

829-289

03/25/2003

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Cynthia Huffman  
Registrations  
Southern Agricultural Insecticides, Inc.  
P.O. Box 218  
Palmetto, FL 34220

MAR 25 2003

Subject: SA50 Systemic Fungicide for Turf and Ornamentals  
EPA Reg. No. 829-289  
Your amendment dated Dec. 18, 2002

Dear Ms Huffman:

The subject label that you submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is accepted provided the following changes are made:

Under *FIRST AID*, list the sections in the following order:

If in eyes....  
In on skin or clothing....  
If swallowed....  
If inhaled....

Under *DIRECTIONS FOR USE*,

Delete the table heading words "RECOMMENDED APPICATIONS" (two places).

Under "DISEASES", line up the subheading "(5) Tip Blight" into the proper column.

Under *STORAGE AND DISPOSAL*, change to read:

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

**PESTICIDE STORAGE:** Store pesticide in the original container in a locked storage area.

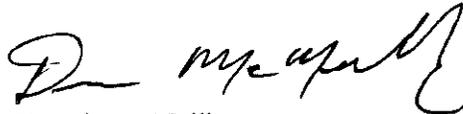
**PESTICIDE DISPOSAL:** If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

**CONTAINER DISPOSAL:** If empty: Do not reuse this container. Place in trash or offer for recycling if available.”

A stamped copy of the label is enclosed for your records. Please submit one (1) copy of the final printed label before you release the product for shipment.

If you have any questions, please call Robert Westin at (703) 305-5721.

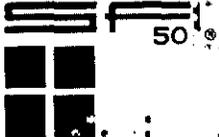
Sincerely,



Dennis McNeilly  
Acting Product Manager (22)  
Fungicide Branch  
Registration Division (7505C)

Enclosure

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# SYSTEMIC FUNGICIDE FOR TURF AND ORNAMENTALS CONTAINS BAYLETON<sup>®</sup> FUNGICIDE

NOT FOR USE ON PLANTS BEING GROWN FOR SALE OR OTHER COMMERCIAL USE, OR FOR COMMERCIAL SEED PRODUCTION OR FOR RESEARCH PURPOSES. FOR USE ON PLANTS INTENDED FOR AESTHETIC PURPOSES OR CLIMATIC MODIFICATION AND BEING GROWN IN INTERIOR PLANTSCAPES, ORNAMENTAL GARDENS OR PARKS, OR ON GOLF COURSES OR LAWNS AND GROUNDS.

**ACTIVE INGREDIENT:**

1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone ..... 0.88%

**INERT INGREDIENTS:**..... 99.12%  
100.00%

Contains 0.15 ounces by weight of 1-(4 Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone per pint. BAYLETON is a Reg. TM under license. U.S. Patent No. 3,912,752

**STOP - READ THE LABEL BEFORE USE  
KEEP OUT OF THE REACH OF CHILDREN**

## CAUTION

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
MAR 25 2008  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
829-289

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Harmful if inhaled; Avoid breathing vapor or spray mist. This product may cause allergic skin reactions. Keep out of reach of children. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

### ENVIRONMENTAL HAZARDS

Do not use on crops grown for food or forage. 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 by cleaning of equipment or disposal of wastes. Do not make applications when weather conditions favor drift from target area.

### 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 do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.  
**IF ON SKIN OR CLOTHING:** 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:** 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 treatment advice.  
**IF IN EYES:** 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.  
**NOTE TO PHYSICIAN:** No specific antidote is available. Treat symptomatically.  
**SYMPTOMS OF POISONING:** No specific symptoms. Acute poisoning is accompanied by hyperactivity followed by sedation.

Have product container or label with you when calling a poison control center or doctor or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378  
For product information email us at [sales@Southernag.com](mailto:sales@Southernag.com)

## Southern Agricultural Insecticides, Inc.

Palmetto, FL 34220      Hendersonville, NC 28793      Boone, NC 28607  
EPA REG. NO. 829-289      EPA EST. NO. 829 FL-1      Net Contents Liquid: 8 Ounces, 1 Pint or 1 Quart

**PRECAUTION AL USUARIO:** Si usted no puede leer o entender ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

**FOR CONTROL OF CERTAIN DISEASES ON FLOWERS, FOLIAGE PLANTS, SHRUBS AND SHADE TREES, USE 2-4 FL. OZS. PER GALLON OF WATER. FOR TURF, USE 2.8 - 5.6 FL. OZS. PER 100 SQ. FT.**

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**IMPORTANT: Read these entire Directions and Conditions of Sale before using SYSTEMIC FUNGICIDE FOR TURF AND ORNAMENTALS.**

**APPLICATION:** BAYLETON fungicide is absorbed rapidly and works systemically from within the plant. Good coverage and wetting of the foliage is necessary. Rainfall or sprinkler irrigation, within 1/2 hour 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. Apply in all cases when plant root systems are established and actively growing. Applications should be applied at recommended intervals to maintain disease control. Do not contaminate feed or food. Do not apply this product through any type of irrigation system.

