



PR 93 400-407 15 17 File
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

3 / 1993

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

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

Subject: Label Amendment Submission of 07/16/93 in Response to PR Notice 93-7
EPA Reg. No. 400-407
TURFCIDE 10% GRANULAR

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

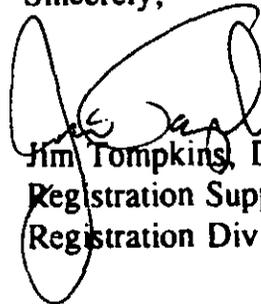
Submit the final printed labeling via the U.S. Postal Service to:

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Willard F Cummings
UNIROYAL CHEMICAL CO INC
74 AMITY RD
BETHANY CT 06524

Comment for: EPA Reg Nr.400-407
TURFCIDE 10% GRANULAR

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

The requirement under the heading "Personal Protective Equipment" must state: "Applicators and other handlers must wear:". Cross out your lead-in statement and replace it with correct one. EXCEPTION: If you have an entirely separate PPE section specifying what "Mixers and loaders must wear", the requirement under the heading "Personal Protective Equipment" must state: "Applicators and other handlers (other than mixers and loaders) must wear:". Cross out your lead-in statement and replace it with the correct one.

The glove requirement for "applicators and other handlers" in the "Personal Protective Equipment" section on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "Waterproof gloves." The exact location is shown in Sections A and B on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

TURFCIDE®

10% GRANULAR

TURF & ORNAMENTAL FUNGICIDE

**UNIROYAL
CHEMICAL**

COMPOSITION

Active Ingredients: (% by weight)	
Pentachloronitrobenzene (PCNB)	10.0%
Inert Ingredients	90.0%
Total:	100.0%

UNIROYAL CHEMICAL COMPANY, INC., Middlebury, CT 06749
 EPA REG. NO. 400-407
 EPA EST. NO.

NET WEIGHT

ACCEPTED
 with COMMENTS
 In EPA Letter Dated
 MAR 31 1994

Under the Federal Insecticide,
 Fungicide, and Rodenticide Act
 as amended, for the pesticide
 registered under EPA Reg. No.
400-407

004 WPS

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes with plenty of water. Get medical attention.
IF ON SKIN: Wash with plenty of water. Get medical attention.
IF SWALLOWED: Drink promptly a large quantity of milk, egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust. This material may cause skin irritation. Avoid contact with eyes, skin or clothing. Do not handle or apply product with bare hands.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and Other Handlers (other than mixers and loaders) Must Wear: A long-sleeved shirt & long pants and shoes plus socks. *waterproof gloves*
Mixers and Loaders Must Wear: A long-sleeved shirt & long pants; ~~waterproof gloves and shoes plus socks.~~ *delite*
 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.

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. Cover, collect, or incorporate spilled granules. Do not contaminate water when disposing of equipment washwaters. Do not apply directly adjacent to potable water supplies.

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 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
- waterproof gloves
- shoes and socks.

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

GENERAL INFORMATION

TURFCIDE 10G is a preventative fungicide recommended for control of certain soil borne diseases of turf and certain ornamental crops. Best results are achieved when used in a preventative program following recommended rates and application directions. Carefully read, understand and follow label directions.

LAWNS AND TURF

TURFCIDE 10G is a fungicide for the prevention and control of certain soil borne diseases on golf courses, sod farms, home lawns and institutional areas where turf is grown.

Best results are obtained when TURFCIDE 10G is used as a preventative application before diseases appear, however, if you do not apply as a preventative treatment, TURFCIDE 10G should be applied at first sign of disease.

Areas treated with TURFCIDE 10G should be watered following application to move material down to soil level. If treated area is subjected to

flooding or unusually heavy rainfall, or if disease is severe or reappears, the area should be treated again.

See use and rate recommendations for intervals for retreating. Do not graze treated areas or feed clippings to livestock.

Under certain growing conditions, a temporary discoloration of the grass may occur. This causes no harm and will disappear in a short time.

SUGGESTED SPREADER SETTINGS

SPREADER MAKE	RATE/1000 SQ. FT.			
	2 lbs.	2.5 lbs.	5 lbs.	7.5 lbs.
CYCLONE	3½	3¾	6	7½
SCOTTS	5⅞	5⅞	6½	7½
SEARS	6¼	6½	7½	9
SPYKER	2.8	3	3.6	4
JOHN DEERE	2.8	3	3.6	4
LESCO ROTARY	C	D	G	I

These settings apply to 20/40 mesh granular carriers. The spreader settings listed above are approximate. Accurately weigh a few pounds into your spreader and apply to measured area. Then adjust spreader setting, if necessary, in order to assure correct rate of application.

