

PM 02 829-289

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
829-289

Date of Issuance:  
OCT 18 1994

Term of Issuance:  
Conditional

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration  
(under FIFRA, as amended)

Name of Pesticide Product:  
SA-50 Systemic  
Fungicide For Turf  
and Ornamentals

Name and Address of Registrant (include ZIP Code):  
Southern Agricultural Insecticides, Inc.  
P.O. Box 218  
Palmetto, FL 34220

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes listed below before you release the product for shipment:

- a. Add the phrase, "EPA Reg. No. 829-289".
- b. Add the following:

**Ground Water Advisory**

This chemical demonstrates the 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.

Signature of Approving Official:

15

Date:

page 2  
EPA Reg. No. 829-289

2 of 5

c. Delete the Spanish Signal Word AVISO. This is not required for Toxicity Category III - CAUTION pesticide products.

3. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Cynthia Giles-Parker  
Product Manager (22)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

Enclosure

ACCEPTED  
with COMMENT  
In EPA Letter Dated:

OCT 18 1971  
Under the Federal Insecticide  
Fungicide, and Rodenticide Act  
recommended, for the pesticide  
registered under EPA Reg. No.

829-28

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.



# SYSTEMIC FUNGICIDE FOR TURF AND ORNAMENTALS

CONTAINS BAYLETON® FUNGICIDE

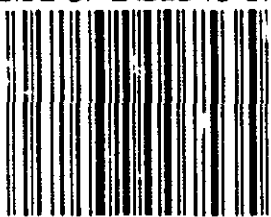
## DIRECTIONS FOR USE

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.

THE SPECIFIC DIRECTIONS FOR USE OF THIS PRODUCT ARE LOCATED INSIDE OF LABEL.

FOLLOW DIRECTIONS ON SIDE OF LABEL TO OPEN.



0 51530 C0753 5

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-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-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**

See Side Panel for Other Precautionary Statements

EPA EST. NO. 829-FL-1

**Southern Agricultural Insecticides, Inc.**

Palmetto, FL 34220  
EPA REG. NO.

Hendersonville, NC 28793  
J3

Boone, NC 28607  
Net Contents Liquid: 1 QUART

## PRECAUTION HAZARD AND DOM

Causes moderate irritation on contact with eyes. Avoid contact with eyes. If inhaled, avoid spray mist.

This product may cause allergic reactions.

Keep out of reach of children.

Wash thoroughly after handling. Wash clothing and work clothes.

## ENVIRONMENTAL

Do not use on crops for forage. Do not use on or to areas where livestock are present or to areas where manure may mean high volume contamination of equipment or crops.

Do not make applications under conditions favorable to drift.

STATE  
PRACTICAL  
LOCATED ON

BEST AVAILABLE COPY

If eyes are contaminated, flush eyes with plenty of water. Call a physician if irritation persists. If on skin, wash skin immediately with soap and warm water. If irritation occurs, get medical attention. If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention. If swallowed, administer water freely and induce vomiting by giving one dose (1/4 oz. or 15 ml.) of syrup of Ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of Ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. Get medical attention immediately.

In case of poisoning, call a physician or Poison Control Center. Have patient lie down and keep quiet.

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.

#### 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.

#### AVISO:

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, 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.)

#### 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 Per 100 Sq. Ft. |          | REMARKS                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                      | Preventive                                                          | Curative |                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Dollar Spot                                                                                                                                                          | 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.                                                                                                                                                                                                                                          |
|                                                                                                                                                                      | —                                                                   | 5.6      | CURATIVE RATE: To control existing infections, apply the curative rate. Subsequent applications should be applied on a preventative schedule and rate.                                                                                                                                                                                                                                                                     |
| Copper Spot<br>Powdery Mildew<br>Red Thread<br>( <i>Leptosaria</i><br><i>Acidiformis</i> )<br>Rusts<br>Brown Patch<br>( <i>Rhizoctonia solani</i> )<br>(Suppression) | 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.<br>CURATIVE RATE: To control existing infections, apply the curative rate. Subsequent applications should be applied on a preventative schedule and rate. |
| Anthraxnose<br>Poa Annua Decline                                                                                                                                     | 5.6                                                                 | 5.6      | Apply at 30 day intervals as necessary for seasonal control. Dependent upon environmental conditions, residual control may be extended to 45 days.                                                                                                                                                                                                                                                                         |
| Stripe Smut                                                                                                                                                          | Preventive Rates Only<br>5.6                                        |          | Make single application in spring as grass growth begins.                                                                                                                                                                                                                                                                                                                                                                  |
| Fusarium Blight<br>( <i>Fusarium culmorum</i> )<br>( <i>Fusarium poae</i> )<br>Summer Patch<br>( <i>Phialophora graminicola</i> )                                    | 5.6                                                                 |          | 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.                                                                                                                                                                                                                                                                        |
| Pink Snow Mold<br>Fusarium Patch<br>( <i>Fusarium nivale</i> )<br>Southern Blight<br>( <i>Sclerotium rolfsii</i> )                                                   | 5.6 to 11.2                                                         |          | Apply before conditions favorable for infection occur. Re-application 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) tablespoons equals one fluid ounce. Do not reuse tablespoon for feed, food or drinking water purposes.