**RECOMMENDED APPLICATIONS. TURF GRASS DISEASE CONTROL**

DISEASES	ounces of Systemic Fungicide For Turf & Ornamentals		REMARKS
	Per 100 Sq. Ft.*		
Dollar Spot	Preventive	2.8	PREVENTIVE RATE Apply recommended rate on 30 day intervals. Protective activity of BAYLETON fungicide may extend for as long as 60 days dependent upon environmental conditions. CURATIVE RATE To control existing infections, apply the curative rate. Subsequent applications should be applied on a preventative schedule and rate.
	Curative	- 5.6	
Copper Spot	2.8	5.6	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 BAYLETON fungicide can be greater than 30 days depending on environmental conditions. CURATIVE RATE: To control existing infections, apply the curative rate. Subsequent applications should be applied on a preventative schedule and rate.
Powdery Mildew			
Red Thread (Laetisaria fuciformis)			
Rusts			Apply at 30 day intervals as necessary for seasonal control. Dependent upon environmental conditions, residual control may be extended to 45 days.
Brown Patch (Rhizoctonia solani)			
(Suppression)			
Anthracnose	5.6	5.6	Make single application in spring as grass growth begins.
Poa Annua Decline			
Stripe Smut	Preventive Rates Only		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.
	5.6		
Fusarium Blight (Fusarium culmorum) (Fusarium poae) Summer Patch (Phialophora graminicola)	5.6		

(RECOMMENDED APPLICATIONS TURF GRASS DISEASE CONTROL Continued)

DISEASES	PREVENTIVE RATES ONLY	REMARKS
Pink Snow Mold Fusarium Patch (Fusarium nivale) Southern Blight (Sclerotium rolfsii)	5.6 to 11.2	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.

Note: \*Apply the specified amount of Systemic Fungicide For Turf And Ornamentals in 1 to 2 quarts of spray per 100 sq. ft. Make all applications after mowing and allow foliage to dry thoroughly before irrigation. Do not use clippings for animal feed. Two (2) tablespoonfuls equals one fluid ounce. Do not reuse tablespoon for feed, food or drinking water purposes.

**ORNAMENTAL PLANT DISEASE CONTROL**

**PLANTS (Disease controlled reference)**

**Flowering and Foliage Plants (Outdoor)**

Ageratum (2b,3,4)	Four O'Clock (4)	Phlox (2b,3,4)
Aster (4)	Geranium (3,4)	Rose (3)
Begonia (3)	Hollyhock (3,4)	Salvia (3,4)
Canna (4)	Iris (2c)	Sedum (3)
Carnation (3,4)	Marigold (2b,4)	Snapdragon (3,4)
Chrysanthemum (3,4)	Nephthytis (2a)	Sunflowers (3,4) (ornamental only)
Dahlia (3)	Pansy (3,4)	Zinnia (2b,3)
Delphinium (3)	Petunia (3,4)	

**Shade Trees**

Ash (3)	Elm(3)	Poplar (3,4)
Aspen (3,4)	Fir (4)	Russian Olive (2b,4)
Balsam (4)	Locust (3)	Sycamore (3)
Birch (3,4)	Maple (3)	Vitex (2b)
Buckeye (3)	Paulownia (3)	Walnut (3)
Chestnut (3)	Oak (3)	Willow (3,4)
Cottonwood (3,4)	Pine (4,5,6)	
	Sphaerotheca spp.	

**Hawaii Only**

Dendrobium (1c)

**Flowering Foliage and Woody Shrubs**

Amelanchier (3)	Hawthorn (3,4)	Potentilla (4)
Azalea (1a,3)	Holly (3)	(Cinquefoil)
Barberry (3,4)	Juniper (4)	Privet (2b,3)
Buckhorn (4)	Leucothoe (2b)	Pyracantha (3)
Camellia (suppression of 1b) Lilac (3)	Mock-Orange (3,4)	Rhododendron (1a,2b,3)
Crabapple (flowering) (3,4)	Mountain Laurel (1a,2b,3)	Rose (3)
Crape-Myrtle (3)	Ninebark (3)	Spirea (3)
Dogwood (3)	Pear (flowering) (3)	Viburnum (3,4)
Euonymus (3)	Photinia (2d,3,4)	
Gardenia (3)		

**Flowering & Foliage Plants**

(Greenhouse****)	Crassula (3)	(5) Tip Blight
African Violet (3)	Daisy (3,4)	Gerbera (3)
Calendula (3,4)	Fern, Boston (4)	Grape Leaf Ivy (3)
Carnation (3,4)	Desmella spp.	Kalanchoe (3)
Chrysanthemum (3,4)	Geranium (3,4)	Rose (3)
		Snapdragon (3,4)

**DISEASES**

- (1) Flower Blight
  - a. Ovulinia spp.\*
  - b. Sclerotinia spp.
  - c. Colletotrichum\*
- (2) Leaf Blight/Spots
  - a. Cephalosporium spp\*\*\*
  - b. Cerocospora spp.
  - c. Didymellina spp.\*\*
  - d. Entomosporium spp.\*\*\*

- (3) Powdery Mildew
  - Erysiphe spp.
  - Microsphaera spp.
  - Oidium spp.
  - Podosphaera spp.
  - Phyllactinia spp.

