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Mr. Willard I. Cummings  
Uniroyal Chemical Company, Inc.  
74 Amity Road  
Bethany, CT 06525

Dear Mr. Cummings:

Subject: Amendment - Delete Potatoes  
Terraclor 75 WP  
EPA Registration No. 400-399 ✓  
Terraclor 2 lb IC  
EPA Registration No. 400-400  
Terraclor 10G  
EPA Registration No. 400-402  
Your Submissions Dated April 18, 1990

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,

SL

Susan Lewis  
Product Manager (21)  
Fungicide-Herbicide Branch  
Registration Division (225050)

Enclosure

54328; I:A-4; Lewis: L-7; K: 7/26/90, 8/24/90, KK, VO, JH, EK  
CONCURRENCES

SYMBOL							
SURNAME							
DATE							

# TERRACLOR®

75% WETTABLE POWDER  
VEGETABLE, TURF & ORNAMENTAL  
SOIL FUNGICIDE

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if swallowed. Avoid inhaling dust. May cause skin irritation. Wash hands and face thoroughly after using. The following protective clothing are required during mixing/loading operations: gloves, long-sleeved shirt, long pants, socks and shoes. Wash thoroughly all contaminated clothing before reuse.

**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 or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water when disposing of equipment washwaters.

ACCEPTED

AUG 01 1990

Under the Federal Insecticide, Fungicide, and  
Rodenticide Act, as amended, for the  
purpose of registration under

UNIROYAL  
CHEMICAL

**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:**

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

**Cardboard Canisters: (Commercial)** Completely empty canisters into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, 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.

**COMPOSITION**

Active Ingredient: (% by weight)	
Pentachloronitrobenzene (PCNB) . . .	75%
Inert Ingredients: . . . . .	25%
Total: . . . . .	100%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF IN EYES:** Flush with plenty of water. Get medical attention if irritation persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**IF INHALED:** Remove to fresh air. See a physician if an abnormal reaction occurs.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENT

UNIROYAL CHEMICAL COMPANY, INC.

Middlebury, CT 06749

EPA REG. NO. 400-399

EPA EST. NO.

Terraclor is a Registered Trademark of Uniroyal Chemical Company, Inc.

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NET WEIGHT:

006

**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

**GENERAL INFORMATION**

TERRACLOR 75%WP is a protective fungicide recommended for control of certain soil borne diseases of vegetable and 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.

**VEGETABLES**

TERRACLOR 75%WP should be applied as a preventative fungicide to vegetable crops. It is important when using TERRACLOR 75%WP 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. Under certain crop use (snap & dry beans), repeated applications may be necessary. See use and rate recommendations for specific crop use recommendations and diseases controlled by TERRACLOR 75%WP.

When rate range is shown the lower rate should be used on lighter soils or when 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**

BEANS (snap & dry)

PEPPERS, TOMATOES

GARLIC

BROCCOLI  
BRUSSELS SPROUTS  
CABBAGE  
CAULIFLOWER

**DISEASES CONTROLLED**

Root & Stem Rot (Rhizoctonia solani)  
White Mold (Sclerotium sclerotiorum)

Southern Blight (Sclerotium rolfsii)

White Rot (Sclerotium capivorum)

Wire Stem or Black Root (Corticium solani)  
Club Root (Plasmodiophora brassicae)