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ORNAMENTAL PLANT DISEASE CONTROL

| PLANTS (Diseases controlled reference)                 |                           |                        | DISEASES                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------|---------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Flowering and Foliage Plants (Outdoor)</b>          |                           |                        |                                                                                                                                                                                                                                                                                                                                                            |
| Ageratum (2b,3,4)                                      | Four O'Clock (4)          | Phlox (2b,3,4)         | (1) Flower Blight<br>a. <i>Ovulinia</i> spp.*<br>b. <i>Sclerotinia</i> spp.*<br>c. <i>Colletotrichum</i> *                                                                                                                                                                                                                                                 |
| 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)                                    | Nephtytis (2a)            | Sunflowers (3,4)       |                                                                                                                                                                                                                                                                                                                                                            |
| Dahlia (3)                                             | Pansy (3,4)               | (ornamental only)      |                                                                                                                                                                                                                                                                                                                                                            |
| Delphinium (3)                                         | Petunia (3,4)             | Zinnia (2b,3)          |                                                                                                                                                                                                                                                                                                                                                            |
| Dianthus (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)             |                                                                                                                                                                                                                                                                                                                                                            |
| Buchaya (3)                                            | Paulownia (3)             | Walnut (3)             |                                                                                                                                                                                                                                                                                                                                                            |
| Chestnut (3)                                           | Oak (3)                   | Willow (3,4)           |                                                                                                                                                                                                                                                                                                                                                            |
| Cottonwood (3,4)                                       | Pine (4,5,6)              |                        |                                                                                                                                                                                                                                                                                                                                                            |
| <b>Hawaii Only</b>                                     |                           |                        |                                                                                                                                                                                                                                                                                                                                                            |
| Dendrobium (1c)                                        |                           |                        | (2) Leaf Blight/Spots<br>a. <i>Cephalosporium</i> spp.***<br>b. <i>Cercospora</i> spp.<br>c. <i>Dicymella</i> spp.**<br>d. <i>Entomosporium</i> spp.***                                                                                                                                                                                                    |
| <b>Flowering Foliage and Woody Shrubs</b>              |                           |                        | (3) Powdery Mildew<br><i>Erysiphe</i> spp.<br><i>Microsphaera</i> spp.<br><i>Oidium</i> spp.<br><i>Podosphaera</i> spp.<br><i>Phyllosticta</i> spp.<br><i>Sphaerotheca</i> spp.<br><i>Uncinula</i> spp.                                                                                                                                                    |
| Amelanchier (3)                                        | Hawthorn (3,4)            | Potentilla (4)         | (4) Rusts<br>a. <i>Colletosporium</i> spp.<br>b. <i>Cronartium</i> spp.**<br>(Fusiform)<br>c. <i>Gymnosporangium</i> spp.<br>d. <i>Malampsora</i> spp.<br>e. <i>Melanconium</i> spp.<br>f. <i>Peridermium</i> spp.** (Gall)<br>g. <i>Phragmidium andersonii</i><br>h. <i>Puccinia</i> spp.<br>i. <i>Uromyces</i> spp.<br>j. <i>Uredinopsis mirabilis</i> * |
| Azalea (1a,3)                                          | Holly (3)                 | (Cinquefoil)           |                                                                                                                                                                                                                                                                                                                                                            |
| Barberry (3,4)                                         | Juniper (4)               | Privet (2b,3)          |                                                                                                                                                                                                                                                                                                                                                            |
| Buckthorn (4)                                          | Leucothoe (2b)            | Pyracantha (3)         |                                                                                                                                                                                                                                                                                                                                                            |
| Camellia (suppression of fl)                           | Lilac (3)                 | Rhododendron (1a,2b,3) |                                                                                                                                                                                                                                                                                                                                                            |
| Crabapple (flowering) (3,4)                            | Mock-Orange (3,4)         | Rose (3)               |                                                                                                                                                                                                                                                                                                                                                            |
| Crape-Myrtle (3)                                       | Mountain Laurel (1a,2b,3) | Spiraea (3)            |                                                                                                                                                                                                                                                                                                                                                            |
| Dogwood (3)                                            | Ninebark (3)              | Viburnum (3,4)         |                                                                                                                                                                                                                                                                                                                                                            |
| Euonymus (3)                                           | Pear (flowering) (3)      |                        |                                                                                                                                                                                                                                                                                                                                                            |
| Gardenia (3)                                           | Photinia (2d,3,4)         |                        |                                                                                                                                                                                                                                                                                                                                                            |
| <b>Flowering &amp; Foliage Plants (Greenhouse****)</b> |                           |                        | (5) Tip Blight<br><i>Sirococcus strobilinus</i> **                                                                                                                                                                                                                                                                                                         |
| African Violet (3)                                     | Crassula (3)              | Gerbera (3)            | (6) <i>Fusarium</i> spp.<br>(See NOTE below on Pine Tree Decline)                                                                                                                                                                                                                                                                                          |
| Calendula (3,4)                                        | Daisy (3,4)               | Grape Leaf Ivy (3)     |                                                                                                                                                                                                                                                                                                                                                            |
| Carnation (3,4)                                        | Fern, Boston (4)          | Kalanchoe (3)          |                                                                                                                                                                                                                                                                                                                                                            |
| Chrysanthemum (3,4)                                    | <i>Desmella</i> spp.      | Rose (3)               |                                                                                                                                                                                                                                                                                                                                                            |
| Cineraria (3)                                          | Geranium (3,4)            | Snapdragon (3,4)       |                                                                                                                                                                                                                                                                                                                                                            |

**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 tablespoons (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 lris.

\*\*\*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.

**STORAGE AND DISPOSAL.**

Do not contaminate water, food or feed by storage or disposal.  
**DISPOSAL:** Do not reuse empty container. Securely wrap original container in several layers of newspaper and put in trash collection. 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 container is leaking invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above. In spill or leak incidents, keep unauthorized people away.

**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 FAILURE 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.