil temperature reach 65°F and again in spring under similar soil temp conditions, or after dormancy break. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and active root zone of the turf. The amount of water is dependent on the depth of the root zone.

DISEASES	APPLICATION DIRECTIONS
Fusarium Patch (<i>Fusarium roseum</i>)	Apply first application in mid-June or 14 - 28 days prior to time this blight normally becomes evident. 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. Alternate with another fungicide with a different mode of action. A second application may be made after 21 days.
Summer Patch (<i>Magnaporthe poae</i>)	Apply beginning in the spring. Do not make two consecutive applications of this product or another fungicide containing the active ingredient tebuconazole. Alternate with another fungicide with a different mode of action. Make additional applications at 21 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>)	Make first application in early fall (mid-September to mid-October) prior to development of disease symptoms. Alternate with another fungicide with a different mode of action. Second and third applications may be made at 21-day intervals. An additional 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>)	Apply in the fall, before anticipated turf dormancy and before first snow cover. If turf breaks dormancy during winter months a second application may be made. Do not apply over snow cover, or when turf is dormant. It is recommended that this product be tank-mixed with other registered snow mold products for best season long results.
Fairy Ring (<i>Chlorophyllum (Lepiota), Lycoperdon, Marasmius spp.</i>)	For prevention in Cool season turf, make two applications at the low to 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 two consecutive applications of this product or another fungicide containing the active ingredient tebuconazole. Alternate with another fungicide with a different mode of action. Use a wetting agent under hydrophobic soil conditions.

Disease Control in Field, Nursery and Container Ornamentals and Commercial and Residential Landscapes

Ornamental Use Restrictions

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

Intended only for use by professional applicators.

Do not apply more than 10 fl oz per acre as a single application.

Do not apply more than 0.31 gallons (40 fl oz) of Sipcam Clearscape ETQ Turf Fungicide (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

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

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

Ornamentals Disease Control

PLANTS	DISEASE	APPLICATION	
		To Prevent Diseases	To Treat Existing Diseases
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, Camellas, 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 the 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.			

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.

