

432-961

09/06/2007

19



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

SEP 6 2007

Richard M. Gorrell
Bayer Environmental Science
2 T.W. Alexander Dr.
Research Triangle Park, NC 27709

SUBJECT: Label Amendment for Chlorothalonil RED
Bancol C
EPA Reg. No. 432-961
Your Submission Dated November 12, 1999 and August 28, 2007

Dear Mr. Gorrell:

EPA determined that you fulfilled the requirements of the Chlorothalonil RED for the subject product. However, we are unable to reregister the product under FIFRA 4(g)(2)(c) at this time, because it also contains the active ingredient Propamocarb. This product will be reregistered once the data requirements have been satisfied for this product under the Propamocarb RED.

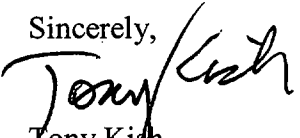
Within thirty (30) days from the date of this letter, you must submit a revised master label which adds the following changes. If these conditions are not complied, with the registration will be subject to cancellation in accordance with FIFRA section 6(e).

1. On page 1, line up the ingredient statement numbers flush right.
2. On page 2, in the Environmental Hazards section, line three should read "organisms in neighboring areas. Do not contaminate.....water or rinsate." It needs a space after the period.
3. On page 4, the sentence regarding the sod farm application rate should read as follows: "Do not use for sod farms at application rates greater than 13 pounds of active ingredient, per, acre, per year.

4. On page 4 delete "This product must not be formulatedlawns." Also delete, "Use of this product on home lawns is prohibited."

5. On page 5 at the top, delete "and non residential lawns." Non-residential turf must be specified and not conflict with the restricted turf sites.

Your release for shipment of the product bearing amended labeling constitutes accepting of these conditions. One copy of the label stamped "Accepted with comments" is enclosed for your records. If you have any questions regarding this correspondence, contact Rose Kearns of my staff by phone at 703-305-5611 or via email at kearns.rosemary@epa.gov or myself at 703-308-9443 or via email at kish.tony@epa.gov.

Sincerely,

Tony Kish
Product Manager (22)
Fungicide Branch
Registration Division (7504P)

Enclosure

3/9

BANOL[®] C FUNGICIDE

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 INGREDIENT:

Propamocarb hydrochloride Propyl[3(dimethylamino)propyl]carbamate monohydrochloride.....	30.5%
Chlorothalonil (Tetrachloroisophthalonitrile).....	30.5%
OTHER INGREDIENTS:	39.0%
TOTAL	100.0%

Contains 6.25 lbs. active ingredient per gallon

Protected by U.S. Patent No 4,959,388

EPA Reg. No. 432-961

EPA Est. No. 407-IA-02

KEEP OUT OF REACH OF CHILDREN DANGER

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand the label find someone to explain it to you in detail.)

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> • 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.
IF SWALLOWED:	<ul style="list-style-type: none"> • 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 by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice.
Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.	
IN CASE OF MEDICAL, ENVIRONMENTAL, OR TRANSPORTATION EMERGENCIES OR INJURIES, CALL 1-800-334-7577 (24 HOURS/DAY)	

For Product Information Call 1-800-331-2867

NET CONTENTS: 2.5 GALLONS

**ACCEPTED
with COMMENTS
In EPA Letter Dated
SEP 6 2007**

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.**

432-961

4/9

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER-PELIGRO

Corrosive. Causes irreversible eye damage. Harmful if swallowed, or absorbed through the skin, or inhaled. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing vapor or spray mist. 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
- Chemical-resistant (such as nitrile or butyl) gloves made of any waterproof material.
- Shoes plus socks
- Protective eyewear

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 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.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "Applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS

USERS SHOULD:

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

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.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates and wildlife. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash water or rinsate.

Chlorothalonil is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface waters.

5/9

GENERAL INFORMATION

BANOL® C is a water dispersible 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 fuciformis*). It may be used immediately after germination to control *Pythium* damping-off in turf, 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 has been found to be compatible with many commonly used pesticides and fertilizer products. However, do not tank mix BANOL C with pesticides, surfactants, or fertilizers, unless your prior use has shown the combination physically compatible, effective, and noninjurious under your conditions of use. When tank mixing BANOL C with other products, observe all restrictions precautions and limitations which appear on the label of each product.

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, other persons, or pets, either directly or through drift. Keep people and pets out of the area during application. 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(PPE) and restricted-entry 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 entry 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:

- Coveralls
- Chemical-resistant (such as nitrile or butyl) gloves.
- Shoes plus socks
- Protective eyewear

Special Eye Irritation Provisions: This product is a severe eye irritant. Although the restricted-entry interval expires after 12 hours, for the next 6 ½ days entry is permitted only when the following safety measures are provided:

- 1) At least one container designed specifically for flushing eyes must be available in operating condition at the WPS required decontamination site intended for workers entering the treated areas.
- 2) Workers must be informed, in a manner they can understand:
 - Residues in the treated area may be highly irritating to their eyes,
 - Workers should take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes. If workers do get residues in their eyes, they should immediately flush their eyes using the eye flush container that is located at the decontaminated site or using other readily available clean water
 - Instructions explaining "How to operate the eye flush container" must be explained to workers.

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 Fungicide to the water and complete filling with water to the required total volume. Maintain agitation when filling the spray tank and during spray operations. Do not allow spray mixture to remain in the tank overnight, or for long periods during the day without agitation.

If the spray mixture cannot be used within a reasonable period of time after mixing, and agitation cannot be maintained continuously, add an approved suspension aid (silica and alumina based) such as ASSIST and thoroughly mix prior to application.

APPLICATIONS

BANOL C Fungicide 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.

USE PRECAUTIONS

This product must not be formulated into products labeled for use on home lawns.

Use of this product on home lawns is prohibited.

Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields, athletic fields allocated on or next to schools (i. e., elementary, middle, and high schools), campgrounds, churches, and theme parks.

Do not use for sodfarms at application rates greater than 26 lbs Banol C a.i./A/year equivalent to 13 lbs a.i./A/year of chlorothalonil

Do not apply more than 24 fluid ounces of BANOL C Fungicide 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, Latron AG-98, or Latron B-1956, as phytotoxicity may result from the combination when apply to some species on this label.

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.

7/9

Banol C may be applied to turfgrass sites such as: golfcourses, sodfarms and non-residential lawns.

TURFGRASS	AREA	Fluid Ounces BANOL C	REMARKS
For Control of: Pythium Blight, Pythium Damping Off on Established Turf and Over seeded Areas	1000 ft ²	Preventative Treatment: 2.75 -4 fluid oz. in 2-5 gallons of water Curative Treatment: 6-8 fluid oz. in 2-5 gallons of water	ESTABLISHED TURF: Apply as a preventative 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: Re-treat at 7, 14, or 21 day intervals if conditions remain favorable for disease development. For greens and tees, use lower rate for the shorter interval (7 days) and the higher rate for the longer interval (14-21 days) within the application rate range. For fairways, apply the first application at 8 fluid oz./1000 ft ² and use 6 fluid oz./1000 ft ² for the shorter interval (7 days), thereafter.
For control of Dollar Spot Brown Patch Leaf Spot, Melting Out Gray Leaf Spot Red Thread	1000 ft ²	Preventative Treatment: 4 -8 fluid oz. in 2-5 gallons of water	ESTABLISHED TURF: Apply as a preventive treatment during periods considered favoragle to disease development. RETREATMENT: Re-treat at 7 or 14 day intervals if conditions remain favorable for disease development. Use lower rate for the shorter interval (7 days) and the higher rate for the longer interval (14 days) within the application rate range. For greens and tees, use the lower rate for the shorter interval (7 days) and the higher rate for the longer interval (14-21 days) within the application rate range. For fairways, apply the first application at 8 fluid oz./1000 ft ² and use 6 fluid oz./1000 ft ² for the shorter interval (7 days), thereafter. The maximum single application rate is 8 fluid oz./1000 ft ² on a 14 day interval and 6 fluid oz./1000 ft ² on a 7 day interval. The maximum amount to use per year is 24 fluid oz. (1.17 lb. a.i.) of Banol C/1000 ft ² of turfgrass. This is equivalent to 25 lb. a.i./acre/year each of propamocarb and chlorothalonil, repectively.

ORNAMENTALS	Fluid Ounces BANOL	REMARKS
For Control of: <i>Pythium</i> and <i>Phytophthora</i> <i>Rhizoctonia</i> and other diseases		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.
on Ornamental Plants:		
Azalea,	6 fl. oz. per	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.
Carnation,	10 gallons of water	
Chrysanthemum,		
Easter Lily,		
Ferns, Geranium,	6 fl. oz. per	Transplanting (Seedlings): Apply to the transplanting area using 3 quarts of solution /10 ft ² before transplanting.
Impatiens,	10 gallons of water	
Lobelia,		
Pansy, Petunia,	4 fl. oz. per	Transplanting (Cuttings): Drench the cutting bed using 2 gallons of solution /10 ft ² before setting.
Poinsettia,	10 gallons of water	
Violet		
	4 fl. oz. per 10 gallons of water	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. Repeat the drench treatment at 6 week intervals.
Woody Ornamentals	5 fl. oz. per 10 gallons of water	For control of <i>Phytophthora sp.</i> on woody 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.

PESTICIDE 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.

9/9

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 must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, 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 Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience LP is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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 BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.



Bayer Environmental Science

**Bayer Environmental Science
A Business Group of Bayer CropScience LP
PO Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, NC 27709**