

U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460

NOTICE OF PESTICIDE:

<u>x</u> Registration _ Reregistration

(under FIFRA, as amended)

EPA Reg. Number:

45639-216

Date of Issuance:

JUL 15 1998

Term of Issuance:

Conditional

Name of Pesticide Product:

BANOL C

Name and Address of Registrant (include ZIP Code):

PM 21

AgrEvo USA Company Little Falls Centre One Wilmington, DE 19808

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 Adenty. 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:

- Make the following labeling change before you release the product for shipment:
 - Add the phrase "EPA Registration No. 45639-216."
 - Add the additional precautionary statement, "Avoid breathing vapors or spray mist" and add "or inhaled" to the sentence "harmful if swallowed or absorbed through skin."
 - Exclude the statement under "compatibility" concerning benomyl, for which turf and ornamental uses are canceled.

Signature of Approving Official:

many Waller

EPA Form 8570-6

2. Submit a copy of the final printed label.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec 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, along with our June 24, 1998 review of acute toxicology for BANOL C.

Sincerely yours,

Mary Waller

Product Manager (21)

Fungicide Branch

Registration Division (7505C)

Enclosures 7505C:L.Kutney, lk:7/14/98



BANOL C®

TURF AND ORNAMENTAL FUNGICIDE

For control of diseases in turf and ornamentals

NOT FOR SALE OR USE IN CALIFORNIA NOT FOR USE ON SOD FARMS IN ARIZONA

Active ingredients:		
Propamocarb hydrochloride, (Propyl [3	-(dimethylamino)prop	yl]
carbamate monhydrochloride)		30.5%
Chlorothalonil, (Tetrachloroisophthalon	itrile)	30.5%
Inert ingredients:		
	Total	100.0%
Contains 6.25 lb. active ingredient per	gallon (750 grams/lit	ter).
EPA Reg. No. 45639 Protected by U.S. Patent No. 4,959,388	EPA Estab. No	

DANGER

STATEMENT OF PRACTICAL TREATMENT / FIRST AID

If swallowed: Call a physician or poison control center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If in eyes: Hold eyelids open and flush with a steady, gentle stream of water. Get medical attention.

If on skin: Wash with plenty of soap and water. Get medical attention.

Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.

AgrEvo USA Company Little Falls Centre One 2711 Centerville Rd. Wilmington, DE 19808 with COMMENTS In EPA Letter Dated JUL 15 1998

Under the Federal Insecticide, Fundicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. (AgrEvo

45639-216

IN CASE OF MEDICAL EMERGENCIES OR HEALTH AND SAFETY INQUIRIES, OR IN CASE OF FIRE, LEAKING, OR DAMAGED CONTAINERS, INFORMATION MAY BE OBTAINED BY CALLING 800-228-5635, EXT. 202.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Wear goggles or face shield. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

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

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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. When handlers used closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in 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.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, and marine/estuarine organisms. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the high water mark. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from the treated areas.

GENERAL INFORMATION

BANOL C is a completely water miscible fungicide concentrate. BANOL C is intended for use on turfgrass or ornamental species which are subject to *Pythium* Blight (Cottony Blight, Grease Spot), *Phytophthora* spp., Brown Patch (*Rhizoctonia* spp.), Dollar Spot (*Sclerotinia homeocarpa*), Leaf Spot/Melting Out (*Drechslera* spp. *including D. poae, D. siccans, Bipolaris sorokiniana, Curvularia* spp.), Gray Leaf Spot (*Pyricularia grisea, P.*

oryzae), and Red Thread (*Laetisaria fuicformis*). It may be used immediately after germination to control Pythium damping-off in terf, or on established turf to prevent or control Pythium Blight and/or the diseases noted above. BANOL C 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 C is compatible with tenomyl, iprodione, ethazol, chloroneb, trichlorfon, triadimefon, diazinon, chlorpyrifos, and thiram. For control of other soil borne diseases such as *Fusarium* sp. BANOL C 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 fundiers 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 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 restrictedentry interval. The requirements of this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker reentry into treated areas during the restricted entry interval (REI) of 48 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:

- Coveralis
- Gloves
- · Shoes plus socks
- Protective eyewear

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 spray deposit has dried completely.

Mixing the Spray

Add one-half of the required amount of water to the spray or mixing tank and start agitation. Add the required quantity of BANOL C to the water and complete filling with water to the required total volume. Maintain agitation throughout spraying. Do not allow spray mixture to remain in the tank overnight, or for long periods during the day without agitation.

Applications

BANOL C may be applied via ground equipment or hydraulic backpack sprayers designed to deliver a uniform spray application. See dosage table below for rate and spray volume. BANOL C may be used in greenhouses.

