

pm 25

400-453

F, 1, 2 1 of 7



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAY 6 1994

Uniroyal Chemical Company
74 Amity Road
Bethany, CT 06524-3402

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

**Subject: Label Amendment Submission of 6/28/93 in Response to PR Notice 93-7
EPA Reg. No. 400-453
Terraclor Flowable Fungicide**

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

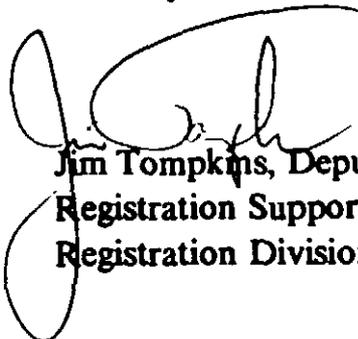
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

**Uniroyal Chemical Company
74 Amity Road
Bethany, CT 06524-3402**

**Terraclor Flowable Fungicide
EPA Reg. No. 400-453**

Comments:

Delete "Wash thoroughly with soap and water after handling." as marked and use statement c., under item 6 of Section A on the Product Worksheet.

Correct the typographical error ("nitrite" rubber) that appears several places as marked. It should be "nitrile" rubber.

TERRACLOR®

447

FLOWABLE FUNGICIDE



ACCEPTED
with COMMENTS
In EPA Letter Dated

MAY 6 1994

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

400-453

COMPOSITION

| | |
|--------------------------------------|------|
| Active Ingredient: (% by weight) | |
| Pentachloronitrobenzene (PCNB) | 40% |
| Inert Ingredients: | 60% |
| TOTAL | 100% |

Contains 4 lbs. of Pentachloronitrobenzene per U.S. gallon.

UNIROYAL CHEMICAL COMPANY, INC., Middlebury, CT 06749

003WPS

EPA REG. NO. 400-453

EPA EST. NO.

NET WEIGHT

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category E on an EPA chemical resistance category selection chart.

Applicators and Other Handlers (other than mixers and loaders) Must Wear: A long-sleeved shirt & long pants; chemical resistant gloves such as barrier laminate, or nitrile rubber, or neoprene rubber, or viton; shoes plus socks.

Mixers and Loaders Must Wear: A long-sleeved shirt & long pants; chemical resistant gloves such as barrier laminate, or nitrile rubber, or neoprene rubber, or viton; shoes plus socks. For exposures in enclosed areas: A respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G). For exposure outdoors: Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

Follow manufacturer's instructions for cleaning and 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 by 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 pesticide is toxic to fish and aquatic organisms. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean water mark. Do not contaminate water when disposing of equipment washwaters.

BEST AVAILABLE COPY

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 THROUGH ANY TYPE OF IRRIGATION SYSTEM.

DO NOT PLANT ROOT CROPS IN PCNB TREATED FIELDS WITHIN 12 MONTHS OF BROADCAST AND BANDING APPLICATIONS UNLESS PCNB IS REGISTERED FOR USE ON THOSE CROPS.

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 instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE); and restricted-entry intervals. 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.

Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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 gloves such as barrier laminate or nitrile rubber, or neoprene rubber, or viton.
- shoes and socks.

GENERAL INFORMATION

TERRACLOR FLOWABLE is a protective fungicide recommended for control of certain soil borne diseases of vegetable crops. Best results are achieved when used in a preventative program following recommended rates and application directions. Carefully read, understand and follow label directions.

VEGETABLES

TERRACLOR FLOWABLE should be applied as a preventative fungicide to vegetable crops. It is important when using TERRACLOR FLOWABLE as a protective fungicide that material be placed into the soil. This can be accomplished as a soil drench, mechanical incorporation or as an infurrow application. See use and rate recommendations for specific crop use recommendations and diseases controlled by TERRACLOR FLOWABLE.

When rate range is shown the lower rate should be used on lighter soils or disease pressure is expected to be low. The higher rates should be used on heavy soils, in fields with a history of disease problems, or when weather conditions are expected to be unfavorable for rapid germination and growth of seedlings.

