

8378-59

5/24/2012

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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Mr. Gary Libman  
Agent for Knox Fertilizer Co, Inc  
C/O GNL Consultation Services  
25 Casa Hermosa NE  
Albuquerque, NM 87112

MAY 24 2012

**Subject:** Product Name: Gro-Fine Bayleton Fungicide  
EPA Reg. Number 8378-54  
Amendment Dated 1/4/12  
Label Amendment: Reinstate use on residential turf and inclusion of additional  
pests  
Decision 460077

Dear Mr. Libman

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act is acceptable provided the following changes are made and a final printed label is submitted within 30 days:

On page 4 in the "application" section, delete "Do not mow until a minimum ... has been applied to the treated area." Then add the statements: "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." Keep "Do not use clippings for animal field."

One copy of the label stamped "Accepted with comments" is enclosed for your records. This label supersedes all labels previously accepted for this product. Please submit one copy of the final printed label that incorporates the required changes before the product is released for shipment.

If you have questions concerning this letter, please contact Banza Djapao at 703-305-7269, or via email at [djapao.banza@epa.gov](mailto:djapao.banza@epa.gov), or myself at 703-308-9443.

Sincerely,

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

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

# Gro-Fine® Bayleton® Fungicide

Contains 0.5% Bayleton® Fungicide - For Systemic Control of Certain Diseases on Turfgrass and Sod Farms

FOR CONTROL OF LAWN DISEASE ON BLUEGRASS, FESCUE, RYEGRASS, BERMUDAGRASS, ZOYSIAGRASS, ST. AUGUSTINEGRASS AND BENTGRASS.

For the prevention or cure of Dollar Spot, Copper Spot, Powdery Mildew, Red Thread, Rusts, Brown Patch, Anthracnose, Stripe 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] . . . . . 0.50%

OTHER INGREDIENTS . . . . . 99.50%

TOTAL 100.00%

EPA Reg. NO. 8378-54

EPA Est. No. 8378-IN-1

Bayleton® is a registered trademark of Bayer Corp.  
Gro-Fine® is a registered trademark of Knox Fertilizer Co., Inc.

## KEEP OUT OF REACH OF CHILDREN CAUTION

### FIRST AID

**IF SWALLOWED** - Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to 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 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING** - 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 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 center or doctor for further treatment advice.

Have this product container or label with you when calling a poison control center or doctor, or when going for treatment. 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.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
MAY 24 2012

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
8378-54

See additional Precautionary Statements on this label.

## PRECAUTIONARY STATEMENTS

### Hazard to Humans and Domestic Animals

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

### Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, or neoprene rubber  $\geq$  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.

### 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

The 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.

#### 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 product in original bag 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 is 12 lbs. of product per 1,000 sq. ft. which is equivalent to 2.6 lb of active ingredient per acre. Maximum annual application rate is 24 lbs. of product per 1,000 sq. ft. which is equivalent to 5.2 lb 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 system 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 Gro-Fine Fungicide with a standard granular applicator 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  $\frac{1}{4}$  inch of water has been applied to the treated area. Do not use clippings for animal feed.

Disease	Recommended Applications-Turfgrass Disease Control		Remarks
	How much to use per 1,000 sq. ft.		
	Preventative	Curative	
Dollar Spot ( <i>Sclerotinia homoeocarpa</i> )	3 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.
	1.5 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.
	-	6 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 Rhizoctonia ( <i>solani</i> ) (suppression)	3 lbs.	6 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.

Anthracnose (Collectotrichum Graminicola)	6 lbs.	-	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.
	3 lbs.	-	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.
	-	6 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.
Stripe Smut	6 lbs.	-	Make a single application in spring as grass growth begins.
Fusarium Blight (Fusarium culmorum) (Fusarium poae) Summer Patch (Magnaporthe poae) (Except California)	6 lbs.	-	Apply 1 <sup>st</sup> applications in mid-June or 30 days prior to time this blight normally becomes evident. Application should be made on 30 day intervals.
Fusarium Blight (Fusarium culmorum) (Fusarium poae) Summer Patch (Magnaporthe poae) (California only)	6 to 12 lbs. (For Residential Lawns* do not exceed 4.6 lbs. of Product/1,000 sq. ft.)	-	Apply 1 <sup>st</sup> applications in mid-June or 30 days prior to time this blight becomes evident. Application should be made at the 6 lb. rate on the 15 day intervals or at the 12 lb. rate on the 30 day intervals.
Zoysia Patch "Large Patch" of Zoysia (Rhizoctonia solani)	6 to 12 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 make. Do not apply over snow cover, or when turf is dormant.
Pink Snow Mold/Fusarium Patch (Microdochium nivalis) Southern Blight (Sclerotium rolfsii) (Except California)	6 to 12 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 sq. ft. 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.			
		1.5 lbs.	3 lbs.	6 lbs.	12 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 Directions for Use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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, Inc. P.O. Box 248 Knox, IN 46534

**NET WEIGHT 10 lbs. (4.5 kg.)**

Batch No.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
**MAY 24 2012**  
under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
8318-94