**RATE OF TERRACLOR 75%WP**

CROP	DISEASE	POUNDS/ACRE	OUNCE/1000 FEET OF ROW	RECOMMENDED APPLICATION
COTTON	Damping off (Rhizoctonia solani)	1 1/3 to 2 1/4 Apply in at least 15 gals. of water (40 inch row spacings)	16 to 34	Apply specified dosage as a directed in-furrow spray to the seed and surrounding soil at planting time. Do not allow the feeding or grazing of cotton foliage by livestock.
PEANUTS	Root and Stem Rot (Rhizoctonia solani*)	1 1/3 to 2 1/3 Apply in 8 to 10 gallons of water (36 inch row spacing)	15 to 30	AT PLANTING Apply specified dosage as a directed in-furrow spray to the seed and surrounding soil at planting time.
	Southern stem and root rot (Sclerotium rolfsii)	1 3/5 Apply in 8 to 10 gallons of water (36 inch row spacing)	14.7	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.
		4 1/3 Apply in 8 to 10 gallons of water (36 inch row spacing)	48	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.
<b>NOTE: Do not exceed 10 lbs. actual PCNB per acre in any one season, regardless of application methods used. Do not apply within 45 days of harvest. Do not feed treated vines to livestock. Do not allow hogging down of peanuts. *DO NOT USE IN CALIFORNIA.</b>				
BEANS Dry, Succulent & Snap	Root and Stem Rot (Rhizoctonia solani)	1 1/3 to 2 Apply in 8 to 10 gallons of water (36 inch row spacing)	14 to 22	Apply as a directed spray in the seed furrow and to the covering soil at planting time.
	White Mold (Sclerotinia sclerotiorum)	2 1/4 Apply in 8 to 10 gallons of water (36 inch row spacing)	3	Apply as an 8 inch band centered on the row at or immediately after planting. If the disease problem is severe, applications may be repeated at 2 to 3 week intervals using directed spray application with one or two nozzles per row aimed at the soil at the base of the plants. Soil should remain undisturbed after application.
<b>Do not apply after first bloom. Do not exceed 10 lbs. actual PCNB per acre in any one season, regardless of method of application. Do not feed treated vines to livestock. Preharvest interval: Dry beans - Do not apply within 45 days of harvest. Succulent beans - Do not apply within 35 days of harvest. Snap beans - Do not apply within 14 days of harvest.</b>				

CROP	DISEASE	RATE OF TERRACLOR 75%WP		RECOMMENDED APPLICATION
		POUNDS/ACRE	OUNCE/1000 FEET OF ROW	
BROCCOLI BRUSSELS SPROUTS CABBAGE CAULIFLOWER COLLARDS* KALE* MUSTARD GREENS*	Clubroot (plasmodiophora brassicae)	Apply 2 to 6 pounds in 100 gallons of water. Use 1/2 to 3/4 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 the powder in suspension.
		30	37	Band Application: Spray as a 12 to 15 inch band centered on the row and incorporate to a depth of 4 to 6 inches immediately prior to planting. May be used on cole crops which are direct seeded
		40	—	Broadcast Application. Apply as a preplant broadcast spray 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
	<b>Note: For effective control of clubroot, it is extremely important to thoroughly mix TERRACLOR with the soil.</b>			
	Wire Stem or Black Root (Corticium solani)	15 to 20	—	Broadcast Drench Application: Apply as a soil drench at the time of or immediately after seeding
		Apply in 50 gallons water		
		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.		
		10 to 15	12.2 to 18.4	Row Drench Treatment: Spray as a 8 inch band centered on the row at the time of or immediately after seeding
<b>*Based on the available residue data, the use of TERRACLOR on collards, kale and mustard greens is restricted to the state of Georgia.</b>				
GARLIC	White Rot (Sclerotium capitatum)	27 1/2	20	In-Furrow Application. Apply as an in-furrow spray at planting time. Attach a spray rig to the planter and spray 8-12 inch bands using 2 nozzles per furrow. Direct front nozzle to spray the "seed" as it is dropped; direct the rear nozzle to spray the covering soil. Use good mechanical agitation in the spray tank to maintain a uniform suspension.
		13 1/2 pounds per 1000 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.
PEPPERS TOMATOES	Southern Blight (Sclerotium rolfsii)	3 to 5 pounds in 100 gallons of water. Use 1/2 pint of this solution per plant.		Apply at the time of transplanting. The solution should be agitated often to maintain a uniform suspension and assure proper dosage.
		6 1/2 to 10	Peppers: 11 Tomatoes: 14.6	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.
<b>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.</b>				

**GENERAL INFORMATION**

TERRACLOR 75%WP 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 preventative program following recommended rates and application directions. Carefully read, understand and follow label directions.

**TURF**

TERRACLOR 75%WP 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.

