

Reg # 5481-441

PM-25

File
196



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

H. R. McLane
AMVAC CHEMICAL CORP.
4100 East Washington Blvd
Los Angeles, CA 90023

Subject: Label Amendment Submission of 12/07/93 in Response to PR Notice 93-7
EPA Reg. No. 5481-441
PCNB 75 DG

IMPORTANT NOTICE: This Letter Requires You to Submit a Notification to the Office of Compliance Monitoring within 20 Days.

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments listed on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

SERIOUS ERROR(S) ON SUBMITTED LABELING:

EPA has determined that one or more of the errors on the labeling you submitted to the Agency is categorized as "serious" as defined in PR Notice 93-11. In general, serious errors are those that may create a potential for harm to workers, handlers, other persons, or the environment; or those that prevent the achievement of the basic goals of the Worker Protection Standard (WPS) or FIFRA.

YOU MUST NOT SELL OR DISTRIBUTE (INCLUDING RELEASE FOR SHIPMENT) ANY PRODUCT BEARING THE SUBMITTED LABELING. Sale or distribution of any product with the incorrect labeling is a violation of FIFRA that could result in initiation of an action for civil penalties and/or cancellation of your product. This matter has been referred to the Office of Compliance Monitoring (OCM) for further action.

YOU MUST SUBMIT A NOTIFICATION TO THE OFFICE OF COMPLIANCE MONITORING WITHIN 20 DAYS OF THE DATE OF THIS LETTER.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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Each notification must include the following information:

1. Registrant's name and address.
2. EPA Registration number of the product for which the labeling was submitted.
3. Whether any product already has been sold or distributed (this includes released for shipment) bearing the submitted labeling.

In addition, the notification must include the following information, IF you have already sold or distributed any product bearing the submitted labeling:

1. Quantity of the product that has been sold or distributed.
2. EPA Producing Establishment number.
3. Location of the product, if known.
4. Proposed plan for assuring that product with the incorrect labeling in your control, as well as that in the hands of dealers/distributors/users, will be corrected. The plan must include your proposal for assuring that the labeling is corrected as soon as possible.

Submit the notification to:

Michael Wood, Director
Compliance Division. (7203)
Worker Protection Notification
Office of Compliance Monitoring
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460

Failure to submit a notification also may result in initiation of an action under FIFRA for civil penalties, if you sold or distributed (this includes released for shipment) product bearing the incorrect labeling.

IN ADDITION, YOU SHOULD CONTACT IMMEDIATELY THE PERSONS TO WHOM YOU SOLD OR DISTRIBUTED YOUR PRODUCT AND INFORM THEM NOT TO SELL OR DISTRIBUTE ANY PRODUCT WITH THE INCORRECT LABELING.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the WPS labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have neither been reviewed nor accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Submit the required notification. Then by the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling as amended

AND

- WITHIN one year from date of this acceptance.

Submit the final printed labeling via the U.S. Postal Service to:

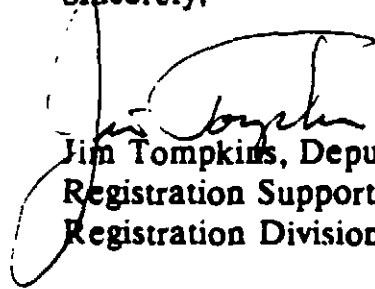
Document Processing Desk (FIN-LABEL)
 Office of Pesticide Programs (7505C)
 U.S. Environmental Protection Agency
 401 M Street, SW.
 Washington, D.C. 20460-0001

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Hand or courier deliveries of final labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

cc: Office of Compliance Monitoring

PCNB 75 DG

A Soil Fungicide For Turf and Ornamentals - For Field and Vegetable Crops
 FOR PREVENTION AND CONTROL OF SOIL-BORNE DISEASES WHICH ATTACK TURFGRASS, NURSERY AND GREENHOUSE PLANTS, ORNAMENTALS, BEDDING AND FLOWERING PLANTS, HERBACEOUS AND WOODY ORNAMENTALS AND FOR FIELD AND VEGETABLE CROPS

ACCEPTED
 with COMMENTS
 EPA Label Dated
 MAR 7 1994
 441

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

BEST AVAILABLE COPY

**KEEP OUT OF REACH OF CHILDREN
 CAUTION**

EPA Est. No. 441-CA-1

EPA Registration No. 5481-441

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.

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not use this product in California for control of Leaf Spot or Dollar Spot on Turf.

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). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. 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. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. PPE required for entry into 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: long sleeved shirt and long pants, waterproof gloves and shoes plus socks.

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 a Dust/Mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). Follow manufacturer's instructions for cleaning/maintaining PPE. 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 surfaces 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.

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. (441-WPS.PM4 / 12-07-93)

GENERAL INFORMATION

This product is a wettable powder and is recommended for use in water. When mixing make sure that the water mixture is continuously agitated to give uniform fungicide coverage. PCNB 75 DG 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 homoeocarpa*)*
- Gray Snow Mold (*Typhula spp.*)
- Pink Snow Mold (*Fusarium nivale*)

*Do not use in California.

For best results use PCNB 75 DG 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.

ORNAMENTALS

Mixtures of PCNB 75 DG 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 spp.</i>
Botrytis storage rot	<i>Botrytis spp.</i>
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 camelinae</i>
Crown rot	<i>Peltularia rolfsii</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, Dracaena, Ficus, Fritonia, 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, 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 DG 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./1,000 sq. ft. Apply prior to planting. Thoroughly incorporate solution to depth of 2 to 3 inches. For Neck or Bulb Dry Rot (*Stromatinia* 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 1/2 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.

IMPORTANT: PLEASE READ BEFORE USE

By using this product, the user accepts the following:

LIMITED WARRANTY:

AMVAC warrants that (a) this product conforms to the chemical description on its label; (b) this product is reasonably fit 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 this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and plants, of residues on food 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.

Disease/Host	Rate/Cal 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 homoeocarpa</i>) On Cool & Warm season turf varieties (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 spp.</i>)	8 oz./5-10 Gals.	1st treatment should be made prior to first

Applicators and other handlers must wear long-sleeved shirt and long pants; waterproof gloves; shoes plus socks and a Dust/Mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). Follow manufacturer's instructions for cleaning/maintaining PPE. 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 surfaces 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

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to the statements on this label about personal protective equipment (PPE). The requirement in this box only apply to uses of this product that are covered by the Worker Protection Standard. 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. 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: long sleeved shirt and long pants, 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. (441-WPS-PMA/12-07-93)

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GENERAL INFORMATION

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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 homoeocarpa*)
- