

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-757) WASHINGTON, DC 20460	EPA REGISTRATION NO. 5481 419	DATE OF ISSUANCE 3/27/91
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT PC... 75 We... TU... and... Or... ... Fungicide	

**NOTICE OF PESTICIDE:**  REGISTRATION  
 REREГИSTRATION  
 (Under the Federal Insecticide, Fungicide,  
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Am... Chemical Corporation  
 4100 East Washington Boulevard  
 Los Angeles, CA 90023

**NOTE:** Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

The product is certified to comply with the requirements of FIFRA section 3(c)(7)(A) provided that you:

1. Submit/obtain all data required to register/re-register your product under FIFRA section 3(c)(15) or 4(a) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes indicated below based on the data submitted:
  - a. Add the phrase "EPA Registration No. 5481-419."
  - b. The label must be revised to comply with Pesticide Labeling Act. Add "Do not apply this product through any type of... system" or include complete directions for use... to the label.
3. Submit to the Agency... you... product... to the Agency... a... of... and... labels.

**BEST AVAILABLE COPY**

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL: *[Signature]* DATE: 3/27/91

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

SL

Susan Lewis  
Product Manager (21)  
Fungicide-Herbicide Branch  
Registration Division (M7505C)

Enclosure

BEST AVAILABLE COPY

# PCNB 75W Turf and Ornamental Soil Fungicide

FOR PREVENTION AND CONTROL OF SOIL BORNE DISEASES WHICH ATTACK TURFGRASS, NURSERY AND GREENHOUSE PLANTS, FIELD GROWN ORNAMENTALS, BEDDING AND FLOWERING PLANTS, HERBACEOUS AND WOODY ORNAMENTALS.

ACTIVE INGREDIENT:  
Pentachloronitrobenzene(PCNB) - 75.0%  
INERT INGREDIENTS: - - - - - 25.0%  
TOTAL 100.0%

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

EPA REG. NO. 5481-

EPA EST NO. 5481-CA-1

MAR 27 1991

## KEEP OUT OF REACH OF CHILDREN CAUTION

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide registered under EPA Reg. No. 5481-CA-1

### STATEMENTS OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. **IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists. **IF ON SKIN:** Remove contaminated clothing and wash affected area with soap and warm water. Get medical attention if irritation persists. **IF INHALED:** Remove victim to fresh air and give artificial respiration if indicated.

### 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 and before eating or smoking. Avoid contact with skin. The following protective clothing is required during mixing/loading operations: (An approved respirator should be worn by professional applicators who frequently applying this product), gloves, long-sleeved shirt, long pants, socks and shoes. Thoroughly wash all contaminated clothing before reuse. Do not contaminate feed or foodstuffs.

#### ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment washwaters. This product 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). Apply this product only as specified on this label. Do not apply directly adjacent to potable water supplies.

#### 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 and banding applications unless PCNB is registered for use on those crops.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store product in its original labeled container in a cool, dry, locked place out of reach of children. **PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If those 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.

05-C1-53

### GENERAL INFORMATION

This product is a wettable powder and is recommended for use in water. When mixing make sure that the water solution is continuously agitated to give uniform fungicide coverage. PCNB 75 W is a preventive fungicide recommended for control of certain soil borne diseases as listed for turf and ornamental crops therefore best disease control results when applied as a preventive program. Carefully follow the recommended rates and the application remarks.

## FOR TURFGRASS

Use as a fungicide in the prevention and control of the listed soil borne diseases which attack turfgrass on golf courses, sod farms, home lawns, institutional, ornamental, and recreational areas where fine turf is under a maintenance program.

#### DISEASES CONTROLLED

- Brown Patch (*Rhizoctonia solani*)
- Leaf Spot (*Helminthosporium* spp.)\*
- Dollar Spot (*Sclerotinia homocarpa*)\*
- Gray Snow Mold (*Typhula* spp.)
- Pink Snow Mold (*Fusarium nivale*)

\*Do not use in California.

For best results use PCNB 75 W as a preventive application before diseases appear, or apply at the first sign of the infection. After application the treated areas should be watered to wash the fungicide down to the soil level. If heavy rainfall or flooding occurs after treatment, or if disease is severe or reappears, treat area again. Follow the rates as outlined below for the respective disease.

Disease/Host	Am't./Gal. water per 1,000 S.Ft.	How and When to Apply
Brown Patch ( <i>Rhizoctonia solani</i> ) St. Augustine, Bermudagrass and similar warm season grasses	1 lb./10-15 Gals.	Apply once in spring or fall or when disease appears. If it is severe or reappears, retreat 3 to 4 weeks later.
Dichondra	1 lb./40 Gals.	Treat as above
Bluegrass, Ryegrass, Fescue, Bent and similar cool season grasses	3-4 oz./2-8 Gals.	Apply at 1st sign of disease. Repeat every 7-10 days during warm damp weather.
Helminthosporium spp.*		For preventive apply in autumn or fall of

## ORNAMENTALS

Solutions of PCNB 75 W and water must be mixed with the soil as a drench treatment for protection against the listed diseases on nursery, greenhouse, field grown and established plants. A preliminary trial is suggested first before a full treatment is given to any plant species not listed in these directions.

#### DISEASES CONTROLLED

Common Name	Fungi Name
Root and stem rot	<i>Rhizoctonia</i> spp.
Botrytis storage rot	<i>Botrytis</i> spp.
Neck dry rot	<i>Stromatinia gladioli</i>
Bulb dry rot	<i>Sclerotium gladioli</i>
Needle blight	<i>Dothistroma pini</i>
Petal blight	<i>Ovulinia azaleae</i>
Bulb and stem rot	<i>Sclerotium rolfsii</i>
Flower blight	<i>Sclerotium carnariae</i>
Crown rot	<i>Puccinia rufii</i>
Black rot	<i>Sclerotinia sclerotiorum</i>

## NURSERY & GREENHOUSE

For *Rhizoctonia* control apply as a soil drench at time of seeding and/or transplanting

#### Tropical Foliage Plants

Ajuga, Aphelandra, Dieffenbachia, Dracena, Ficus, Fittonia, Gynura, Hoya, Peperomia, Pothos, Schefflera, Syngonium, Tradescantia and similar tropical foliage plants. Mix 4 to 8 oz. in 100 gallons 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. One repeat application can be made 4 to 6 weeks later if necessary. Do not apply to *Philodendron* or *Pilea* since injury may occur.

#### Bedding and Flowering Plants

Carnation, Chrysanthemum, Dahlia, Geranium, Marigold, Petunia, Poinsettia, Portulaca, Salvia, Vinca, Zinnie and similar plants. Use 4 oz. with 100 gallons of water and apply to 800 sq. ft. of flat or bench area. Apply at seeding or transplanting time.

#### Herbaceous and Woody Plants

Herbaceous Plants: Kalanchoe, Lily and similar plants. Woody Plants: Azalea, Boxwood, English Ivy, Holly, Juniper, Pine, Rhododendron and similar plants. Use 4 to 8 oz. with 100 gallons of water and apply to 400-800 sq. ft. of bed or bench area.

## FIELD GROWN ORNAMENTAL CROPS

### BROADCAST TREATMENT (Cont.)

For Stem Rot (*Rhizoctonia*) on Calendula, Larkspur, Snapdragon and Sweet Pea use 3 1/2 lbs per 1,000 sq. ft. Apply prior to planting. Thoroughly incorporate to depth of 4 inches.

For *Rhizoctonia* Needle Blight on Southern Pine Seedlings use 50 lbs. per acre. Mix and apply in 100 gallons of water to give 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.

#### AS A BAND TREATMENT

For Neck or Bulb Dry Rot (*Stromatinia* or *Sclerotinia gladioli*) on *Gladiolus* apply 5 1/2 lbs per 1,000 linear feet of row as a 12 inch band centered on the row at planting time. Incorporate to depth of 4 inches. Bulbs may be planted immediately after incorporation.