**DISEASES CONTROLLED:**

Brown Patch  
Helminthosporium Leaf Spot\*  
Dollar spot\*  
Gray Snow Mold  
Pink Snow Mold

**Fungi**  
Rhizoctonia solani  
Helminthosporium spp  
Sclerotinia homoeocarpa  
Typhula spp  
Fusarium nivale

Best results are obtained when TERRACLOR 75%WP is used as a preventative application before diseases appear, however, if you do not apply as a preventative treatment, TERRACLOR 75%WP should be applied at first sign of the disease.

Areas treated with TERRACLOR 75%WP should be watered following application to move material down to the soil level. If treated area is subjected to unusually heavy rainfall, or flooded or if disease is severe or reappears, the area should be treated again. See use and rate recommendations for intervals for retreating.

**USE & RATE RECOMMENDATION FOR TURF:**

Disease/Crop	Rate/1,000 sq. ft.	Remarks
Brown Patch (Rhizoctonia solani) St Augustine, Bermuda, and similar warm climate grasses	16 oz in 10-15 gallons water	1 Apply one application in the spring or fall or at the 1st indication of disease. 2 If disease is severe or reappears, retreat 3-4 weeks later
Dichondra	16 oz in 40 gallons water	1 Treat as above
Bluegrass, Rye Grass, Fescue, Bent and similar cool climate grasses	3-4 oz in 3-6 gallons water	1 Apply at first sign of disease 2 Repeat every 7-10 days during warm damp weather 3 For control of existing infections, apply at higher rates as soon as symptoms appear
Helminthosporium Leaf Spot* (Helminthosporium spp) Dollar Spot* (Sclerotinia homoeocarpa)	7-10 oz in 5-10 gallons water	1 Preventative applications should be in spring or fall of each year 2 For control of existing infections, apply at higher rate as soon as symptoms appear 3 If disease is severe or reappears, area should be retreated 3-4 weeks later
Gray Snow Mold (Typhula spp) Pink Snow Mold (Fusarium nivale)	8 oz in 5-10 gallons water	1 Make one application prior to first snowfall

**\*DO NOT USE IN CALIFORNIA**

Treated area should be watered lightly as soon as possible following treatment to wash chemical down to the soil level. Do not graze treated areas or feed grass clippings to livestock.

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

**ORNAMENTALS**

TERRACLOR 75%WP can be used as a soil treatment for protection against a variety of soil borne diseases in nursery, greenhouse and field grown ornamentals.

It is important that TERRACLOR 75%WP be placed or mixed in the soil for best results

See use and rate recommendations for specific plant and disease recommendations

When rate range is shown the lower rate should be used on lighter soils or when 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

**DISEASES CONTROLLED**

Root and stem rots  
Botrytis storage rot  
Neck dry rot  
Bulb dry rot  
Needle blight  
Petal blight  
Bulb and stem rot  
Flower blight  
Crown rot  
Black rot

**Fungi**  
Rhizoctonia spp  
Botrytis spp  
Stomatium gladioli  
Sclerotium gladioli  
Dothistromia pini  
Ovulinia azalea  
Sclerotium rolfsii  
Sclerotium camelliae  
Pellicularia rolfsii  
Sclerotinia sclerotiorum

**PLANT TOLERANCE**

With specific plants not listed below we recommend a preliminary trial to determine plant tolerance.

**USE AND RATE RECOMMENDATION:**

TERRACLOR 75%WP as soil drench at time of seeding and transplanting in nursery and greenhouses for Rhizoctonia control		Use and Rates
Tropical Foliage Plants		Use 4 to 8 oz in 100 gallons of water and apply to 400-800 sq. ft. of bed or bench area. Coverage for soil depths of 4 inches or less, apply 100 gallons to 800 sq. ft. For soil depths of more than 4 inches apply 100 gallons to 400 sq. ft.
Ajuja	Hoya	
Aphelandra	Peperomia	
Dieffenbachia	Pothos	
Dracena	Schefflera	
Ficus	Syngonium	
Fittonia	Tradescantia	
Gynura	Similar foliage plants	
One repeat application can be made 4 to 6 weeks later, if necessary		
Do not apply to Philodendron or Pilea or injury may occur.		

<b>Bedding and Flowering Plants</b>			
Carnation	Poinsettia		Use 4 oz. of TERRACLOR 75%WP with 100 gallons of water and apply to 800 sq. ft. of flat or bench area. Apply at seeding or transplanting.
Chrysanthemum	Portulaca		
Dahlia	Salvia		
Geranium	Vinca		
Marigold	Zinnia		
Petunia	Similar plants		
<b>Herbaceous and Woody Ornamentals</b>			
Herbaceous	Woody		Use 4 to 8 oz. of TERRACLOR 75%WP with 100 gallons of water and apply to 400-800 sq. ft. of bed or bench area.
Kalanchoe	Azalea	Juniper	
Lily	Boxwood	Pine	
	English Ivy	Rhododendron	
	Holly		
	Similar herbaceous and woody plants		
Solution of TERRACLOR 75%WP and water should be continuously agitated to assure uniform application of the fungicide			

**USE AND RATE RECOMMENDATIONS:**

TERRACLOR 75%WP as a Broadcast Incorporation Prior to Planting Field Grown Crops			
Crop	Disease	Rate of TERRACLOR 75%WP (Lbs. per 1,000 sq. ft. area)	Application
Easter Lillies	Rhizoctonia Root Rot	3 1/4 to 6 1/2	Apply specified rate in sufficient water to insure uniform ground coverage prior to planting and thoroughly incorporate to a depth of 6-7 inches and see note below
Iris	Crown Rot		
Hyacinth	Black Rot		
Narcissus			
Tulips			
Use lower rates for light soils and higher rate for heavy soils			
Dutch Iris	Bulb Rot Stem Rot (Sclerotium rolfsii)	3 1/4 to 4 1/2	Apply specified rate in sufficient water to insure uniform ground coverage prior to planting and thoroughly incorporate to a depth of 2-3 inches
Gladiolus	Neck or Bulb Dry Rot (Stomatina or Sclerotinia gladioli)	3 2/3	Apply specified rate in sufficient water to insure uniform ground coverage prior to planting and thoroughly incorporate to a depth of 4-6 inches. Bulbs may be planted immediately after incorporation
Calendula	Stem Rot (Rhizoctonia)	3 1/2	Apply specified rate in sufficient water to insure uniform ground coverage prior to planting and thoroughly incorporate to a depth of 4 inches
Larkspur			
Snapdragon			
Sweet Pea			
Southern Pine Seedlings	Rhizoctonia Needle Blight	50 (lbs. per acre)	Apply specified rate per acre in 100 gallons of water to insure uniform ground coverage. An additional 1 1/2 inch of water per acre should be applied by irrigation prior to planting. Seed may be planted immediately after irrigation or within one week of this date
Solution of TERRACLOR 75%WP and water should be continuously agitated to assure uniform application of the fungicide			
TERRACLOR 75%WP as Ground Spray on Established Woody Ornamentals			
Crop	Disease	Rate of TERRACLOR 75%WP (Lbs. per 150 sq. ft. area)	Application
Azaleas	Azalea petal blight (Ovulinia Azalea)	1.0	Apply specified rate per 150 sq. ft. in sufficient water to assure uniform ground coverage. Apply to the ground beneath the bushes and immediate surrounding area. Begin application prior to opening of buds and repeat every 3-4 weeks during bloom season.
Camellia	Camellia flower blight	1.0	
Solution of TERRACLOR 75% WP and water should be continuously agitated to assure uniform application of fungicide			
TERRACLOR 75%WP as a Dip Application			
Crop	Disease	Rate of TERRACLOR 75%WP (Lbs.)	Application
Iris	Crown Rot	2	Dip bulbs for 5 minutes in 7.5% concentration which is obtained by adding 2 lbs. of TERRACLOR 75%WP to 32 gallons of water. Add 1% sticker to solution and maintain good agitation
Hyacinth	Black Rot		
Narcissus			
Tulips			
Easter Lillies	Root Rot (Rhizoctonia)	4-6	Mix TERRACLOR 75%WP in 100 gallons of water and dip bulbs for 5-15 minutes. A sticking agent may be added. Maintain good agitation in dip tanks
Roses	Botrytis Storage Rot	2	Mix TERRACLOR 75%WP in 100 gallons of water and dip dormant roses prior to storage. A spray application of the same solution may be substituted for dipping. Maintain good agitation
TERRACLOR 75%WP as Band Application Prior to Planting Field Grown Crops			
Crop	Disease	Rate of TERRACLOR 75%WP (Lbs. per 1,000 linear ft. of row)	Application
Gladiolus	Neck or Bulb Dry Rot (Stomatina or Sclerotinia gladioli)	5	Apply as a 12 inch band centered on the row at planting time. Incorporate to depth of 4 inches. Bulb may be planted immediately after incorporation
Dutch Iris	Bulb Rot Stem Rot (Sclerotium rolfsii)		Apply as a 12 inch band centered on the row at planting time. Follow with 3 additional applications at the same rate at 15 day intervals

