

432-942

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Terri Moore
Regulatory Affairs Manager
Bayer Crop Science,
Environmental Science Division
2 T.W. Alexander Drive
RTP, NC 27709

JAN 12 2015

Subject: Label Notification per PRN 98-10 – Addition of marketing claims (pictures) and some minor formatting changes
Product Name: Banol Turf and Ornamental Fungicide
EPA Registration Number: 432-942
Application Date: December 17, 2014
Decision Number: 498550

Dear Ms. Moore:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, you may contact Aswathy Balan at 703-347-0510 or via email at balan.aswathy@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Shaja B. Joyner".

Shaja B. Joyner, Product Manager 20
Fungicide - Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove protective clothing and equipment 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 washwaters.

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 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.

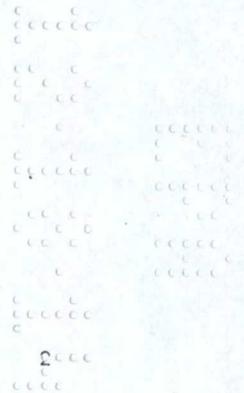
AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard 40 CFR 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 personal protective equipment 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 24 hours.

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 any waterproof material.



NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter treated areas until sprays have dried.

PRODUCT INFORMATION

BANOL® TURF AND ORNAMENTAL FUNGICIDE is a completely water miscible fungicide concentrate. BANOL TURF AND ORNAMENTAL FUNGICIDE is intended for use on turfgrass or ornamental species which are subject to Pythium Blight (Cottony Blight, Grease Spot) or *Phytophthora*. It may be used after germination to control Pythium damping-off in turf, or on established turf to prevent or control Pythium Blight. BANOL TURF AND ORNAMENTAL FUNGICIDE does not afford broad spectrum disease control for *Rhizoctonia* sp. (brown patch), *Sclerotinia* sp. (dollarspot), or *Helminthosporium* sp. (leafspot). Use a broad spectrum fungicide if these diseases coexist with Pythium Blight.

BANOL TURF AND ORNAMENTAL FUNGICIDE is also labeled for prevention of root rot and damping-off caused by *Pythium* sp. and *Phytophthora* sp. at all stages of ornamental propagation.

COMPATIBILITY: BANOL TURF AND ORNAMENTAL FUNGICIDE is compatible with iprodione, ethazol, chloroneb, trichlorfon, triadimefon, chlorothalonil, diazinon, chlorpyrifos, and thiram.

For control of other soil borne diseases such as *Rhizoctonia* sp. or *Fusarium* sp. BANOL TURF AND ORNAMENTAL FUNGICIDE can be tank-mixed with thiophanate-methyl. Use the full rate of each fungicide and follow the most restrictive directions and restrictions appearing on the labels of these products.

USE RESTRICTIONS

- Do not graze or feed clippings from treated areas to livestock.
- Do not apply this product through any type of irrigation system.



Turfgrass and Ornamentals

BANOL TURF AND ORNAMENTAL FUNGICIDE is labeled for prevention of root rot and damping-off caused by *Pythium sp.* and *Phytophthora sp.* at all stages of turfgrass development and ornamental plant propagation, including seeding, transplanting and potting.

TURFGRASS*	AREA	FLUID OUNCES BANOL TURF AND ORNAMENTAL FUNGICIDE	REMARKS
<p>For Control of: Pythium Blight, Pythium Damping Off, and Root Rot on Established Turf, and Overseeded Areas</p>	<p>1,000 sq ft</p>	<p><i>Preventative Treatment:</i> 1-1/3 - 2 fl oz in 2 - 5 gallons of water</p> <p><i>Curative Treatment:</i> 3 - 4 fl oz in 2 - 5 gallons of water</p>	<p>Do not apply more than a total of 12.25 fl oz (0.57 lb ai) of BANOL TURF AND ORNAMENTAL FUNGICIDE per 1,000 sq ft of turfgrass per year, equivalent to 25 lb ai/A/year.</p> <p>ESTABLISHED TURF: Apply as a preventative treatment during periods of high temperature and humidity favorable to the development of Pythium Blight.</p> <p>OVERSEEDDED AREAS: Apply after germination to control Pythium Damping-Off.</p> <p>RETREATMENT: Re-treat at 7 - 21 day intervals if conditions remain favorable for disease development. Use lower rate for the shorter interval and the higher rate for the longer interval within the application rate range. Under severe disease pressure conditions, use the highest labeled rate and shortest interval.</p> <p>*NOT FOR USE ON SOD FARMS IN ARIZONA</p>



Do not use for field grown ornamentals.

