



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. Willard F. Cummings
Crompton Corp.
74 Amity Road
Bethany, CT 06524-3402

FEB 6 2003

Subject: Amendment Updating First Aid in Accordance with PR Notice 2001-1
Turficide® 10% Granular
EPA Reg. No. 400-407
Your Submission Dated November 26, 2002

Dear Mr. Cummings:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments below.

1. By October 1, 2003, you are required to revise the "HOUSEHOLD" Disposal instructions in accordance with the Agency's latest guidance in PR Notice 2001-6 for residential/household use products. This PR Notice is available on the Office of Pesticide Program's Internet site (http://www.epa.gov/opppmsd1/PR_Notices/). Although not required to revise the disposal instructions until the 2003 compliance date, you may revise them now. The disposal instructions for products in non-pressurized containers are as follows:

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency or [insert a toll free number which meets the criteria in paragraph II.E. of PR Notice 2001-6] for disposal instructions. Never place unused product down any indoor or outdoor drain.

2. Under Personal Protective Equipment and in the list of PPE required for early re-entry, change "waterproof gloves" to "chemical-resistant gloves made of any waterproof material."

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A stamped copy of the label is enclosed for your records. Please submit one copy of the final printed labeling before the product is released for shipment.

Sincerely,

A handwritten signature in cursive script, reading "Mary L. Waller".

Mary L. Waller
Product Manager 21
Fungicide Branch
Registration Division (7505C)

Enclosure

Turfcide®

10% GRANULAR
TURF & ORNAMENTAL FUNGICIDE

EPA

11-29-03

ACCEPTED
with COMMENTS
In EPA Letter Dated:

FEB 6 2003

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

COMPOSITION

Active Ingredients: (% by weight)
Pentachloronitrobenzene (PCNB) 10%
Inert Ingredients: 90%
Total: 100%

400-407

KEEP OUT OF REACH OF CHILDREN
CAUTION

Net contents:

FIRST AID

- | | |
|----------------------------------|--|
| IF IN EYES | <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 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 ON SKIN OR ON CLOTHING | <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • 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 do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person. |
| IF INHALED: | <ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice. |

EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

CROMPTON EMERGENCY PHONE	203-723-3670
SAFETY DATA AND INFORMATION	203-573-3303
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300

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.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and Other Handlers Must Wear: A long-sleeved shirt & long pants; waterproof gloves; and shoes plus socks. Do not handle or apply product with bare hands.

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.

Crompton
Uniroyal Chemical

Crompton Manufacturing
Company, Inc.
Middlebury, CT 06749

EPA REG. NO. 400-407
EPA EST. NO.
010CM

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www.cromptoncorp.com

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. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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.

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 plus socks

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	EFFECTIVE WIDTH (FT.)	RATE (LBS)/1000 SQ. FT.			
		2.5	5.0	7.5	10
CYCLONE	3	3.5	3.75	4.0	4.25
SCOTTS R-8A (CONE #7)	8	H.5	K	M	N.5
SPYKER	4	3.0	3.6	4	4.2
JOHN DEERE	4	3.0	3.6	4	4.2
LESCO (SLIDE SET=0)	4	B	C.5	E	F
	8	C.5	F	G.5	H.7
VICON	20	14	22	29	35
LELY (FEEDRING SET=IIC)	10	2.25	3.25	3.5	3.7
	20	3.25	4.25	5.25	6
PRIZELAWN (SLIDE SET=A)	3	2.75	3.25	3.50	3.7
GANDY (DROP TYPE)	2	17	22	26	29
SEARS	-	6.5	7.5	9	10.5

*Lely and Vicon spreaders calibrated at 4.5 MPH and 540 PTO RPM. All others were ground driven at 3.0 MPH. 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.

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 control of existing infections, apply at higher rates as soon as symptoms appear.
Leaf Spot/Melting Out (<i>Drechslera spp.</i> , <i>Biopolaris spp.</i> , <i>Exserohilum spp.</i>)	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.
Dollar Spot* (<i>Sclerotinia homoeocarpa</i>)			If disease is severe or reappears, area should be retreated 3 to 4 weeks later.
Gray Snow Mold (<i>Typhula spp.</i>)	Cool climate grass	5 to 10	Make one application of 5 to 10 lbs. per 1000 sq. ft. prior to first snowfall or when temperatures remain below 60°F and extended wet conditions are expected.
Pink Snow Mold (<i>Microdochium nivale</i>)		3 to 5	In the absence of snow cover, applications of 3 - 5 lbs. can be applied at 4 to 6 week intervals to maintain control when disease pressure is severe. *NOTE: TURFCIDE must be moved into the soil/thatch layer to be effective. Applications must be followed by 0.25 to 0.5" of rainfall or irrigation prior to snow cover to insure optimum results.