TERRACLOR 75%WP as in Furrow Application at Planting			
Crop	Disease	Rate of TERRACLOR 75%WP (Lbs. per 1,000 linear ft. of row)	Application
Easter Lillies Iris Hyacinth Narcissus Tulips	Rhizoctonia Root Rot Crown Rot Black Rot	4½ to 6	Apply in 5-10 gallons of water. Direct spray into open furrow to thoroughly cover entire furrow and bulbs. Close furrow in normal manner. See notes below.
Use lower rates for lighter soils and higher rates for heavier soils. For Black rot control, use high rates. Solution of TERRACLOR 75%WP and water should be agitated to assure uniform application of the fungicide.			

**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.



PM 21  
400-399  
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VEGETABLE, TURF & ORNAMENTAL  
SOIL FUNGICIDE

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**ACCEPTED**  
AUG 01 1990  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the purpose of registration under...

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**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

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SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENT

UNIROYAL CHEMICAL COMPANY, INC.

Middlebury, CT 06749

EPA REG. NO. 400-399

EPA EST. NO.

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Copyright 1983, Uniroyal Chemical Company, Inc.

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BEANS (snap & dry)

**DISEASES CONTROLLED**

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White Mold (*Sclerotium sclerotiorum*)

PEPPERS, TOMATOES

Southern Blight (*Sclerotium rolfsii*)

GARLIC

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BROCCOLI

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BRUSSELS SPROUTS

Club Root (*Plasmodiophora brassicae*)

CABBAGE

CAULIFLOWER

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PEANUTS	Root and Stem Rot ( <i>Rhizoctonia solani</i> )	1 1/3 to 2 1/3 Apply in 8 to 10 gallons of water (36 inch row spacing)	15 to 30	AT PLANTING: Apply specified dosage as a directed in-furrow spray to the seed and surrounding soil at planting time.
	Southern stem and root rot ( <i>Sclerotium rolfsii</i> )	13 1/3 Apply in 8 to 10 gallons of water (36 inch row spacing)	147	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.
		4 1/3 Apply in 8 to 10 gallons of water (36 inch row spacing)	48	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.
NOTE: Do not exceed 10 lbs. actual PCNB per acre in any one season, regardless of application methods used. Do not apply within 45 days of harvest. Do not feed treated vines to livestock. Do not allow hogging down of peanuts. *DO NOT USE IN CALIFORNIA.				
BEANS Dry, Succulent & Snap	Root and Stem Rot ( <i>Rhizoctonia solani</i> )	1 1/3 to 2 Apply in 8 to 10 gallons of water (36 inch row spacing)	14 to 22	Apply as a directed spray in the seed furrow and to the covering soil at planting time.
	White Mold ( <i>Sclerotium sclerotiorum</i> )	2 1/4 Apply in 8 to 10 gallons of water (36 inch row spacing)	3	Apply as an 8 inch band centered on the row at or immediately after planting. If the disease problem is severe, applications may be repeated at 2 to 3 week intervals using directed spray application with one or two nozzles per row aimed at the soil at the base of the plants. Soil should remain undisturbed after application.
Do not apply after first bloom. Do not exceed 10 lbs. actual PCNB per acre in any one season, regardless of method of application. Do not feed treated vines to livestock. Preharvest Intervals: Dry beans - Do not apply within 45 days of harvest; Succulent beans - Do not apply within 35 days of harvest; Snap beans - Do not apply within 14 days of harvest.				

