

PM 25 5481-279 10/78

# PCNB 75%

## Wettable Powder Soil Fungicide

FOR COTTON, PEANUTS, BEANS\*\*\*, BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, GARLIC\*\*, PEPPERS, TOMATOES\*\*

ACTIVE INGREDIENT: Penicillium chrysogenum (PCNB) 75.0%  
 INERT INGREDIENTS 25.0%  
 TOTAL 100.0%

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

EPA Registration No. 5481-279

EPA Est. No. 51036-GA-1

**STATEMENTS OF PRACTICAL TREATMENT**

Followed: Call for information on this Control Center immediately. Induce vomiting by giving victim 1 to 2 quarts of water, a double back of throat with finger. Do not induce vomiting or give anything by mouth to unconscious persons. If person is conscious, flush eyes with plenty of water. Get medical attention immediately. Do not use PCNB in areas where it is not registered. Remove victim to fresh air and give artificial respiration if required.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**CAUTION:** Harmful if swallowed. Avoid inhaling dust. May cause skin irritation. Avoid contact with skin. Do not contaminate feed or feedstuffs.  
**PERSONAL PROTECTIVE EQUIPMENT (PPE)**  
 Applicators and other handlers must wear long sleeved shirt and long pants; waterproof gloves, shoes plus socks and for exposures outdoors, a Dust/Mist filtering respirator (MSHA/NIOSH approval number for TC 210). For exposures in enclosed areas, a respirator with either an organic vapor-filtering cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number for TC 23C), or a canister approved for pesticides (MSHA/NIOSH approval number for TC 14G). Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE away 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. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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. 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. If any requirements for testing, deceleration, 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): 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with any living that has been treated, such as plants, soil, or water, is: coveralls, waterproof gloves and shoes plus socks.

**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 testing, deceleration, 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): 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with any living that has been treated, such as plants, soil, or water, is: coveralls, waterproof gloves and shoes plus socks.

**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. **PESTS USE DISPOSITION:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or empty container 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:** Triple rinse, if applicable, application equipment. Then dispose of immediately in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**DIRECTIONS FOR USE**  
 This is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**Use and Rates Chart PCNB 75% Wettable Powder**

CROP	DISEASE	POUNDS / ACRE	OZS./1,000 FT. OF ROW	RECOMMENDED APPLICATION
BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER	Clubroot (Fusarium crown rot)	2 to 8 pounds / acre Apply in 100 gallons of water. Use 1/2 to 3/4 pint of this solution per plant.		Transplant Solution: The specified dosage should be based on the severity of the disease infection. Maintain agitation to hold powder in suspension. 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 after planting. 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. Preplant Soil Mix: Apply specified dosage as a spray in an 8 to 12 inch band centered on the row and incorporate to a depth of 2 to 4 inches using suitable equipment.
	11-19 For effective control of Fusarium crown rot (Fusarium wilt) on Broccoli, Brussels sprouts, cabbage and cauliflower, it is essential to use a soil drench.	15 to 20 lbs/acre. Apply in 50 gallons of water. For smaller areas use 1 level tablespoon of per gallon of water as a soil drench per 50 sq ft of seed bed. Apply with watering can or similar equipment.		Row Drench Treatment: Spray as an 8 inch band centered on the row at the time of, or immediately after seeding. In Row Application: Apply as an in-row spray at planting time. Attach a spray rig to the machine planter and spray in 12 inch bands using 2 nozzles per row. Direct front nozzle in spray line "seed" as the drench, direct the rear nozzle to spray the row "soil" for good mechanical agitation in the soil as the machine moves forward. Clove Treatment: Use in conjunction with a uniform mist spray for complete coverage of treated cloves. For optimum results add a commercial fertilizer to the clove solution.
GARLIC**	White Rot (Sclerotium cepivorum)	10 to 15 pounds / acre Apply in 100 gallons of water (40 inch row spacing for broccoli, brussels sprouts, and cauliflower, 45 inch row spacing for cauliflower, 40 inch row spacing). Apply in 100 gallons of water (24 inch row spacing).	Broccoli, Brussels Sprouts, Cabbage, 20 to 22 ounces Cauliflower 14 to 22 ounces 20 ounces	Apply at the time of transplanting. The solution should be agitated often to maintain a uniform suspension and allow proper drainage. Apply as an in-row spray to the open, 1/2" trench just prior to planting. White rot, if present, is a soilborne disease that can be spread by soil getting untreated soil against stems, etc., etc.
	13 1/2 pounds / 1,000 lbs of "seed" cloves			Apply specified dosage as directed in furrow spray to the seed and surrounding soil at planting time. Do not use the feeding or straw of cotton foliage by insect.
PEPPERS, TOMATOES**	Southern Blight (Sclerotium rolfsii)	3 to 5 pounds in 100 gallons of water. Use 1/2 pint of this solution / plant.	Peppers, 11 ounces Staked Tomatoes, 22 ounces	PRE-PLANT SOIL MIX: Apply specified dosage as a spray in an 8 to 12 inch band centered on the row and incorporate to a depth of 2 to 4 inches using suitable equipment. BROADCAST APPLICATION: 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. If the row middles are cultivated at the same time, attach two spray nozzles (one to each side), ahead of inside cultivator wheels. Do not move any untreated soil into the area. (If necessary, remove inside front wheel.) AT CULTIVATION: Apply specified dosage at cultivation. Do not apply more than 3 times per crop season. Attach two spray nozzles per row of outside cultivator wheels (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.
	10 pounds / acre Apply in 100 gallons of water (36 inch row spacing for peppers, 72 inch row spacing for staked tomatoes, 48 inch row spacing for staked tomatoes). 1.4 to 2.4 pounds / acre (40 inch spacing). Apply at least 12 quarts of water. 2.5 lbs row spacing 13 1/2 pounds / acre Apply in 8 to 10 gallons of water.		4 1/2 pounds / acre	
PEANUTS	White Stem Rot (Sclerotium rostratum)	1.5 to 2 pounds / acre Apply in 8 to 10 gallons of water (18 inch row spacing for bush type beans, 82 inch row spacing for pole beans).	Bush Beans 1 1/4 to 22 ounces Pole Beans 2 1/2 to 3 1/2 ounces	Apply as directed spray in the seed furrow and to the covering soil at planting time.
	11.3 to 2 pounds / acre Apply in 8 to 10 gallons of water. Apply in 8 to 10 gallons of water.			
BEANS*** (Snap & Dry)	White Mould (Sclerotinia sclerotiorum)	1.5 to 2 pounds / acre Apply in 8 to 10 gallons of water. Apply in 8 to 10 gallons of water.	Bush Beans, 3 ounces Pole Beans, 5 1/2 ounces	Apply as an 8 inch band centered on the row 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 the bloom. Do not exceed the actual PCNB per acre in any one season regardless of method of application. Do not feed treated vines to livestock.			