*Use not registered by California Department of Pesticide Registration

ORNAMENTALS

DISEASES CONTROLLED

TURFCIDE 10G can be used as a soil treatment for protection against a variety of soil borne diseases in greenhouse, shadehouse, nursery, landscape and field grown ornamentals as well as in interiorscapes. 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 environmental 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
Bedding Plants Flowering Plants Foliage Plants Woody Ornamentals such as, but not limited to: Poinsettia Pansy Petunia Impatiens Geranium Chrysanthemum Rose Azalea Rhododendron	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.
	Root/Stem Rot, Damping Off (<i>Rhizoctonia solani</i>) (<i>Pellicularia filamentosa</i>) (<i>Sclerotinia sclerotiorum</i>)		GROWING MEDIA MIX: Mix 1 to 1.5 lbs. per cubic yard of media. Ingredients should be free of large lumps and dry enough to prevent agglomeration. Blend thoroughly to insure uniform distribution throughout the mixture. Use the lower rate for mixtures used at the time of seeding or transplanting of young seedlings or plugs. Use the higher rate for older plants or nursery stock.
Bulb Crops such as, but not limited to: Gladiolus Hyacinths Iris Lilies (Asiatic) (Easter) (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-tilling.
			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.
	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.
Vegetable Bedding Plants: Limited to only container grown- Broccoli Brussel Sprouts Cabbage Cauliflower Peppers Tomatoes	Root/Stem Rot, Damping Off (<i>Rhizoctonia solani</i>) (<i>Pellicularia filamentosa</i>)		GROWING MEDIA MIX: Mix 1 to 1.5 lbs. per cubic yard of media. Ingredients should be free of large lumps and dry enough to prevent agglomeration. Blend thoroughly to insure uniform distribution throughout the mixture. Use the lower rate for mixtures used at time of seeding or transplanting of young seedlings or plugs. Use the higher rate for older plants.

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). WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Reentry Statement:

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treated areas until dust has settled.

HOME LAWNS AND GARDENS

TURFCIDE 10G can be applied to the soil to protect lawns, ornamentals and certain vegetables from a variety of soil borne diseases.

LAWNS

For the prevention of Brown Patch (*Rhizoctonia solani*) apply TURFCIDE 10G at a rate of 7 1/2 lbs. per 1000 sq. ft. of turf prior to or at first sign of disease. Brown Patch can persist in the soil and usually begins in the same areas from year to year, looking like dinner plate sized areas of yellowing grass. If disease is severe or reappears, retreat 3 to 4 weeks later.

SUGGESTED SPREADER SETTINGS

SPREADER MAKE	EFFECTIVE WIDTH (FT.)	SETTING
CYCLONE B1 / B55	5	6.5
ORTHO 5000 Drop	1.5	12
ORTHO 6000	5	12
SCOTTS ER-2	3.5	32
SCOTTS PF3 Drop	1.75	12
SEARS 1000, 1100-671.1987	5	5.5

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.

ORNAMENTAL PLANTINGS

TURFCIDE 10G is very effective for the prevention of root rot, stem rot, bulb rots and damping off caused by *Rhizoctonia solani*, *Sclerotinia sclerotiorum*, *Pellicularia filamentosa* and *Sclerotium rolfsii*. It can be used on a wide variety of flowering plants, foliage plants, trees and shrubs such as, but not limited to begonia, pansy, impatiens, marigold, petunia, snapdragon, bluebonnet, chrysanthemum, ficus, schefflera, pothos, spathiphyllum, azalea, camellia, gardenia, rhododendron, cenizo and Chinese pistache.

As a broadcast application prior to planting, apply at a rate of 2 lbs. per 100 sq. ft., and mix thoroughly into the top 4 inches of soil. For bulb plantings, use 3 lbs. per 100 sq. ft. and incorporate to a depth of 6 inches. As a soil mixture for use in containers or transplant fillings, apply at a rate of 1 lb. per cu. yd. of media (1/2 oz. or 1 tablespoon per 5 gal. container) and blend thoroughly to insure uniform distribution throughout the mixture.

As a top dressing in containerized plants, apply 1/2 tsp. per 6" pot, or 2 tsps. per 12" pot, and lightly scratch into the soil surface. Water thoroughly to move the material into the soil. Do not make more than one application every 4 months.

For control of azalea petal blight and camellia flower blight in established plantings: Apply as a broadcast at the rate of 1 lb. per 15 sq. ft. to the ground under and around the bushes. Water thoroughly after application to move the material into the soil. Application should be made prior to opening of buds and can be repeated at 4 week intervals throughout the bloom period.

VEGETABLE PLANTINGS

TURFCIDE 10G can be used for control of root rot and stem rot (*Rhizoctonia solani*), southern blight (*Sclerotium rolfsii*) and clubroot (*Plasmopora brassicae*) on certain vegetable crops.

For root rot / stem rots on tomatoes, peppers, beans, broccoli, Brussels sprouts, cabbage and cauliflower: Apply at a rate of 1 1/2 ozs. (1/4 cup) per 100 feet of row, directing the material into the planting row and covering the soil at planting time.

For southern blight control on tomatoes and peppers: Apply at a rate of 8 ozs. (1 1/4 cups) per 100 feet of row, directing the material into the planting row and covering the soil at planting time.

For clubroot control on broccoli, Brussels sprouts, cabbage and cauliflower: Apply at a rate of 11 ozs. (1 3/4 cups) per 100 sq. feet, broadcast over the soil surface and thoroughly incorporated to a depth of 4 to 6 inches prior to planting.

PLANT TOLERANCE:

Neither the manufacturer nor the seller has determined whether or not TURFCIDE 10G can be used safely on 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, expressed 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.

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