CROP	DISEASE	RATE OF TERRACLOR 75%WP		RECOMMENDED APPLICATION
		POUNDS/ACFE	OUNCE/1000 FEET OF ROW	
BROCCOLI BRUSSELS SPROUTS CABBAGE CAULIFLOWER COLLARDS* KALE* MUSTARD GREENS*	Clubroot (plasmodiophora brassicae)	Apply 2 to 6 pounds in 100 gallons of water Use 1/2 to 3/4 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 the powder in suspension.
		30 Apply in 25 gallons of water (40 inch row spacings)	37	Band Application: Spray as a 12 to 15 inch band centered on the row and incorporate to a depth of 4 to 6 inches immediately prior to planting. May be used on cole crops which are direct seeded.
		40 Apply in 30 gallons of water	—	Broadcast Application: Apply as a preplant broadcast spray 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.
<b>Note: For effective control of clubroot, it is extremely important to thoroughly mix TERRACLOR with the soil.</b>				
	Wire Stem or Black Root (Corticium solani)	15 to 20 Apply in 50 gallons 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.		
		10 to 15 Apply in 35 gallons water. (40 inch row spacings)	12 2 to 18 4	Row Drench Treatment Spray as a 8 inch band centered on the row at the time of or immediately after seeding.
<b>*Based on the available residue data, the use of TERRACLOR on collards, kale and mustard greens is restricted to the state of Georgia.</b>				
GARLIC	White Rot (Sclerotium capivorum)	27 1/2 Apply in 100 gallons water. (24 inch row spacings)	20	In-Furrow Application: Apply as an in-furrow spray at planting time. Attach a spray rig to the planter and spray 8-12 inch bands using 2 nozzles per furrow. Direct front nozzle to spray the "seed" as it is dropped direct the rear nozzle to spray the covering soil Use good mechanical agitation in the spray tank to maintain a uniform suspension.
		13 1/2 pounds per 1000 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
PEPPERS TOMATOES	Southern Blight (Sclerotium rolfsii)	3 to 5 pounds in 100 gallons of water Use 1/2 pint of this solution per plant		Apply at the time of transplanting. The solution should be agitated often to maintain a uniform suspension and assure proper dosage
		6 1/2 to 10 Apply in 100 gallons of water (36 inch row spacings - peppers, 72 inch row spacings - flat tomatoes, 48 inch row spacings - staked tomatoes)	Peppers 11 Tomatoes 14 6	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
<b>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 these crops.</b>				

**GENERAL INFORMATION**

TERRACLOR 75%WP 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 preventative program following recommended rates and application directions. Carefully read, understand and follow label directions.

**TURF**

TERRACLOR 75%WP 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.

**DISEASES CONTROLLED:**

Brown Patch  
Helminthosporium Leaf Spot\*  
Dollar spot\*  
Gray Snow Mold  
Pink Snow Mold

**Fungi**  
Rhizoctonia solani  
Helminthosporium spp  
Sclerotinia homoeocarpa  
Typhula spp  
Fusarium nivale

Best results are obtained when TERRACLOR 75%WP is used as a preventative application before diseases appear, however, if you do not apply as a preventative treatment, TERRACLOR 75%WP should be applied at first sign of the disease.

Areas treated with TERRACLOR 75%WP should be watered following application to move material down to the soil level. If treated area is subjected to unusually heavy rainfall, or flooded or if disease is severe or reappears, the area should be treated again. See use and rate recommendations for intervals for retreating.