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.

**IMPORTANT: PLEASE READ BEFORE USE**  
 AMVAC warrants that (a) its product conforms to the chemical description on its label, (b) the product is reasonably safe for the purposes stated on its label, subject to the inherent risks referred to herein, when used in accordance with its directions, and (c) that the directions, warnings, cautions and other statements on the label are based upon responsible experts' evaluations of residue on crops, and upon reports of field experience. Testing has not been performed on all varieties of food crops, and plants, in all states, or under all application weather and crop conditions.

**GENERAL INFORMATION**  
 PCNB 75% wettable powder is a soilborne fungicide recommended for control of the listed soilborne diseases of field and vegetable crops. Best results are achieved when used as a preventive program. Follow the rate and the recommended application techniques as described in the following chart. Carefully read and understand soil and label directions.  
**VEGETABLES**  
 PCNB 75% Wettable Powder will be applied to the soil as a preventive fungicide for control of the listed diseases which attack specific vegetable crops. This can be accomplished by applying the product as a soil drench which may be accomplished by application of 80 in a furrow application. Use for certain crop uses (Snap & Dry beans) listed in the chart. Consult the following Use & Rates chart for specific directions and recommendations on the use of this product.  
 THE AMVAC CORPORATION, 4100 EAST WASHINGTON BLVD., LOS ANGELES, CALIF. 90023  
 PHONE 24 HOURS A DAY: 1-800-424-8300  
 HAZARDOUS MATERIAL SERVICES (HMS) 1-800-228-5835 EXT. 109

There are no express warranties other than those set forth herein. AMVAC neither makes nor intends to make any express or implied warranty, express or implied, AMVAC expressly disclaims all implied warranties of merchantability, fitness for particular purpose, or any other warranty of quality or performance.  
 The warranty does not extend to, and the user shall be solely responsible for, any loss or damage which results from the use of the product in any manner which is not in accordance with the label's directions, warnings, cautions or other statements on the label. User's exclusive remedy and AMVAC or seller's exclusive liability for any claim, loss, damage or injury resulting from the use of or handling of this product, whether or not based in contract, negligence, strict liability in tort, or otherwise, shall be limited, at AMVAC's option, to replacement of, or repayment of the purchase price for, the quantity of product with respect to which damages are claimed. In no event shall AMVAC or Seller be liable for special, indirect or consequential damages resulting from the use or handling of this product. (7/17/78) (MS 108 18 84)

NET WEIGHT 50 POUNDS  
**AMVAC CHEMICAL CORPORATION**  
 4100 EAST WASHINGTON BLVD. - LOS ANGELES, CA 90023 U.S.A.

