

Aventis ES

Banol[®]

FUNGICIDE

TURF & ORNAMENTAL FUNGICIDE

For Control of Pythium and Phytophthora

For Use on Greenhouse and Field Grown Ornamentals

NOT FOR SALE OR USE IN CALIFORNIA

NOT FOR USE ON SOD FARMS IN ARIZONA

Chipco[®] Professional Products

ACTIVE INGREDIENT:

Propamocarb hydrochloride* 66.5%

OTHER INGREDIENTS: 33.5%

TOTAL 100.0%

*Propyl [3-(dimethylamino)propyl] carbamate monohydrochloride

Contains 6.0 lbs. active ingredient per gallon

EPA Reg. No. 432-942

EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN**CAUTION****FIRST AID****IF SWALLOWED:** Obtain medical attention immediately. See Note to Physician.**IF INHALED:** Remove to fresh air, support respiration, and seek medical advice.**IF IN EYES:** Immediately flush with plenty of water. Get medical attention if irritation persists.**IF ON SKIN:** Wash with soap and water.**NOTE TO PHYSICIAN:** Do not administer atropine unless cholinesterase inhibition is measured or patient shows distinct symptoms thereof. Oxime therapy is contraindicated. Otherwise, administration of gastric lavage or induction of vomiting followed by application of activated charcoal is the recommended treatment.**IN CASE OF MEDICAL, ENVIRONMENTAL, OR TRANSPORTATION EMERGENCIES OR INQUIRIES, CALL 1-800-334-7577 (24 HOURS/DAY).**

For Product Information, Call Toll-Free: 1-800-331-2867.

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS****CAUTION**

May be harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing.

PERSONAL PROTECTIVE EQUIPMENT**Applicators and Other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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, closed 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.**ENVIRONMENTAL HAZARDS**

For terrestrial uses, 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.

USE PRECAUTIONS

Do not graze or feed clippings from treated areas to livestock.

Do not apply this product through any type of irrigation system.

STORAGE AND DISPOSAL

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

STORAGE: Store in original container and keep tightly closed. Store in a cool dry 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 DISPOSAL:** Triple rinse (or equivalent), then offer for recycling or reconditioning; or 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.**DO NOT REUSE ORIGINAL CONTAINER.****GENERAL INFORMATION**BANOL[®] Fungicide is a completely water miscible fungicide concentrate. BANOL is intended for use on turfgrass which is subject to Pythium Blight (Cottony Blight, Grease Spot). It may be used after germination to control Pythium damping-off in turf, or on established turf to prevent or control Pythium Blight. BANOL 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 is also recommended for prevention of root rot and damping-off caused by *Pythium* sp. and *Phytophthora* sp. at all stages of ornamental propagation.**COMPATIBILITY:** BANOL is compatible with benomyl, 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 can be tank-mixed with benomyl or thiophanate-methyl. Use the full rate of each fungicide and follow all directions and restrictions appearing on the labels of these products.**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 in your State 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 instructions and exceptions pertaining to the statements on this label about 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 12 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
- Waterproof gloves
- Shoes plus socks

NONAGRICULTURAL 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 treated areas until spray deposit has dried completely.

TURFGRASS	AREA	Fluid Ounces BANOL	REMARKS
For Control of Pythium Blight and Pythium Damping-Off on Established Turf and Overseeded Areas	1000 ft ²	<i>Preventive Treatment:</i> 1 1/2-2 fluid oz. in 2-5 gallons of water <i>Curative Treatment:</i> 3-4 fluid oz. in 2-5 gallons of water	ESTABLISHED TURF: Apply as a preventive treatment during periods of high temperature and humidity favorable to the development of Pythium Blight. OVERSEEDDED AREAS: Apply after germination to control Pythium Damping-Off. RETREATMENT: Retreat at 7-21 day intervals if conditions remain favorable for disease development. Use the 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 recommended rate and shortest interval. Do not apply more than a total of 12 fl. oz (0.57 lbs.) of Banol per 1000 ft. ² of turfgrass per year, equivalent to 25 lb ai/acre/year.

BANOL Fungicide is recommended for prevention of root rot and damping-off caused by *Pythium* sp. and *Phytophthora* sp. at all stages of turfgrass development ornamental propagation, including seeding, transplanting, and potting. Not for field nursery uses.

ORNAMENTALS	Fluid Ounces BANOL	REMARKS
For Control of Pythium and Phytophthora 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.	3 fl. oz. per 10 gallons of water 3 fl. oz. per 10 gallons of water 2 fl. oz. per 10 gallons of water 2 fl. oz. per 10 gallons of water	BANOL requires no agitation after initial mixing. Stock solutions of BANOL should be used within one week of mixing. BANOL does not cause phytotoxic symptoms on the listed plants when used as directed. Trials on other ornamental species should be conducted before extensive use. Seeding: Apply to the seeding area using 3 quarts of solution/10 square feet. Treat before sowing of seeds requiring light and after covering of seeds requiring dark for germination. Transplanting (Seedlings): Apply to the transplanting area using 3 quarts of solution/10 square feet before transplanting. Transplanting (Cuttings): Drench the cutting bed using 2 gallons of solution/10 square feet before setting. Potting: Dip bare root plants in the solution before potting. After potting drench each pot at the rate of 3.5 fl oz of solution/4 inch pot. Repeat the drench treatment at 3 to 6 week intervals.
Woody Ornamentals	2.5 fl. oz. per 10 gallons of water	For control of <i>Phytophthora</i> sp. on woody ornamentals such as azalea, drench each container at the rate of 5 quarts of solution/10 square feet of surface. Repeat the drench treatment at 3- to 4-month intervals.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aventis Environmental Science USA LP. All such risks shall be assumed by the user or buyer.

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Replaces-(940809)-Rev 7/00

BL-SL-5M 7/01