**USE & RATE RECOMMENDATION FOR TURF:**

Disease/Crop	Rate/1,000 sq. ft.	Remarks
Brown Patch (Rhizoctonia solani) St. Augustine, Bermuda, and similar warm climate grasses	16 oz. in 10-15 gallons water	1. Apply one application in the spring or fall or at the 1st indication of disease 2. If disease is severe or reappears, retreat 3-4 weeks later
Dichondra	16 oz. in 40 gallons water	1. Treat as above
Bluegrass, Rye Grass, Fescue, Bent and similar cool climate grasses	3-4 oz. in 3-6 gallons water	1. Apply at first sign of disease 2. Repeat every 7-10 days during warm damp weather 3. For control of existing infections, apply at higher rates as soon as symptoms appear
Helminthosporium Leaf Spot* (Helminthosporium spp) Dollar Spot* (Sclerotinia homoeocarpa)	7-10 oz. in 5-10 gallons water	1. Preventative applications should be in spring or fall of each year. 2. For control of existing infections, apply at higher rate as soon as symptoms appear 3. If disease is severe or reappears, area should be retreated 3-4 weeks later
Gray Snow Mold (Typhula spp) Pink Snow Mold (Fusarium nivale)	8 oz. in 5-10 gallons water	1. Make one application prior to first snowfall

**\*DO NOT USE IN CALIFORNIA**

Treated area should be watered lightly as soon as possible following treatment to wash chemical down to the soil level. Do not graze treated areas or feed grass clippings to livestock. Under certain growing conditions, a temporary discoloration of the grass occasionally may occur. This causes no harm and will disappear in a short time.

**ORNAMENTALS**

TERRACLOR 75%WP can be used as a soil treatment for protection against a variety of soil borne diseases in nursery, greenhouse and field grown ornamentals.

It is important that TERRACLOR 75%WP be placed or mixed in the soil for best results.

See use and rate recommendations for specific plant and disease recommendations.

When rate range is shown the lower rate should be used on lighter soils or when 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.

**DISEASES CONTROLLED**

Root and stem rots  
Botrytis storage rot  
Neck dry rot  
Bulb dry rot  
Needle blight  
Petal blight  
Bulb and stem rot  
Flower blight  
Crown rot  
Black rot

**Fungi**  
Rhizoctonia spp  
Botrytis spp  
Stomatium gladioli  
Sclerotium gladioli  
Dothistromia pini  
Ovulinia azalea  
Sclerotium rolfsii  
Sclerotium camelliae  
Pellicularia rolfsii  
Sclerotinia sclerotiorum

**PLANT TOLERANCE**

With specific plants not listed below we recommend a preliminary trial to determine plant tolerance.

**USE AND RATE RECOMMENDATION:**

TERRACLOR 75%WP as soil drench at time of seeding and transplanting in nursery and greenhouses for Rhizoctonia control		Use and Rates
Tropical Foliage Plants		Use 4 to 8 oz. in 100 gallons of water and apply to 400-800 sq. ft. of bed or bench area. Coverage for soil depths of 4 inches or less, apply 100 gallons to 800 sq. ft. For soil depths of more than 4 inches apply 100 gallons to 400 sq. ft.
Ajuga	Hoya	
Aphelandra	Peperomia	
Dieffenbachia	Pothos	
Dracena	Schefflera	
Ficus	Syngonium	
Fittonia	Tradescantia	
Gynura	Similar foliage plants	
One repeat application can be made 4 to 6 weeks later, if necessary.		
Do not apply to Philodendron or Pilea or injury may occur.		

<b>Bedding and Flowering Plants</b>		Use 4 oz. of TERRACLOR 75%WP with 100 gallons of water and apply to 800 sq. ft. of flat or bench area. Apply at seeding or transplanting.
Carnation	Poinsettia	
Chrysanthemum	Portulaca	
Dahlia	Salvia	
Geranium	Vinca	
Marigold	Zinnia	
Petunia	Similar plants	
<b>Herbaceous and Woody Ornamentals</b>		
<b>Herbaceous</b>		Use 4 to 8 oz. of TERRACLOR 75%WP with 100 gallons of water and apply to 400-800 sq. ft. of bed or bench area.
Kalanchoe	Azalea	
Lily	Boxwood	
	English Ivy	
	Holly	
	Holly	
Similar herbaceous and woody plants		
Solution of TERRACLOR 75%WP and water should be continuously agitated to assure uniform application of the fungicide.		