ACCEPTED  
 Nov 29 1994

BEST AVAILABLE COPY

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended for the pesticide registered under EPA Reg. No. 5481-279

**BROADCAST TREATMENT (Cont)**

For Black Rot (Phytophthora blight) on Gladiolus use 3 2/3 lbs. per 1,000 sq ft... For Dutch Elm Disease (Sclerotinia rot) on Dutch Elm use 1 1/2 lb. per 1,000 linear feet of row...

**AS A BAND TREATMENT**

For Black Rot (Phytophthora blight) on Gladiolus apply 5 1/2 lb. per 1,000 linear feet of row as a 12 inch band... For Dutch Elm Disease (Sclerotinia rot) on Dutch Elm use 1 1/2 lb. per 1,000 linear feet of row...

**AS AN IN-FURROW TREATMENT AT PLANTING TIME**

For Black Rot (Phytophthora blight) on Gladiolus, use 1 1/2 lb. per 1,000 linear feet of row... For Dutch Elm Disease (Sclerotinia rot) on Dutch Elm use 1 1/2 lb. per 1,000 linear feet of row...

Do not apply to plants in flower... Do not apply to plants in flower...

Do not apply to plants in flower... Do not apply to plants in flower...

**ORNAMENTALS**

For Black Rot (Phytophthora blight) on Gladiolus use 3 2/3 lbs. per 1,000 sq ft... For Dutch Elm Disease (Sclerotinia rot) on Dutch Elm use 1 1/2 lb. per 1,000 linear feet of row...

**DISEASES CONTROLLED**

- Black Rot (Phytophthora blight)
Dutch Elm Disease (Sclerotinia rot)
Fungal Blight
Leaf Spot
Pink Snow Mold
Gray Snow Mold

**PRECAUTIONARY STATEMENTS**

HAZARDOUS TO AQUATIC LIFE AND TERRESTRIAL ANIMALS... Avoid contact with skin...

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Use gloves and eye protection... Use gloves and eye protection...

**USE SAFETY RECOMMENDATIONS**

Use gloves and eye protection... Use gloves and eye protection...

**STORAGE AND DISPOSAL**

Store product in its original container... Store product in its original container...

**DIRECTIONS FOR USE**

For Azalea Petal Blight (Phytophthora blight) on Azaleas... For Azalea Flower Blight (Phytophthora blight) on Azaleas...

**GENERAL INFORMATION**

Do not apply to plants in flower... Do not apply to plants in flower...

**FOR TURFGRASS**

Use as a preventive measure... Use as a preventive measure...

**DISEASES CONTROLLED**

- Brown Patch (Rhizoctonia blight)
Leaf Spot (Phytophthora blight)
Fungal Blight
Pink Snow Mold
Gray Snow Mold

**FOR TURFGRASS**

Use as a preventive measure... Use as a preventive measure...

**DISEASES CONTROLLED**

- Brown Patch (Rhizoctonia blight)
Leaf Spot (Phytophthora blight)
Fungal Blight
Pink Snow Mold
Gray Snow Mold

Table with 3 columns: Disease/Insect, Amount per 1,000 sq ft, and How and When to Apply. Includes treatments for Brown Patch, Dutch Elm Disease, Helminthosporium spp., and Snow Molds.

**NURSERY & GREENHOUSE**

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

Tropical Foliage Plants: Apply Aphelandra, Dieffenbachia, etc. Use 4 to 8 oz. per 100 gallons of water...

Bedding and Flowering Plants: Carnation, Chrysanthemum, etc. Use 4 oz. per 100 gallons of water...

Herbaceous and Woody Plants: Hebeaceous Plants, etc. Use 4 to 8 oz. per 100 gallons of water...

**FIELD GROWN ORNAMENTAL CROPS**

How to Mix and Apply: Mix the following amounts of PCNB 75% in sufficient water...

As a Pre Plant Broadcast Treatment: For Rhizoctonia Root Rot on Easter Lilies, etc. Use 3 1/4 to 4 1/2 lb. per 1,000 sq ft...

Supplemental and Additional Labeling for Food & Fiber Crops: EPA REG NO 5481-279, EPA EST NO 51036-GA-1

**PCNB 75% Wettable Powder 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%

**KEEP OUT OF REACH OF CHILDREN - CAUTION**

**STATEMENTS OF PRACTICAL TREATMENT**

If Swallowed: Call a physician or Poison Control Center immediately... Do not induce vomiting...

**AMVAC CHEMICAL CORPORATION**

4100 EAST WASHINGTON BLVD - LOS ANGELES, CA 90022 U.S.A.

**GROUND SPRAY FOR ESTABLISHED AZALEAS AND CAMELLIAS**

For Azalea Petal Blight (Phytophthora blight) on Azaleas... For Azalea Flower Blight (Phytophthora blight) on Azaleas...

**DIP TREATMENT FOR BULBS AND DORMANT ROSES**

Use before planting or storing... Use before planting or storing...

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling... Use this product only in accordance with its labeling...