

PCNB 75%

Wettable Powder Soil Fungicide

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

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

BEST AVAILABLE COPY

EPA Registration No. 5481-279

**KEEP OUT OF REACH OF CHILDREN
 CAUTION**

EPA Est. No. 51036-GA-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 louching 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.

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. *Not for any use in California on Garlic, Tomatoes or as a postplant application on Snap or Dry Beans for control of white mold (*Sclerotinia sclerotiorum*).

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 foodstuffs.

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 prefix TC-21C). For exposures in enclosed areas, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G). Follow manufacturer's instructions for cleaning/maintaining. 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. 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.

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, to areas where surface water is present or to intertidal areas below the mean high water mark. 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.

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 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 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) of 12 hours. 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 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. **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.

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 (Plasmodiophora brassicae)	2 to 6 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.
		30 pounds / acre Apply in 25 gallons of water (40 inch row spacing for broccoli; brussels sprouts, and cabbage; 48 inch row spacing for cauliflower.) 40 pounds / acre Apply in 30 gallons of water	Broccoli, Brussels Sprouts, Cabbage, 36.6 ounces. Cauliflower, 44 ounces.	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.
				Broadcast Drench Application: Apply as a soil drench at the time of or immediately after seeding.
	Note: For effective control of Wire Stem or Black Root (Corticium solani)	Clubroot on broccoli, brussels sprouts, cabbage and cauliflower, it is extremely important to thoroughly mix PCNB with the soil. 15 to 20 lbs./acre. Apply in 50 gallons water		
		For smaller areas use 1 level tablespoonful per gallon of water as a soil drench per 50 sq ft of seed bed. Apply with watering can or similar equipment		
		10 to 15 pounds / acre. Apply in 35 gallons water. (40 inch row spacing for broccoli; brussels sprouts, and cabbage; 48 inch row spacing for cauliflower)	Broccoli, Brussels Sprouts, Cabbage 12.2 to 18.3 ozs. Cauliflower 14.6 to 22 ozs	Row Drench * treatment. Spray as an 8 inch band centered on the row at the time of, or immediately after seeding
GARLIC*	White Rot (Sclerotium capavorum)	27 1/2 pounds / acre Apply in 100 gallons of water* (24 inch row spacing)	20 ounces	In Furrow Application: Apply as an in-furrow spray at planting time. Attach a spray rig to the machine planter and spray in 12 inch bands using 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 / 1,000 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.

*Not for use on Garlic in California

BROADCAST TREATMENT (Con't.)

For Neck or Bulb Dry Rot (*Stromatolite* 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.

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 (*Stromatolite* 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.

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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.

ORNAMENTALS

Solutions of PCNB 75% 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>Stromatolite gladioli</i>
Bulb dry rot	- <i>Sclerotium gladioli</i>
Needle blight	- <i>Dothistromia pini</i>
Petal blight	- <i>Oxulinia azaleae</i>
Bulb and stem rot	- <i>Sclerotium rolfsii</i>
Flower blight	- <i>Sclerotium camelinae</i>
Crown rot	- <i>Pellicularia rolfsii</i>
Black rot	- <i>Sclerotinia sclerotiorum</i>

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Disease/Host	Am't./Gal. water per 1,000 Sq 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, Rye, Fescue, Bent and similar cool season grasses	3-4 oz./3-6 Gals	Apply at 1st sign of disease. Repeat every 7-10 days during warm damp weather.
Helminthosporium spp.* Leaf Spot Dollar Spot* (<i>Sclerotinia homocarpa</i>) *Do not use in California	7-10 oz./5-10 Gals	For preventative apply in spring or fall of each year. If disease is present apply at 10 oz. rate as soon as possible. If disease is severe or reappears retreat area 3 to 4 weeks later.
Gray Snow Mold (<i>Typhula</i> spp.) Pink Snow Mold	8 oz./5-10 Gals	1st treatment should be made prior to first snow fall.

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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 6 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, Sakia, Vinca, Zinnia 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

HOW TO MIX AND APPLY

Mix the following amounts of PCNB 75% in sufficient 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 Lilies, 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 rolfsii*) on Dutch Iris use 3 1/4 to 4 1/2 lbs per 1,000 sq ft. Apply prior to planting. Thoroughly incorporate solution to depth of 2 to 3 inches.

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SUPPLEMENTAL AND ADDITIONAL LABELING FOR

See Basic Label for use of this product on 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%

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ACCEPT
23 1991
Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is registered under EPA Reg. No. 5481-

BEST