Spray Drift Management

AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.

The interaction of many equipment- and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses, or to applications using dry formulations:

- 1. The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
- 2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed. The applicator should be familiar with and take into account the information covered in the <u>Aerial Drift Reduction Advisory</u>.

Use Precautions

Do not apply more than 24 fluid ounces of BANOL C per 1000 square feet in a single growing season. Not for field nursery use. To avoid spray drift, do not apply when winds exceed 10 mph.

Do not combine BANOL C in the spray tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination physically compatible, effective and noninjurious under your conditions of use. Do not combine BANOL C with Dipel 4L, Foil, Triton AG-98, Triton B-1956 or Latron AG98 as phytotoxicity may result from the combination when applied to some species on this label.

[Dipel is a registered trademark of Abbott Laboratories. Foil is a registered trademark of Ecogen, Inc. Triton B-1956 and Latron B-1956 are trademarks of Rohm and Haas Company.]

Do not mow or water after treatment until spray deposited on turfgrass is thoroughly dry; BANOL C should always be used in conjunction with good turf management practices.

DOSAGE RATES

TU	RFGRASS	AREA	Fluid Ounces BANOL C	REMARKS
For Control of:		1000 ft ²	Preventative Treatment:	ESTABLISHED TURF: Apply as a
•	Pythium Blight	1	2.75 - 4 fluid oz. in	preventative treatment during periods of high temperature and humidity favorable to the development of Pythium Blight.
Est	Pythium Damping Off on Established Turf and Overseeded Arees		2-5 gallons of water	
				OVERSEEDED AREAS: Apply after germination to control Pythium Damping-Off.
			Curative Treatment:	RETREATMENT: Re-treat at 7-21 day
			6 - 8 fluid oz. in 2-5 gallons of water	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 recommended rate and shortest interval.
F	for Control of:	1000 ft ²	Preventative Treatment:	ESTABLISHED TURF: Apply as a preventative treatment during periods considered favorable to disease
•	Dollar Spot	1000 π	4 - 8 fluid oz in 2-5 gallons of water	
•	Brown Patch			development.
	Leaf Spot, Melting Out			RETREATMENT: Re-treat at 7-14 day
•	Gray Leaf Spot			intervals if conditions remain favorable for
•	Red Thread		disease development. Use lower rate for the shorter interval and 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 24 fl. oz. (1.17 lb a.i.) of BANOL C per 1000 ft ² of turfgrass per year, equivalent to 25 lb a.i./acre/year each of propamocarb and chlorothalonil, respectively.

ORNAMENTALS	Fluid Ounces BANOL C	REMARKS
For Control of: Pythium and Phytophthora, Rhizoctonia, and other diseases on Ornamental Plants: Azalea,		BANOL C requires no agitation after initial prixing. Stock solutions of BANOL C should be used within one week of mixing. BANOL C does not cause phytotoxic symptoms on the listed plants when used as directed. Trials on other ornamental species should be conducted before extensive use.
Carnation,		
Chrysanthemum,	.	Seeding: Apply to the seeding area using 3 quarts of solution/10 ft ² . Treat before sowing of seeds requiring light and after covering of seeds requiring dark for germination.
Easter Lily,	6 fl. oz. per	
Ferns, Geranium,	10 gallons of water	
Impatiens,		
Lobelia		•
Pansy, Petunia,		Transplanting (SeedEngs): Apply to the
Poinsettia,	6 fl. oz. per	transplanting area using 3 quarts of solution 70 ft ² before transplanting.
Violet	10 gallons of water	
	4 fl. oz. per 10 gallons of water	Transplanting (Cuttings): Drench the cutting bed using 2 gallons of solution /10 ft² before setting.
	4 fl. oz. per . 10 gallons of water	Potting: Dip bare root plants in the solution before potting. After potting drench each pot at the rate of 7 fl. oz. of solution per 4 inch pot. Repeat the drench treatment at 6 week intervals.
Woody Ornamentals	5 fl. oz. per	For control of Phytophthora sp. on woody
	10 gallons of water	ornamentals, drench each container at the rate of 5 quarts of solution /10 ft ² of surface. Repeat the drench treatment at 3 to 4 month intervals

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: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container disposal: Do not reuse empty container. 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.

IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, 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, because of extreme weather and soil conditions, manner of use and other factors beyond AgrEvo USA Company's control, it is impossible for AgrEvo USA Company to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of AgrEvo USA Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. AgrEvo USA Company disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT AGREVO USA COMPANY'S ELECTION, THE REPLACEMENT OF PRODUCT.

CAgrEvo USA Company, 1996



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