**USE AND RATE RECOMMENDATIONS:**

TERRACLOR 75%WP as a Broadcast Incorporation Prior to Planting Field Grown Crops			
Crop	Disease	Rate of TERRACLOR 75%WP (Lbs. per 1,000 sq. ft. area)	Application
Easter Lilies	Rhizoctonia Root Rot	3 1/4 to 6 1/2	Apply specified rate in sufficient water to insure uniform ground coverage prior to planting and thoroughly incorporate to a depth of 6-7 inches and see note below.
Iris Hyacinth Narcissus Tulips	Crown Rot Black Rot		
Use lower rates for light soils and higher rate for heavy soils.			
Dutch Iris	Bulb Rot Stem Rot (Sclerotium rolfsii)	3 1/4 to 4 1/2	Apply specified rate in sufficient water to insure uniform ground coverage prior to planting and thoroughly incorporate to a depth of 2-3 inches.
Gladiolus	Neck or Bulb Dry Rot (Stomatina or Sclerotinia gladioli)	3 2/3	Apply specified rate in sufficient water to insure uniform ground coverage prior to planting and thoroughly incorporate to a depth of 4-6 inches. Bulbs may be planted immediately after incorporation.
Calendula Larkspur Snapdragon Sweet Pea	Stem Rot (Rhizoctonia)	3 1/2	Apply specified rate in sufficient water to insure uniform ground coverage prior to planting and thoroughly incorporate to a depth of 4 inches.
Southern Pine Seedlings	Rhizoctonia Needle Blight	50 (lbs. per acre)	Apply specified rate per acre in 100 gallons of water to insure uniform ground coverage. An additional 1 1/2 inch of water per acre should be applied by irrigation prior to planting. Seed may be planted immediately after irrigation or within one week of this date.

Solution of TERRACLOR 75%WP and water should be continuously agitated to assure uniform application of the fungicide

TERRACLOR 75%WP as Ground Spray on Established Woody Ornamentals			
Crop	Disease	Rate of TERRACLOR 75%WP (Lbs. per 150 sq. ft. area)	Application
Azaleas	Azalea petal blight (Ovulinia Azalea)	1.0	Apply specified rate per 150 sq. ft. in sufficient water to assure uniform ground coverage. Apply to the ground beneath the bushes and immediate surrounding area. Begin application prior to opening of buds and repeat every 3-4 weeks during bloom season.
Camellia	Camellia flower blight	1.0	

Solution of TERRACLOR 75% WP and water should be continuously agitated to assure uniform application of fungicide

TERRACLOR 75%WP as a Dip Application			
Crop	Disease	Rate of TERRACLOR 75%WP (Lbs.)	Application
Iris Hyacinth Narcissus Tulips	Crown Rot Black Rot	2	Dip bulbs for 5 minutes in 7.5% concentration which is obtained by adding 2 lbs. of TERRACLOR 75%WP to 32 gallons of water. Add 1% sticker to solution and maintain good agitation.
Easter Lilies	Root Rot (Rhizoctonia)	4-6	Mix TERRACLOR 75%WP in 100 gallons of water and dip bulbs for 5-15 minutes. A sticking agent may be added. Maintain good agitation in dip tanks.
Roses	Botrytis Storage Rot	2	Mix TERRACLOR 75%WP in 100 gallons of water and dip dormant roses prior to storage. A spray application of the same solution may be substituted for dipping. Maintain good agitation.

TERRACLOR 75%WP as Band Application Prior to Planting Field Grown Crops			
Crop	Disease	Rate of TERRACLOR 75%WP (Lbs. per 1,000 linear ft. of row)	Application
Gladiolus	Neck or Bulb Dry Rot (Stomatina or Sclerotinia gladioli)	5 1/2	Apply as a 12 inch band centered on the row at planting time. Incorporate to depth of 4 inches. Bulb may be planted immediately after incorporation.
Dutch Iris	Bulb Rot Stem Rot (Sclerotium rolfsii)	1/2	Apply as a 12 inch band centered on the row at planting time. Follow with 3 additional applications at the same rate at 15 day intervals.