| CROP | DISEASES CONTROLLED |
|--------------------|---|
| BEANS (snap & dry) | Root & Stem Rot (<i>Rhizoctonia solani</i>) |
| PEPPERS, TOMATOES | Southern Blight (<i>Sclerotium rolfsii</i>) |
| GARLIC | White Rot (<i>Sclerotium capivorum</i>) |
| BROCCOLI | Wire Stem or Black Root (<i>Corticium solani</i>) |
| BRUSSELS SPROUTS | Club Root (<i>Plasmodiophora brassicae</i>) |
| CABBAGE | |
| CAULIFLOWER | |
| COTTON | Damping Off (<i>Rhizoctonia solani</i>) |
| PEANUTS | Root & Stem Rot (<i>Rhizoctonia solani</i>) Southern Stem & Root Rot (<i>Sclerotium rolfsii</i>) |

| CROP | DISEASE | RATE OF TERRACLOR FLOWABLE FUNGICIDE | | RECOMMENDED APPLICATION |
|--|--|---|----------------------------|---|
| | | AMOUNT/ACRE | FL. OUNCE/1000 FEET OF ROW | |
| PEANUTS | Root and Stem Rot (<i>Rhizoctonia solani</i>) | 2 to 4 pints Apply in 8 to 10 gallons of water. (36 inch row spacing) | 2.2 to 4.4 | AT PLANTING: Apply specified dosage as a directed in-furrow spray to the seed and surrounding soil at planting time. Do not use in California. |
| | Southern stem and root rot (<i>Sclerotium rolfsii</i>) | 2.5 gal. Apply in 8 to 10 gallons of water. (36 inch row spacing) | 22.0 | AT-PEGGING BAND: Apply specified dosage as a spray in a 12 inch band centered on the row so as to cover the crown and pegging zones of the plant. Do not move any untreated soil into the treated area. |
| | | 6.5 pints Apply in 8 to 10 gallons of water. (36 inch row spacing) | 7.2 | AT CULTIVATION: Apply specified dosage at cultivation. Do not apply more than 3 times per crop season. Attach two spray nozzles per row of inside cultivator sweeps (one on each side) and adjust so as to treat a total band of 12 inches centered on the row. Do not pile untreated soil on crown of plant. |
| Do not exceed 10 lbs. PCNB active ingredient per acre in any one season, regardless of the method of application or formulation used. Do not apply within 45 days of harvest. Do not feed treated vines to livestock. Do not allow hogging down of peanuts. | | | | |

BEST AVAILABLE COPY

6097

| CROP | DISEASE | RATE OF TERRACLOR FLOWABLE FUNGICIDE | | RECOMMENDED APPLICATION |
|------|---------|--------------------------------------|----------------------------|-------------------------|
| | | AMOUNT/ACRE | FL. OUNCE/1000 FEET OF ROW | |

| | | | | |
|--|--|---|------|--|
| BROCCOLI BRUSSELS SPROUTS CABBAGE CAULIFLOWER COLLARDS* KALE* MUSTARD GREENS* | Clubroot (plasmodiophora brassicae) | Mix 3 pints in 100 gallons of water. Use ½ pint of this solution per plant. | | Transplant Solution: The applied dosage of TERRACLOR should be based on the severity of the disease infection. Maintain agitation to hold in suspension. |
| | | — OR — | | |
| | | 5.6 gal. Apply in 25 gallons of water. (40 inch row spacings) | 55.0 | |
| — OR — | | 7.5 gal. Apply in 30 gallons of water. | — | Broadcast Application: Apply as a preplant broadcast prior to planting. Thoroughly incorporate to a depth of 4 to 6 inches using a disc or other suitable equipment. May be used on cole crops which are direct seeded. |

Note: for effective control of clubroot, it is extremely important to thoroughly mix TERRACLOR with the soil.

| | | | | |
|--|---|--|--------------|---|
| | Wire Stem or Black Root (Corticium solani) | 2.8 to 3.8 gal. Apply in 50 gallons of water. | | Broadcast Drench Application: Apply as a soil drench at the time of or immediately after seeding. For smaller areas use 1 level tablespoon per gallon of water as a soil drench per 50 sq. ft. of seed bed. Apply with water can or similar equipment. |
| | | — OR — | | |
| | | 1.9 to 2.8 gal. Apply in 35 gallons of water. (40 inch row spacings) | 18.6 to 27.4 | |

*Based on the available residue data, the use of TERRACLOR on collards, kale and mustard greens is restricted to the state of Georgia. Apply only at planting time. Do not exceed 30 lbs. of PCNB active ingredient per acre in any one season regardless of the method of application or formulation used.

| | | | | |
|---|---|---|------------|---|
| DRY, SUCCULENT, & SNAP BEANS | Root and Stem Rot (Rhizoctonia solani) | 2 to 3 pints Use in 8 to 10 gallons of water. (36 inch row spacing) | 2.2 to 3.3 | Spray planting furrow and covering soil at planting time. Avoid spraying directly to seed; otherwise delayed emergence may occur. Use lower rate on lighter soils. |
| | | In California & Arizona: 1.5 to 2.0 pints in 8 to 10 gals. (spacings as above) | 1.7 to 2.2 | |