BANOL TURF AND ORNAMENTAL FUNGICIDE requires no agitation after initial mixing. Stock solutions of BANOL TURF AND ORNAMENTAL FUNGICIDE should must be used within one week of mixing. BANOL TURF AND ORNAMENTAL FUNGICIDE does not cause phytotoxic symptoms on the listed plants when used as directed. Trials on other ornamental species should must be conducted before extensive use. Apply to commercially grown ornamentals in greenhouses and container grown ornamentals in nurseries by soil-directed drench only. Do not apply a soil drench to the foliage.

Use chemical resistant gloves when planting cuttings, seedlings, or seeds into the potting media that is still wet from a BANOL TURF AND ORNAMENTAL FUNGICIDE drench application. Do not apply more than 63 fluid-oz ounces of BANOL TURF AND ORNAMENTAL FUNGICIDE (2.95 lb ai) per 1,000 sq ft per season.

When dipping plant roots, workers are required to use the stated personal protective equipment on this label and a chemical-resistant apron as a prudent measure.

ORNAMENTALS	FLUID OUNCES BANOL TURF AND ORNAMENTAL FUNGICIDE	REMARKS
<p>For Control of: <i>Pythium</i> and <i>Phytophthora</i> on Ornamental Plants: African Violet, Ageratum, Alyssum, Aster, Azalea, Browallia, Carnation, Celosia, Chrysanthemum, Coleus, Dahlia, Dusty Miller, Easter Lily, Ferns, Geranium, Gloxinia, Impatiens, Lobelia, Marigold, Pansy, Petunia, Poinsettia, Portulaca, Salvia, Snapdragon, Verbena, Violet, and Vinca.</p>	<p>3 fl oz per 10 gallons of water</p> <p>3 fl oz per 10 gallons of water</p> <p>2 fl oz per 10 gallons of water</p> <p>2 fl oz per 10 gallons of water</p>	<p>Seeding: Apply to the seeding area using 3 quarts of solution/10 sq ft. Treat before sowing of seeds requiring light and after covering of seeds requiring dark for germination. Do not make more than two applications per container per season. If a second application is needed, the minimum retreatment interval is 7 days.</p> <p>Transplanting (Seedlings): Apply to the transplanting area using 3 quarts of solution/10 sq ft before transplanting. Do not make more than two applications per container per season. If a second application is needed, retreat at a minimum of 7-days to 6 months depending on the plant species and cultural practice.</p> <p>Transplanting (Cuttings): Drench the cutting bed using 2 gallons of solution /10 sq ft before setting. Do not make more than two applications per container per season. If two applications are being made, do not exceed 31.5 fl oz fluid ounces of BANOL TURF AND ORNAMENTAL FUNGICIDE per 1,000 sq. ft. per application. If a second application is needed, retreat at a minimum of 7-days to 6 months depending on the plant species and cultural practice.</p> <p>Potting: Dip bare root plants in the solution before potting. After potting drench each pot using 3.5 fl oz of solution per 4 inch pot. Do not exceed 31.5 fl oz fluid ounces of BANOL TURF AND ORNAMENTAL FUNGICIDE per 1,000 sq. ft. per application and do not apply more than two applications per container per season. If a second application is needed, retreat at a minimum of 7-days to 6 months depending on the plant species and cultural practice.</p>
<p>Woody Ornamentals</p>	<p>2.5 fl oz per 10 gallons of water</p>	<p>For control of <i>Phytophthora sp.</i> on woody ornamentals, drench each container at the rate of 5 quarts of solution/10 sq ft of surface. Do not make more than two applications per container per season. If two applications are being made do not exceed 31.5 fl oz fluid ounces of BANOL TURF AND ORNAMENTAL FUNGICIDE per 1000 sq. ft. per application. If a second application is needed, retreat at a minimum of 7-days to 6 months depending on the plant species and cultural practice.</p>

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container and keep tightly closed. Store in a cool dry secure place.

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

CONTAINER HANDLING DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Offer for reconditioning, if appropriate. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.