For Bulb Rot and Stem Rot (*Sclerotinia rolfsii*) on Dutch Iris use 1/2 lb. per 1,000 linear feet of row 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.

#### AS AN IN FURROW TREATMENT AT PLANTING TIME:

For control of *Rhizoctonia* Root Rot on Easter Lilies, and for Crown Rot and Black Rot on Iris, Hyacinth, Narcissus and Tulips: mix 4 1/2 to 6 lbs in 5 to 10 gallons of water and apply per 1,000 linear feet of row. Direct the spray into open furrow to thoroughly cover entire furrow and bulbs. Close furrow in normal manner. Use lower rate for lighter soils and higher rate for heavier soils. For Black Rot control, use high rate.

## GROUND SPRAY for ESTABLISHED AZALEAS and CAMELLIAS

For Azalea Petal Blight (*Ovulinia Azaleae*) on Azaleas and Camellia Flower Blight on Camellia use 1 lb./150 sq. ft. Mix and apply in sufficient water (5 to 10 gallons per 100 sq. ft.) to give uniform coverage to soil beneath bushes and in the plant bed. Begin application prior to opening of buds and repeat every 3 to 4 weeks during bloom season.

Gray Snow Mold 8 oz./5-10 Gals.  
(Typhula spp.)  
Pink Snow Mold  
(Fusarium nivale)

retreat area 3 to 4 weeks later.  
1st treatment should be made prior to first snow fall.

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.

NOTICE: This product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. Manufacturer is not responsible for the use of this product contrary to the label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the manufacturer and/or seller, and buyer assumes risk of any such use.

with water and apply before planting to give uniform ground coverage. Incorporate the spray/drench solution to depth of soil as indicated.

**AS A PRE-PLANT BROADCAST TREATMENT**  
For Rhizoctonia Root Rot on Easter Lillies, and for Crown Rot and Black Rot on Iris, Hyacinth, Narcissus and Tulips use 3 1/4 to 6 1/2 lbs. per 1,000 sq. ft. Thoroughly incorporate to a depth of 6 to 7 inches. Use the lower rate for light soils; the higher rate for heavy soils.

For Bulb Rot and Stem Rot (Sclerotinia rolfii) on Dutch Iris use 3 1/4 to 4 1/2 lbs./1,000 sq. ft. Apply prior to planting. Thoroughly incorporate solution to depth of 2 to 3 inches.

For Neck or Bulb Dry Rot (Stomatia or Sclerotinia gladioli) on Gladiolus use 3 2/3 lbs./1,000 sq. ft. Apply prior to planting. Thoroughly incorporate to depth of 4 to 6 inches. Bulbs may be planted immediately after solution is incorporated.

## and DORMANT ROSES

Use before planting or storing. It is important to maintain continuous circulation of dip solution to assure uniform application of fungicide. Add 1% "Sticker" to solution. Utilize wire mesh for dipping and drain boards to return excess solution to dip tank. Dispose of unused dip solution according to "Storage and Disposal" and observe use of protective clothing (gloves etc.) as listed under "Hazardous to Humans"; both sections found on this label.

For control of Crown Rot and Black Rot on Iris, Hyacinth, Narcissus and Tulips dip bulbs for 5 minutes in a solution containing 2 lbs. PCNB 75 W in 3.2 gallons of water.

For Root Rot (Rhizoctonia) of Easter Lillies dip in a solution containing 4 to 6 lbs. PCNB 75 W in 100 gallons of water for a period of 5 to 15 minutes.

For Botrytis Storage Rot on Roses: Dip or spray dormant plants before packaging or storage, with a solution of 2 lbs. PCNB 75W in 100 gals. of water.

**NET WEIGHT 50 POUNDS**

**AMVAC CHEMICAL CORPORATION**  
4100 EAST WASHINGTON BLVD. - LOS ANGELES, CA 90023

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