Apply only at planting time.

| | | | | |
|---------------|--|--|--------------|--|
| COTTON | Damping off - Soreshin (Rhizoctonia solani) | 1.5 to 3.0 pints Use in 3 to 10 gals. of water. (40 inch row spacings) | 1.85 to 3.70 | In-Furrow Application: Apply to soil around the seed and to the covering soil as it fills the furrow using suitable spray equipment. Two (2) nozzles work best, center the front nozzle to spray the open furrow to cover the soil around the seed and the rear nozzle to spray the covering soil as it fills the furrow. |
|---------------|--|--|--------------|--|

NOTE: Use maximum rate of TERRACLOR FLOWABLE for no-till cotton or when disease pressure is expected to be high. For broader spectrum disease control (Rhizoctonia and Pythium spp.) TERRACLOR FLOWABLE may be tank mixed with Ridomil 2E. Use Ridomil at a rate of 1/4 to 1/2 pint per 13000 linear feet of row (0.3 to 0.6 fl. oz./1000 linear feet) with TERRACLOR FLOWABLE as an in furrow spray in 5 to 15 gallons of water at planting. When TERRACLOR FLOWABLE is applied with Ridomil 2E, observe all precautions and restrictions that appear on the Ridomil 2E label.

Do not exceed 2 lbs. of PCNB active ingredient per acre in any one season applied as spray or granular formulations.

Apply only at planting time.

Do not allow the feeding or grazing of cotton foliage by livestock.

Ridomil is a registered trademark of Ciba-Geigy Corporation

BEST AVAILABLE COPY

787

| CROP | DISEASE | RATE OF TERRACLOR FLOWABLE | | RECOMMENDED APPLICATION |
|--------|----------------------------------|---|----------------------------|--|
| | | AMOUNT/ACRE | FL. CUNCE/1000 FEET OF ROW | |
| GARLIC | White Rot (Sclerotium capivorum) | 5 gallons Apply in 100 gallons of water. (24 inch row spacings) | 29.4 | Apply at planting. Attach a suitable rig to the planter and spray 8 to 12 inch bands using 2 nozzles per planting furrow. Direct front nozzle to spray the bottom of the open furrow and the "seed" as it is dropped. Direct the rear nozzle to spray the covering soil. |
| | | — OR — | | |
| | | 2.5 gals. per 1,000 lbs. of "seed" cloves. | | Clove Treatment: Mix in sufficient water to apply dosage as a uniform mist-spray for complete coverage of treated cloves. For optimum results add a commercial sticker to the spray solution. |

Apply only at planting time. Do not exceed 20 lbs. of PCNB active ingredient per acre in any one season regardless of the method of application or formulation used.

| | | | | |
|---------------------|--------------------------------------|--|--------------|---|
| PEPPERS TOMATOES | Southern Blight (Sclerotium roitsii) | Mix 4.5 pints in 100 gallons of water. Use ½ pint of this solution per plant. | | Transplant Solution: Apply at the time of transplanting. The solution should be agitated often to maintain a uniform suspension and assure proper dosage. Apply only at planting time. TOMATOES - Do not exceed 7.0 lbs. PCNB active ingredient per acre in any one season (based on 5000 plants/acre) or 16.5 lbs. PCNB active ingredient per acre in any one season (based on 11,733 plants/acre). PEPPERS - Do not exceed 20 lbs. PCNB active ingredient per acre in any one season. |
| | | — OR — | | |
| | | 1.2 to 1.8 Apply in 100 gallons of water. (36 inch row spacings) | 10.6 to 15.8 | In-Furrow: Apply as an in-furrow spray to the open "V" trench, just prior to planting. When cultivating, set plows as flat as possible to avoid getting untreated soil against stems of plants. Apply only at planting time. Do not exceed 7.2 lbs. of PCNB active ingredient per acre in any one season. |

ROTATION RESTRICTION: Do not plant root crops in PCNB treated fields within 12 months of broadcast and banding applications unless PCNB is registered for use on those crops.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not reuse empty containers. Do not contaminate water, food or feed by storage or disposal.
STORAGE: Keep container closed when not in use. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.
PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the nearest EPA Regional Office for guidance.
CONTAINER DISPOSAL: Triple rinse (or equivalent). Pressure rinse is preferred. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

IMPORTANT NOTICE — Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

® TERRACLOR is a Registered Trademark of Uniroyal Chemical Company, Inc.
 © Copyright 1992, Uniroyal Chemical Company, Inc.

BEST AVAILABLE COPY