Uncinula spp.

- (4) Rusts
  - a. Coleosporium spp.
  - b. Cronartium spp.\*\* (Fusiform)
  - c. Gymnosporangium spp.
  - d. Melampsora spp.
  - e. Melampsoridium spp.
  - f. Peridermium spp.\*\* (Gall)
  - g. Phragmidium andersonii
  - h. Puccinia spp.
  - i. Uromyces spp.
  - j. Uredinopsis mirabilis\*

Sirococcus strobilinus\*\*

- (6) Fusarium spp.  
(See NOTE below on Pine Tree Decline

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Cineraria (3)

**NOTE: PINE TREE DECLINE** (suppression of symptoms caused by *Fusarium* spp.)

Use 1.3 ml of SYSTEMIC FUNGICIDE per inch of trunk circumference. Apply using a low pressure trunk injection system. Place injectors evenly around the circumference of the trunk 4 to 6 feet from the base of the tree. Use one injector site per inch of trunk diameter. In addition to the SYSTEMIC FUNGICIDE being used, a liquid fertilizer solution containing 1% iron plus 1% zinc in chelated form should be combined on a 1 to 1 ratio with the SYSTEMIC FUNGICIDE and injected at the required rate for SYSTEMIC FUNGICIDE. Applications should be made from mid-November to mid-March in Florida. In other geographical areas applications should be made when resin flow will not impede the injection and release of the SYSTEMIC FUNGICIDE. Make no more than one application per year.

**APPLICATION RATES:** Except as noted for specific diseases, mix 1 to 2 tablespoonfuls (0.5 to 1 fl. oz.) of SYSTEMIC FUNGICIDE in 1 gallon of water and apply as a full coverage foliage spray to the point of drip as needed.

\*Mix 2 to 4 fl. ozs. of SYSTEMIC FUNGICIDE in 1 gallon of water and apply as a full-coverage foliar spray to the point of drip. Applications for flower blight should begin at the expanded bud stage (color showing). Use multiple applications at 7- to 14-day intervals as needed dependent upon bloom periods.

\*\*Mix 4 fl. ozs. of SYSTEMIC FUNGICIDE plus sufficient spreader sticker for good coverage in 1 gallon of water. Apply in a spray application to the point of run-off on an as needed basis. Excessive rates or excessive applications may result in a shortening of the flower stalk on iris.

\*\*\*Mix 2 to 4 fl. ozs. of SYSTEMIC FUNGICIDE in 1 gallon of water and apply as a full coverage foliar spray to point of run-off. Apply in early spring as growth starts and reapply 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.

\*\*\*\*Greenhouse Applications Winter Use: 1 tbsp. of SYSTEMIC FUNGICIDE

Summer Use: 2 tbsp. of SYSTEMIC FUNGICIDE

Mix specified amount of SYSTEMIC FUNGICIDE in 1 gallon of water and apply in a spray application to the point of drip. Intervals between applications should 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.

**COMPATIBILITY:** SYSTEMIC FUNGICIDE is compatible with many registered insecticides and fungicides. To determine the compatibility of SYSTEMIC FUNGICIDE with specific products, the following procedure should be conducted. Pour the recommended proportions of the product 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:** Use of various spray additives such as spreader stickers or fertilizers should be evaluated prior to use. The label, directions given here are based on data obtained with no additives; use of any product with SYSTEMIC FUNGICIDE may affect the result. Contact local university extension personnel prior to use of spray mix additives.

**RESTRICTIONS:** Edible portions of treated trees, such as nuts and syrup, should not be used for feed or food.

#### Ground Water Advisory

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in area where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store pesticide in the original container in a locked storage area.

**DISPOSAL:** If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

**CONDITIONS OF SALE:** THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE APPROPRIATE FOR THE CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED UNDER DIFFERENT ENVIRONMENTAL CONDITIONS BOTH INDOORS AND OUTDOORS UNDER CONDITIONS SIMILAR TO THOSE THAT ARE ORDINARY AND CUSTOMARY WHERE THE PRODUCT IS TO BE USED. INSUFFICIENT CONTROL OF PESTS OR PLANT INJURY MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL CONDITIONS, OR FROM TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO ANIMALS, MAN, AND DAMAGE TO THE ENVIRONMENT. SOUTHERN AGRICULTURAL INSECTICIDES INC. OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL ENVIRONMENTAL CONDITIONS, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF SOUTHERN AGRICULTURAL INSECTICIDES INC. AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.