

PM 25 5481-212

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PCNB

2-E LIQUID

EMULSIFIABLE CONCENTRATE
A SOIL FUNGICIDE FOR CONTROL OF SOIL-BORNE DISEASES AS LISTED ON COTTON - BEANS* - GARLIC* - POTATOES - TURFGRASS - ORNAMENTALS and FOR SEED TREATMENT

ACTIVE INGREDIENT:
 Pentachloronitrobenzene(PCNB) - - - 24.0%
 INERT INGREDIENTS:- - - - - 76.0%
 TOTAL 100.0%

Contains 2 pounds of PCNB per Gallon *Contains Aromatic Petroleum Solvent

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado completamente.
STATEMENTS OF PRACTICAL TREATMENTS
IF IN EYES: Immediately flush eyes with plenty of water. Get medical attention immediately. **IF SWALLOWED:** Call a physician or Poison Control Center immediately. Do not induce vomiting unless under the supervision of a physician. Vomiting may cause aspiration pneumonia. This product contains an aromatic solvent. **IF ON SKIN:** Remove contaminated clothing and wash affected area with soap and water. Get medical attention if irritation persists. **IF INHALED:** Remove victim to fresh air. Apply artificial respiration if indicated.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER: Corrosive, causes irreversible eye damage. Causes skin irritation. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield when handling. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing vapors or spray mist. Wash hands and face after using and before eating or smoking. Avoid contact with skin by wearing the following protective clothing during mixing/loading operations; gloves, long sleeved shirt, long pants, socks and shoes (in addition professional applicators must wear an approved respirator). Use with adequate ventilation. Do not contaminate feed or foodstuffs.

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, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Do not apply directly adjacent to potable water supplies.

CHEMICAL AND PHYSICAL HAZARDS
 Do not let this spray or store near heat or open flame.

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. Do not apply this product through any type of irrigation system.

* No. for use in California on garlic or for postplant applications on snap & dry beans to control white mold (Sclerotinia sclerotiorum).

See Side/Back Panel for Additional Precautionary statements
 EPA Reg. No. 5481-212 EPA Est. No. 5481-CA-1
AMVAC CHEMICAL CORPORATION
 4100 EAST WASHINGTON BLVD.
 LOS ANGELES, CA. 90023 U.S.A.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
STORAGE: Store product in its original container in a cool, dry, locked place out of reach of children. Protect from temperatures below 32 degrees F.
PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or waste 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 (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved procedures by State and local authorities.

COTTON

For Damping-Off caused by Rhizoctonia solani AS A ROW TREATMENT use 1/2 gallon for sandy soil and 1 gallon for organic soils per acre in a minimum of 15 gallons of water for 15,000 linear feet of row based on a 40 inch spacing. Direct the spray toward the seed and surrounding soil at planting time. Do not allow livestock to graze or feed on cotton foliage in PCNB treated fields.

BEANS

For Root and Stem Rot caused by Rhizoctonia solani AS A FURROW TREATMENT apply 2 to 3 quarts mixed in 8 to 10 gallons of water and apply to 14,500 linear feet of BUSH BEANS or 8,340 linear feet of POLE BEANS. Direct the spray to the base of planting furrow in front of seed drop and to the covering soil at planting time. Do not directly spray bare seed since delayed emergence may result. IN CALIFORNIA and ARIZONA use 3 to 4 pints in 8 to 10 gallons of water and apply to the same linear feet as above indicated for BUSH and POLE BEANS. Direct the spray to the furrow and to the covering soil at planting time. Use the lower rates for sandy and light soils. Do not apply to bare seed.

SNAP & DRY BEANS *

For White Mold caused by Sclerotinia sclerotiorum apply AS A BAND ROW TREATMENT in an 8 inch wide band centered on the row, immediately after or at the time of planting by using 1 gallon mixed in 8 to 10 gallons of water to treat 14,500 linear feet of row for BUSH BEANS or 8,340 linear feet for POLE BEANS (*See: Not for use in California, on front panel.) Avoid application directly to seed since delayed emergence may occur. When Dinitro type pre-emergence herbicides are used, add 1 gallon of this product to the final spray mix of the herbicide and apply simultaneously. If disease is severe additional applications may be made at 2 to 3 week intervals using 1 or 2 nozzles per row and directing the spray to the soil at the base of the plants. Apply at the same rate using 1 gallon in 8 to 10 gallons of water to treat 14,500 linear feet of row. Do not apply after the first blooms appear. Do not feed treated vines to livestock.

GARLIC *

For White Rot caused by Sclerotium cepivorum AS A FURROW TREATMENT use 10 gallons of this product mixed in 100 gallons of water and apply at planting time to 21,800 linear row feet per acre when crop row spacing is 24 inches. This rate is equivalent to 58.7 oz. of PCNB 2-E LIQUID per 1,000 linear feet of row. Utilize an appropriate spray ng attached to the planter and spray 8 to 12 inch wide bands using 2 nozzles per planting furrow. Direct the front nozzle to treat the bottom of the open furrow and the seed as it is dropped from the planter and the rear nozzle to treat the soil as the seed is covered. (*See: Not for use in California, on front panel.)

