

8378-55

5/27/2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL, SAFETY
AND POLLUTION PREVENTION

Robert F. Bischoff
Agent for Knox Fertilizer Company
c/o Total Turf Consulting LLC
26 A. A. Cooper Rd
Meigs, GA 31765

MAY 27 2011

Dear Mr. Bischoff:

Subject: Labeling Amendment to "Shaws Fungicide 100 Contains Bayleton"
EPA Registration No. 8378-55
Decision No. 448932
Submission Date: April 26th, 2011

The labeling referred to above, submitted under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended to add residential turf use, is acceptable provided you make the following changes:

1. Pg 2 – Delete the "Engineering Controls" section as this product is not applied through aerial methods.
2. Pg 2 – In the "Non-Agricultural Use" Box, delete "Do not enter...settled" and replace with "Don not enter or allow others to enter the treated area (except for those involved with watering-in) until watering-in is complete and the surface is dry."
3. Pg 4 – Please note that the spreader settings must be listed on the actual product label.

A stamped copy of the label is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label with the changes listed herein before releasing the product for shipment. If you have any questions, please contact Dominic Schuler at (703) 347-0260 or via email at schuler.dominic@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Tony Kish".

Tony Kish
Product Manager 22
Fungicide Branch
Registration Division (7504P)

Shaw's® Fungicide 100 Contains Bayleton®

Contains 1.0% Bayleton Fungicide - for Systemic Control of Certain Diseases on Turfgrass and Sod Farms

Systemic Fungicide Granules - For control of lawn disease on Bluegrass, Fescue, Ryegrass, Bermuda grass, Zoysiagrass, St. Augustinegrass and Bentgrass. For the prevention or cure of Dollar Spot, Copper Spot, Powdery Mildew, Red Thread, Rusts, Brown Patch, Anthracnose, Striped Smut, Fusarium Blight, Summer Patch, Zoysia Patch, Gray Snow Mold, Pink Snow Mold, and Southern Blight.

ACTIVE INGREDIENT:

Triadimefon [1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone]..... 1.00%

OTHER INGREDIENTS 99.00%

TOTAL 100.00%

Bayleton® is a registered trademark of Bayer Corp.
Shaw's® is a registered trademark of Knox Fertilizer Company, Inc.

EPA Reg. No. 8378-55

EPA Est. No. 8378-IN-1

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

**ACCEPTED
with COMMENTS
In EPA Letter Dated
MAY 27 2011**

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

8378-55

FIRST AID

IF ON SKIN OR CLOTHING	Take off contaminated clothing. Rinse immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
IF INHALED	Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control or doctor for further treatment advice.
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 by a 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 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Have this product container or label with you when calling a poison control center or doctor, or when going for treatment.	
HOT LINE NUMBER	
You may also contact 1-800-858-7378 from 6:30 am to 4:30 pm Pacific Time, every day for emergency medical treatment information.	
Note to Physician: No specific antidote. Treat symptomatically. Symptoms of poisoning: The compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by hyperactivity followed by sedation.	

See side panel for additional Precautionary Statements

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Harmful if absorbed through skin. Harmful if inhaled or swallowed. Causes moderate eye irritation. Avoid contact with skin or eyes or clothing. Avoid breathing dust. Wear long sleeved shirt and long pants, shoes, socks, and chemical resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, or other types found in Category C on an EPA chemical-resistance category selection chart). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

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

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

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

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 Controls

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

User Safety Recommendations

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 high 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.

PHYSICAL OR CHEMICAL HAZARDS

This product is incompatible with other chemicals that are characterized as oxidizing agents. Do not expose this product to these types of chemicals.

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. Aerial application and chemigation to turf are permitted on sodfarm turfgrass only.

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 waterproof material

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40CFR part 170). The WPS applies when this product is used to produce agricultural plants, on farms, forests, or nurseries. Do not enter or allow others to enter the treated area until dusts have settled.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store this product only in its original container in a dry, cool, secured area. In case of spill, sweep up and use as per label instructions or dispose of as indicated below.

PESTICIDE DISPOSAL: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or 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.

General Precautions and Restrictions

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. Do not use on crops grown for food or forage. Application to golf courses, including tees, green, fairways, and roughs is permitted only if the turfgrass is 2.5 inches or less in height. Harvesting or transplanting turfgrass grown on sod farms is prohibited for 17 days following application.

Maximum application rate on golf course and sod farm turfgrass is 6 lbs. of product per 1,000 sq. ft. which is equivalent to 0.7 lbs. of active ingredient per acre. Maximum annual application rate is 12 lbs. of product per 1,000 sq. ft. which is equivalent to 5.4 lbs. of active ingredient per acre. Minimum retreatment interval is 14 days.

