

DEC 18 1991

Amvac Chemical Corporation
 c/o H.R. McLane
 H.R. McLane, Inc.
 7210 Red Road, Suite 206
 Miami, Florida 33143-5321

8408747 / H06
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Dear Mr. McLane:

Subject: Amended Labeling
 PCNB 2-E Liquid
 EPA Registration No. 5481-212
 Your Submissions Dated November 15, 1991 and
 November 25, 1991

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable with the following comments:

1. Under the Environmental Hazards section, in the next to the last sentence, delete "or wetlands" on the label and in the supplemental labeling.
2. Delete the section titled "Directions for Use" following the list of crops and diseases in the supplemental labeling. This paragraph already appears on the label preceding the Storage and Disposal section.
3. Under "How to Apply" in the supplemental labeling, delete the word "actual".

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

Sincerely yours,

Susan T. Lewis
 Product Manager (21)
 Fungicide-Herbicide Branch
 Registration Division (H7505C)

Enclosure		CONCURRENCES					
SYMBOL	H7505C:J.Fairfax:jf:12/17/91						
SURNAME							
DATE							

BEST AVAILABLE COPY

BEANS (Continued)

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. Avoid application directly to seed since delayed emergence may occur. When Dir:itro 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 rate 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 rig 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.

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 water per acre. 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.

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.

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.

(54-212A2.PM3/Sig. Wd./Pre-Statmts/Seed Trmt. Rev.11-15-91.)

PCNB 2-E LIQUID

EMULSIFIABLE CONCENTRATE SOIL FUNGICIDE

FOR CONTROL OF SOIL-BORNE DISEASES AS LISTED
ON COTTON - BEANS - GARLIC - POTATOES
TURFGRASS and ORNAMENTALS
See PCNB 2-E LIQUID Supplemental Booklet
For Use of Product as A 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

"PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente"

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.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 5481-212

EPA EST NO. 5481-CA-1

NET CONTENTS 5 GALLON

AMVAC CHEMICAL CORPORATION

4100 EAST WASHINGTON BLVD.

LOS ANGELES, CA. 90023 U.S.A.

ACCEPTED FOR EXPORT WITH COMMENTS

1991

Office of Pesticide Regulation
EPA Reg. No. 5481-212

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PCNB 2-E LIQUID

EMULSIFIABLE CONCENTRATE SOIL FUNGICIDE

FOR CONTROL OF SOIL-BORNE DISEASES AS LISTED
ON COTTON - BEANS - GARLIC - POTATOES
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LOS ANGELES, CA. 90023 U.S.A.

ADDITIONAL COMMENTS

See Supplemental Booklet:

1991

Use only for soil fungicide, not for use as a disinfectant. Do not use on ornamentals. See EPA Reg. No. 5481-212

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive, causes irreversible eye damage. Do not get in eyes. Wear goggles or face shield when handling. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with skin or clothing. This product may cause skin irritation. 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 or wetlands when disposing of equipment washwaters. Do not apply directly adjacent to potable water supplies.

CHEMICAL AND PHYSICAL HAZARDS

Do not use, pour, spill, 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.

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 20 degrees F.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. 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:** 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 13,000 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.

(BEANS continued on next panel)

Pentachloronitrobenzene(PCNB)	24.0%
INERT INGREDIENTS*	78.0%
TOTAL	100.0%

Contains 2 lbs. of PCNB/Gallon* Contains Aromatic Petroleum Solvent

KEEP OUT OF REACH OF CHILDREN DANGER

"PRECAUCION AL USUARIO: Si usted no lee Ingles, no use este producto hasta que la etiqueta l.sya sido explicado ampllamente"

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.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 5481-212

EPA EST NO. 5481-CA-1

NET CONTENTS 5 GALLONS

AMVAC CHEMICAL CORPORATION

4100 EAST WASHINGTON BLVD.

LOS ANGELES, CA. 90023 U.S.A.

5481-212

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive, causes eye damage. Do not get in eyes. Wear goggles or face shield when handling. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with skin or clothing. This product may cause skin irritation. 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 or wetlands when disposing of equipment washwaters. Do not apply directly adjacent to potable water supplies.

CHEMICAL AND PHYSICAL HAZARDS

Do not use, pour, spill, 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.

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 20 degrees F. **PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. 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:** 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.

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 actual PCNB 2-E LIQUID per 100 lbs of seed. Refer to following chart.

Planting Seeds	Rates /100 lbs. Seed** (fl.oz.)	Seedling Disease Complex
Barley	4.20 to 8.40	Covered Smut
Beans	3.35	<i>Rhizoctonia & Fusarium</i>
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. <i>Rhizoctonia & Fusarium</i>
Sugar Beets	6.13 to 12.0	<i>Rhizoctonia & Fusarium</i>
Wheat	3.35	Common Smut or Bunt <i>Rhizoctonia & Fusarium</i>

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. (54-212SP.PM3/Seed Trtmt. Rates Reduction Sup. Bklt. Amdmt.-11-25-91)

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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

DIRECTIONS FOR USE


It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not plant any root crop not registered for PCNB in rotation on PCNB treated soil. Do not apply this product through any type of irrigation system.

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, cleaned 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.

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.

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