BEST AVAILABLE COPY

USE AND RATE RECOMMENDATIONS FOR TURF

DISEASE	TURF TYPE	POUNDS PER 1000 SQ. FT.	APPLICATION NOTES
Brown Patch (<i>Rhizoctonia solani</i>)	Warm climate grasses such as: St. Augustine Bermuda	7½	Apply one application in the spring or at first indication of disease. If disease is severe or reappears, retreat 3 to 4 weeks later.
	Dichondra	7½	Treat as above.
	Cool climate grasses such as: Bluegrass Ryegrass Fescue Bent	2 to 2½	Apply at first sign of disease. Repeat every 7 to 10 days during warm, damp weather. For of existing infections, apply at higher rates as soon as symptoms appear.
Leaf Spot/ Melting Out (<i>Drechslera</i> spp. formerly <i>Helminthosporium</i> spp.)	All	5 to 7½	Preventative applications should be in spring or fall of each year. For control of existing infections, apply at higher rate as soon as symptoms appear. If disease is severe or reappears, area should be retreated 3 to 4 weeks later.
Dollar Spot* (<i>Sclerotinia homoeocarpa</i>)			
Gray Snow Mold (<i>Typhula incarnata</i>)	Cool climate grass	5 to 7½	Make one application prior to first snowfall.
Pink Snow Mold (<i>Fusarium nivale</i>)			

*Do not use for Dollar Spot in California.

ORNAMENTALS

DISEASES CONTROLLED

TURFCIDE 10G can be used as a soil treatment for protection against a variety of soil borne diseases in greenhouse and field grown ornamentals. It is important that TURFCIDE 10G be mixed in the soil for best results. See use and rate recommendations for specific plant and disease recommendations.

When a rate range is shown, the lower rate should be used on light or coarse textured soils or when disease pressure is expected to be low. The higher rates should be used on heavy or fine textured 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.

Common Name
Damping, Off, Root/Stem Rot

Crown Rot
Bulb Dry Rot
Black Rot/Stem Rot
Bulb Rot/Stem Rot
Neck Dry Rot

Causal Agent
Rhizoctonia solani
Pellicularia filamentosa
Pellicularia rolfsii
Sclerotinia gladioli
Sclerotinia sclerotiorum
Sclerotium rolfsii
Stromatinia gladioli

USE AND RATE RECOMMENDATIONS FOR ORNAMENTALS

CROP	DISEASE	POUNDS PER 1000 SQ. FT.	APPLICATION NOTES
African Violet Begonia Calendula Carnation Chrysanthemum Larkspur Poinsettia Snapdragon Sweet Pea Similar bedding and flowering plants.	Root/Stem Rot, Damping Off (<i>Rhizoctonia solani</i>) (<i>Pellicularia filamentosa</i>)	15	BROADCAST: Spread evenly on the soil surface and thoroughly mix into the top 2 inches of soil. Apply to a well prepared seed bed.
	Stem Rot (<i>Sclerotinia sclerotiorum</i>)	20	BROADCAST: Apply one week prior to planting. Spread evenly on the soil surface and thoroughly mix into the soil to a depth of 4 inches.
Hyacinths Iris (bulbous) Lilies (Easter) (Asiatic) (Oriental) Narcissus Tulips	Crown Rot (<i>Pellicularia rolfsii</i>) Black Rot (<i>Sclerotinia sclerotiorum</i>) Root Rot (<i>Rhizoctonia solani</i>)	20 to 40	BROADCAST: Spread evenly on the soil surface and thoroughly mix into the upper 6 to 7 inches of soil by double discing or rotovating. Use lower rate for coarse textured (light) soils and higher rate for fine textured (heavy) soil. Use higher rate for Black Rot control.
	Bulb Rot/Stem Rot (<i>Sclerotium rolfsii</i>)	20 to 40	BROADCAST: Apply evenly to the soil surface and thoroughly mix into the top 2 to 3 inches of soil by discing or roto-tiling. BAND: Apply 60 lbs. per 14,500 linear feet of row in a 12 inch band, centered on the row, at planting time. Follow with three additional applications at this rate at 15 days intervals.
Gladiolus	Neck Rot (<i>Stromatinia gladioli</i>) Dry Bulb Rot (<i>Sclerotinia gladioli</i>)	15 to 25	BROADCAST: Apply evenly at planting time to the soil surface and thoroughly mix into the upper 4 to 6 inches by double discing or rotovating. Bulbs may be planted immediately.

BEST AVAILABLE COPY

PLANT TOLERANCE:

Neither the manufacturer nor the seller has determined whether or not TURFCIDE 10G can be used safely on ornamental plants not specified on this label. Prior to any large scale application on such plants, the user should determine the safety of TURFCIDE 10G fungicide by testing a small number of the type of plants to be treated. The user assumes all risks arising out of application to unlabeled plants.

STORAGE AND DISPOSAL

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

STORAGE: Store in a dry location.

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 Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

HOUSEHOLD: Do not reuse empty container. Securely wrap original container in several layers of newspaper and discard in trash.

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.

© TURFCIDE is a Registered Trademark of Uniroyal Chemical Company, Inc.

© Copyright 1992. Uniroyal Chemical Company, Inc.

BEST AVAILABLE COPY