

432-1336

8/7/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Richard Gorrell
Bayer Environmental Science
2 T.W. Alexander Drive
Raleigh, NC 27709

AUG 7 2009

Subject: Bayleton 1% Granular Turf and Sod Production Fungicide
EPA Registration No. 432-1336
New outdoor use application for reinstating triadimefon on residential turf associated with the Decision #391168, dated March 11, 2008

Dear Mr. Gorrell:

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, has been reviewed. The label is acceptable provided that the conditions herein are observed in a revised final printed label, and resubmitted to the Agency within 45 days of the date on this letter. A copy of the label stamped "Accepted with Comments" is enclosed.

A. Make the following changes to the label:

1. On the front panel of the label, under the product name, insert in bold font "**This product is intended for professional use only.**"
2. Correct the inconsistently sized bullets, on page 2, in the section "**Mixers loaders, applicators...must wear.**"
3. For the section "User Safety Recommendations," on page 2, correct the misaligned final sentence in the third bullet.
4. Under the 'Directions for Use' section for 'Golf Course and Sodfarm Turfgrass' on page 3, insert "***Application to golf courses, including tees, greens, fairways, and roughs, is permitted only if the turfgrass is 2.5 inches or less in height." Ensure these asterisks or an equivalent for the above (use-site specific) guidance correctly corresponds with '***Golf Course'.
5. On page 3, wherever 'should' is used, change to 'must' so that the product guidance is presented in a more deliberate manner.

2008

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Bayleton 1% Granular Turf and Sod Production Fungicide
EPA Registration No. 432-1336

6. Similarly, instead of ‘...recommended intervals’ which appears on page 3, revise the sentence to read “Applications must be made at prescribed intervals to maintain disease control.”
7. Delete “schools (i.e.,” and the closing “) ” from pages 3 and 5.
8. Instead of “Recommended Applications for Turf Grass Disease Control” on page 4, change the heading to read “Prescribed Applications for Turf Grass Disease Control.”
9. In the above table’s ‘Remarks’ column, change “recommended rate” to “prescribed rate.”
10. Wherever ‘recommended’ is used on the label it must be replaced with ‘prescribed’.
11. On page 5, after ‘Note: Apply the specified...amount of product per 1,000 sq ft’ delete the remaining sentences and use: "Mow the turf area and then apply product when turf is dry. After application and before the next mowing, water-in the product using a minimum of 0.25 inch of water or equivalent rainfall. For residential lawns, the applicator must notify the property owner or manager of the watering-in requirement. **Do not allow reentry into treated residential turf areas until watering-in has been completed, and the turf is dry.** 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.”

B. Data Requirement:

On or by August 1, 2011, submit to the Agency an acceptable Immunotoxicity Study (GLN 870.7800).

If you have any questions, please contact Bryant Crowe by phone at (703) 305-0025 or via email at crowe.bryant@epa.gov.

Sincerely,

John B. Benjamin, Jr.
for

Tony Kish
Product Manager (22)
Fungicide Branch
Registration Division (7505P)

Enclosure

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Bayleton® 1%

Granular Turf and Sod Production Fungicide

For control of certain diseases in turfgrass and sod farms.

ACTIVE INGREDIENT:

Triadimefon 1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone..... 1%

OTHER INGREDIENTS: 99%

..... 100%

EPA Reg. No. 432-1336

EPA Est. No.

STOP - Read the label before use.
Keep out of reach of children.
CAUTION

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577
 For PRODUCT USE Information Call 1-800-331-2867

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • 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.
<p>In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	
<p>Note To Physician: No specific antidote. Treat symptomatically.</p>	
<p>Symptoms of poisoning: The compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by hyperactivity followed by sedation.</p>	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled, or absorbed through the skin. Causes moderate eye irritation. Avoid breathing vapor, or dust. Avoid contact with skin, eyes or clothing.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils. If you want more options, follow the instructions for Category C on an EPA chemical-resistance category selection chart.

ACCEPTED
with COMMENTS
In EPA Letter Dated

AUG 7 2009

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

-432-1336

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

- Long-sleeved shirt and long pants,
- Shoes plus socks, and
- Chemical-resistant gloves, such as neoprene, butyl rubber, barrier laminate or nitrile rubber when loading.

See engineering controls for additional 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 CONTROLS

Pilots must use an enclosed cockpit in a manner that is consistent with the WPS for Agricultural Pesticides [40 CFR170.240(d)(6)]. Pilots must wear the PPE required on this labeling for applicators.

User Safety Recommendations:

Users should:

- Users should wash hands 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 directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not contaminate water when disposing of equipment washwater 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.

This chemical has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water 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 agency responsible for pesticide regulation.

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 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 waterproof material

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GOLF COURSE AND SODFARM TURFGRASS

APPLICATION: BAYLETON® 1% Granular Turf and Sod Production Fungicide is absorbed rapidly and works systemically from within the plant. Rainfall or sprinkler irrigation soon after application will assure rapid systemic uptake. Control will be less effective on turf suffering from drought stress. Therefore, in order to achieve maximum control, plants should be maintained in a vigorously growing state through good cultural practices.

Apply when the turf is fully established and actively growing. Applications should be applied at recommended intervals to maintain disease control.

Do not use on crops grown for food or forage.

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

Restrictions

Maximum single application rate is 2.7 lbs ai/A.

Maximum annual application rate is 5.4 lbs ai/A.

Minimum retreatment interval is 14 days.