POTATOES

For Rhizoctonia solani AS A PRE-PLANTING BROADCAST SOIL TREATMENT use 9 to 12 1/2 gallons per acre mixed with sufficient water to total 25 gallons of finished spray. Apply to the soil surface prior to planting and thoroughly disc to a depth of 4 inches by cross discing. Attach a harrow on the last discing. It is desirable to make this treatment when the soil is slightly moist. AS A FURROW TREATMENT use 5 gallons mixed in 15 gallons of water per 12,400 linear feet of row. Using three nozzles per row place the front "Fan" type nozzle ahead of the furrow opening disc with two "Cone" type nozzles placed above and slightly ahead of the closing discs in the rear. Select nozzles that will deliver about 1/3 of the spray mix per acre through each nozzle at the desired planting speed and pressure.

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 use of 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 the risk of any such use.

(Seed Treat. Btl. combined into this copy / 54-212A5.PMG; Amdmt. ICA. Use Restrictions on Garlic & snap Beans; 09-11-92)

BROWN PATCH IN LAWNS AND ORNAMENTAL TURF

SOUTHERN GRASSES - For St. Augustine, Bermuda and similar warm season grasses apply in the fall or spring at the first indication of disease by mixing 1 quart in 10 to 15 gallons of water to treat 1,000 sq. ft. Select a suitable liquid applicator to give even coverage. Sprinkle the area after treatment to move the chemical to the soil level. If heavy rains or flooding occur retreat the area in 3 to 4 weeks. A temporary discoloration may occur but will disappear in a short time. Do not graze treated turf nor feed clippings to livestock.

DICHONDRA

Treat as for grass however use 1 1/2 quarts per 40 gallons of water / 1,000 sq. ft.
ORNAMENTAL AZALEAS AND CAMELIAS

For Azalea Petal Blight & Camellia Flower Blight use AS A DRENCH TREATMENT to the soil beneath the plants using 1 1/2 quart in 30 gallons of water per 150 sq. ft. Begin application prior to opening of buds and repeat every 3 to 4 weeks through the bloom period.

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AS A SEED TREATMENT FUNGICIDE

FOR Barley - Beans - Corn - Cotton - Peas - Sorghum - Soybeans - Rice - Oats - Safflower - Sugar Beets and Wheat. For Control of listed Smut diseases and Damping-off caused by Rhizoctonia sp.

SEED TREATMENT

Use PCNB 2-E LIQUID with suitable liquid or slurry type seed treating equipment such as Panogen or Mist-O-Matic and apply at the rates as indicated below. Seed to be used for planting should be sound, fully cured, clean, and have an excellent germination record. Use the following seed treatment rates per 100 lbs. of seed.

IMPORTANT

The "Seed Treater" is responsible for the use of an approved seed treater Dye in the discoloration of seed that is to be treated and sold for further sales in interstate commerce. The Federal Government and most States have seed laws or regulations that require treated seed to be "tagged" with an appropriate caution statement such as the following. Check with such Agencies before release of treated seed.

TREATED SEED: This seed has been treated with
 ● **PENTACHLORONITROBENZENE (PCNB) FUNGICIDE.**
 Do not use for Food, Feed or Oil Purposes.

HOW TO APPLY

Apply PCNB 2-E LIQUID undiluted to the seed directly from the drum at recommended rates. If desirable add one part water to five parts PCNB 2-E LIQUID. Make sure to recalibrate equipment to deliver the recommended rate of PCNB 2-E LIQUID per 100 lbs of seed. Refer to following chart. Use highest rate for pathologically infected seed and when conditions are known to favor the development of soil-borne diseases. For Cotton use the lower rate for acid delinted; the higher rate for mechanically delinted.

Planting Seeds	Rates /100 lbs. Seed (fl.oz.)	Seedling Disease Complex	
Barley	4.20 to 8.40	Covered Smut	
Beans	3.35	Rhizoctonia & Fusarium	
Corn	3.35		
Cotton***	12.0 to 16.20		
Peas	3.35 to 6.70		
Sorghum	1.95		
Soybeans	3.35 to 6.70		
Rice	4.45 to 8.90		
Oats	6.13 to 12.26		Oat Smut
Safflower	1.95 to 3.90		Seed-borne rust, Rhizoctonia & Fusarium
Sugar Beets	6.13 to 12.0		Rhizoctonia & Fusarium
Wheat	3.35	Common Smut or Bunt Rhizoctonia & Fusarium	

Limited Warranty Notice - Read Carefully

The treatment of poor quality or mechanically damaged seed, except for the curative control of existing diseases, may result in reduced germination and/or reduction of seed or seedling vigor. To avoid these results, first conduct germination tests on small portions of such treated seed before treating the entire lot. Due to seed conditions beyond our control no claims can be made to guarantee the germination of "carry-over" or such "damaged or low vigor" treated seed.

ACCEPTED
 OCT 15 1992
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under
 EPA Reg. No. 5481-212