Maximum application rate 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 is 4.6 lbs. of product per 1,000 sq. ft. which is equivalent to 2.0 lbs. of active ingredient per acre. Maximum annual application rate is 12 lbs. of product per 1,000 sq. ft. which is equivalent to 5.4 lbs. of active ingredient per acre. Minimum retreatment interval is 14 days.

Application

Bayleton* 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, turf should be maintained in a vigorously growing state through good cultural practices. Apply when the turf is fully established and actively growing. Apply Preventative Rates prior to appearance of disease and/or when damage from disease is anticipated. Apply Curative Rate when disease is first observed. Note: Apply the specified amount of Shaw's Fungicide 100 Contains Bayleton with a standard granular applicator calibrated to uniformly apply the recommended amount of product per 1,000 sq. ft. Make application when turf is dry and following the mowing operation. 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.

Disease	Recommended Applications-Turfgrass Disease Control		Remarks
	How much to use per 1,000 sq. ft.		
	Preventive	Curative	
Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	1.5 lbs.	-	PREVENTATIVE RATE: Apply recommended rate on 30-day intervals. Protective activity of product may extend for as long as 60 days dependent upon environmental conditions.
	0.75 lbs.	-	PREVENTATIVE RATE: Apply recommended rate on 14-day intervals. Protective activity of product may extend for as long as 30 days dependent upon environmental conditions.
	-	3 lbs.	CURATIVE RATE: To control existing infections, apply the curative rate. Re-application should be no closer than 14 days. When infections have been controlled, subsequent applications should be applied on a preventative schedule and rate.
Copper Spot (<i>Gloeocercospora sorghi</i>) Powdery Mildew (<i>Erysiphe graminis</i>) Corticium Red Thread (<i>Laetisaria fuciformis</i>) Rusts (<i>Puccini</i> spp.) Brown Patch/Rhizoctonia Blight (<i>Rhizoctonia solani</i>) (Suppression)	1.5 lbs.	3 lbs.	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 this product 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, subsequent applications should be applied on a preventative schedule and rate.
	3lbs.	-	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.
Anthracnose (<i>Collectotrichum Graminicola</i>)	1.5lbs.	-	PREVENTATIVE RATE: Apply at 30-day intervals and repeat as necessary for seasonal control. Dependent upon environmental conditions, residual control may be extended to 30 days.
	-	3lbs.	CURATIVE RATE: To control existing infections, apply the curative rate. Re-application should be no closer than 14 days. When infections have been controlled, subsequent applications should be applied on a preventative schedule and rate.
Stripe Smut (<i>Ustilago striformis</i>)	Preventive Rate Only/1,000 sq. ft. 3 lbs.		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 lbs.		Apply 1 st applications in mid-June or 30 days prior to time this blight normally becomes evident. Application should be made on 30 day intervals.

20110426.Proposed Label

Fusarium Blight (Fusarium culmorum) (Fusarium poae) Summer Patch (Magnaporthe poae) (California Only)	3 to 6 lbs. (For Residential Lawns* do not exceed 4.6 lbs. of product/1,000 sq. ft.)	Apply 1 st application in mid-June or 30 days prior to time this blight becomes evident. Application 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 (Rhizoctonia solani)	3 to 6 lbs. (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 (Typhula incarnate) (Except California)	6 lbs. (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 (Microdochium nivale) Southern Blight (Sclerotium rolfsii) (Except California)	3 to 6 lbs. (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.

*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.

Spreader Settings

The following settings are approximate for applying contents of this package at suggested rates of application per 1,000 square feet. Settings are based on an average walking speed. Reduce setting for slower speed, raise setting for higher speed. If you have reason to believe that your spreader is not calibrated correctly, test apply by placing the amount for 250 sq. ft. into your spreader and apply to your premeasured 250 sq. ft.

Spreader	Width Ft.	Setting to apply per 1000 sq. ft.			
		0.75 lbs	1.5 lbs.	3 lbs.	6 lbs.
Lesco* high wheel	7	XX	XX	XX	XX
Earthway 2400-SS	7	XX	XX	XX	XX
Scotts R-8A	7	XX	XX	XX	XX
Spyker 24-22	7	XX	XX	XX	XX
PrizeLawn CBR-II	7	XX	XX	XX	XX

Limited Warranty

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Direction for Use. THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with the label instructions, warnings or cautions, or to use the product under abnormal conditions such as drought, excessive rainfall, include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

Distributed by: Knox Fertilizer Company, PO Box 248, Knox, Indiana 46534

Net weight 30 lbs. (13.6 kg.)

Batch No.