RESIDENTIAL LAWNS

Use on Residential Lawns is limited to home lawns and turf sites associated with apartment buildings, day-care centers, playgrounds, playfields, recreational parks and schools (i.e., elementary, middle and high schools).

Restrictions

The maximum single application rate is 2.0 lb ai/A.

Maximum annual application rate is 5.4 lbs ai/A.

Minimum retreatment interval is 14 days.

DO NOT APPLY THIS PRODUCT IN A WAY THAT WILL CONTACT ANY PERSON OR PET, EITHER DIRECTLY OR THROUGH DRIFT. KEEP PEOPLE AND PETS OUT OF THE AREA DURING APPLICATION.

RECOMMENDED APPLICATIONS TURF GRASS DISEASE CONTROL			
DISEASE	LB OF BAYLETON® 1% Granular Turf and Sod Production Fungicide PER 1,000 SQ FT		REMARKS
Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	Preventative 1.5	Curative ----	PREVENTATIVE RATE: Apply recommended rate on 30-day intervals. Protective activity of BAYLETON® 1% Granular Turf and Sod Production Fungicide may extend for as long as 60 days dependent upon environmental conditions.
	0.75	----	PREVENTATIVE RATE: Apply recommended rate on 14-day intervals. Protective activity of BAYLETON® 1% Granular Turf and Sod Production Fungicide may extend for as long as 30 days dependent upon environmental conditions.
	----	3	CURATIVE RATE: To control existing infections, apply the curative rate. Re-application should be no closer than 14-days. When infections have been controlled, refer to the preventative rate schedule for rates and timing.
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>Epypispe graminis</i>) Rusts (<i>Puccinia</i> spp)	1.5	3	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 BAYLETON® 1% Granular Turf and Sod Production Fungicide can be greater than 30 days depending on environmental conditions. CURATIVE RATE: To control existing infections, apply the curative rate. Re-application should be no closer than 14-days. When infections have been controlled, refer to the preventative rate schedule for rates and timing.
Anthracnose (<i>Colletotrichum graminicola</i>)	3	----	PREVENTATIVE RATE: Apply at 30-day intervals and repeat as necessary for seasonal control. Dependent upon environmental conditions, residual control may be extended to 45 days.
	1.5	----	PREVENTATIVE RATE: Apply at 21-day intervals and repeat as necessary for seasonal control. Dependent upon environmental conditions, residual control may be extended to 30 days.
	----	3	CURATIVE RATE: To control existing infections, apply the curative rate. Re-application should be no closer than 14-days. When infections have been controlled, refer to the preventative rate schedule for rates and timing.

DISEASE	LB OF BAYLETON® 1% Granular Turf and Sod Production Fungicide PER 1,000 SQ FT	REMARKS
Stripe Smut (<i>Ustilago striiformis</i>)	Preventative Rates Only 3	Make a single application in spring as grass growth begins.
Fusarium Blight (<i>Fusarium culmorum</i>) (<i>Fusarium poae</i>) Summer Patch (<i>Magnaporthe poae</i>) (Except California)	3	Apply first application in mid-June or 30 days prior to time this blight normally becomes evident. Applications should be made on 30-day intervals.
Fusarium Blight (<i>Fusarium culmorum</i>) (<i>Fusarium poae</i>) Summer Patch (<i>Magnaporthe poae</i>) (California only)	3 to 6 (For Residential lawns* do not exceed 4.6 lbs of product/1,000 sq ft.)	Apply first application in mid-June or 30 days prior to time this blight normally becomes evident. Applications should be made at the 3 lb rate on 15 day intervals or at the 6 lb rate on 30-day intervals.
Zoysia patch, Large patch of zoysia (<i>Rhizoctonia solani</i>)	3 to 6 (For Residential lawns* do not exceed 4.6 lbs of product/1,000 sq ft.)	Make first application in early fall (mid-September to mid-October) prior to development of disease symptoms. A second application in early spring may be necessary in areas where disease pressure is known to be heavy.
Gray Snow Mold/Typhula Blight (<i>Typhula incarnata</i>) (Except California)	6 (Do not use on Residential lawns.)	Apply in the fall, 30 days prior to turf dormancy. If turf breaks dormancy during winter months a second application should be made. Do not apply over snow cover, or when turf is dormant.
Pink Snow Mold/Fusarium Patch (<i>Microdochium nivale</i>) Southern Blight (<i>Sclerotium rolfsii</i>) (Except California)	3 to 6 (For Residential lawns* do not exceed 4.6 lbs of product/1,000 sq ft.)	Apply before conditions favorable for infection occur. Reapplication should 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.
<p>NOTE: Apply the specified amount of BAYLETON® 1% Granular Turf and Sod Production Fungicide with a standard granular applicator accurately calibrated to uniformly apply recommended amount of product per 1,000 sq ft. Make application when turf is dry and following the mowing operation. Do not mow until a minimum of 0.25 inch of water has been applied to treated area. 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 schools (i.e. elementary, middle and high schools).</p>		

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.

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 as directed below. In spill or leak incidents, keep unauthorized people away. For Medical and Transportation Emergencies Only Call 24 hours a Day 1-800-334-7577. For Product Use Information Call 1-800-331-2867.

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

Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

PRODUCED FOR

**Bayer Environmental Science
A Business Group of Bayer CropScience LP
2 T. W. Alexander Drive
Research Triangle Park, NC 27709**

Bayleton 1% Granular Turf and Sod Production Fungicide (PENDING) 12/09/08, resubmit 01/16/09