

pm 21

400-422

1/12/98

page 174

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JAN 12 1998

Willard F. Cummings  
UNIROYAL CHEMICAL CO.  
74 Amity Road  
Bethany, CT. 06524-3402

Subject: Label Amendment  
Terrazole 4EC  
EPA Reg. No. 400-422  
Your Letter Dated Oct. 17, 1997

Dear Mr. Cummings:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), is acceptable subject to the following condition:

Revise the measurement under Cotton/Soil In-Furrow Application which reads "oz." to read "fl. oz." since the product is a liquid.

A stamped copy of the labeling is enclosed for your records. Please submit one (1) copy of your final printed labeling before you release the product for shipment.

If you have any questions, then please contact Summer Gardner-Jenkins of my staff at (703) 308-9353.

Sincerely,

*Mary L. Waller*

Mary L. Waller  
Acting Product Manager (21)  
Fungicide Branch

Registration Division (7505C)

CONCURRENCES

SYMBOL	Enclosure						
SURNAME	<i>M.L.W.</i>						
DATE	<i>12/5/97</i>						

284

# TERRAZOLE<sup>®</sup> 4EC

Net contents:

### COMPOSITION

Active Ingredient: (% by weight)	
5-Ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole*	44.3%
Inert Ingredients:**	55.7%
Total:	100.0%

\*Contains 4 lbs. of 5-Ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole per U.S. Gallon at 20°C.

\*\*Contains Petroleum Distillates

## KEEP OUT OF REACH OF CHILDREN DANGER • PELIGRO

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: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.
  - IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol.
  - IF ON SKIN: Wash with plenty of soap and water. Get medical attention.
  - IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
- NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. All treatments should be based on signs and symptoms of distress in the patient.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with skin. Avoid breathing vapors.

### 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 G on an EPA chemical resistance category selection chart.

**Applicators and Other Handlers Must Wear:** Long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate or viton; 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 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 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

Do not apply directly to water, 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.

### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
JAN 12 1998  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
400-438



**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 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 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 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.

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 viton
- shoes plus socks
- protective eyewear

Terrazole is useful as a soil fungicide for control of damping-off, root and stem diseases caused by Pythium and Phytophthora. Use only at recommended rates as overdosage may be harmful to sensitive plants. Do not mix with chemicals, other than Terraclor® unless prior use has proven compatibility.

**ORNAMENTALS**

For bedding and bench plantings use with water as a soil drench at time of seeding and transplanting in commercial nurseries and greenhouses. The drench solution should be continually agitated to assure uniform application of the fungicidal material. To improve penetration of the fungicide, the drenching must be followed with an equal quantity of water applied either by sprinkling or by irrigation.

**TANK MIXTURE COMPATIBILITY**

Combinations of Terrazole 4EC with fungicides, insecticides, plant growth regulators or fertilizers should be checked for compatibility before tank mixing. Use a jar test to mix the recommended proportions of each product in a volume of water which is proportionate to the expected field use rate. The mix is considered compatible if it remains stable or can be easily reconstituted by shaking after standing for 5 minutes.

<b>BEDDING PLANTS</b>				<b>BEDDING PLANTS:</b> (Soil 2" to 3" Deep) -Add 3 to 4 fl. ozs. to 100 gallons of water and apply to 400 sq. ft. of bed area. Repeat application may be made at one to two month intervals, if necessary.
Alyssum	Dahlia	Petunia	Vinca	
Calendula	Dianthus	Phlox	Zinnia	
Celosia	Larkspur	Salvia		
Chrysanthemum	Marigold	Snapdragon		
Coleus	Pansies	Verbena		
<b>FOLIAGE PLANTS</b>				<b>TROPICAL FOLIAGE, HERBACEOUS and WOODY PLANTS:</b> (Peat and other high organic media 6" deep).  <b>Bed and Bench Plantings:</b> Add 2 to 4 fl. ozs. in 100 gallons of water and apply to 400 sq. ft. of bed or bench area. Repeat application at two to three month intervals to maintain disease control.
Aglaonema	Chinese Evergreen	Maranta	Stromanthe	
Anthurium	Crassula	Nephrolepis	Zygocactus	
Cactus	Dieffenbachia	Nephtytis		
Caladium	Gynura	Peperomia		
Calathea	Hedera	Pilea		
Chamadorea	Hoya	Pothos		
<b>HERBACEOUS AND WOODY PLANTS</b>				<b>Pot Plantings:</b> Use ½ pint solution per 6" pot or in sufficient amount to saturate the soil.
African Violet	Easter Lily	Gerbera	Poinsettia	
Azalea	Euonymus	Juniper	Red Pine	
Boxwood	Ficus	Kalanchoe	Rhododendron	
Chrysanthemum	Geranium	Pieris	Sinningia	

## COTTON

4 9 4

To control Water Mold seed decay (pre-emergence damping off) caused by *Pythium* spp.:

### Soil In-Furrow Application

At planting time use 4 to 8 oz. per acre (per 13,000 linear feet based on 40 inch rows) mixed with 5 to 15 gallons of water.

Apply the specified dosage to the soil around the seed and to the covering soil as it fills the furrow. The soil around the seed and the covering soil should be thoroughly mixed with the product. Two nozzles work best; center the front nozzle over the open furrow to spray the soil around the seed and the rear nozzle to spray the covering soil as it fills the furrow. The higher rates should be used when weather conditions are expected to be unfavorable for rapid germination, fields have a history of disease problems or minimum or low till programs are utilized.

For broader spectrum seedling disease control, Terrazole 4EC can be mixed with Terraclor® 2E or other products registered as in-furrow fungicides to control *Rhizoctonia*. See tank mixture compatibility comments.

### NOTE:

When Terrazole 4EC is applied with other products, observe all precautions and restrictions that appear on the labels.

### Caution Statements

Do not allow the feeding or grazing of cotton foliage by livestock. Apply only at planting time.

### STORAGE AND DISPOSAL

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

**STORAGE:** Store in a dry location.

**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 other procedures approved by State and local authorities.

### EMERGENCY ASSISTANCE:

UNIROYAL CHEMICAL EMERGENCY PHONE 203-723-3670

SAFETY DATA AND INFORMATION 203-573-3303

TRANSPORTATION EMERGENCY (CHEMTREC) 800-424-9300

**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.

©Terrazole and Terraclor are Registered Trademarks of UNIROYAL CHEMICAL COMPANY, INC.

©Copyright 1997, Uniroyal Chemical Company, Inc.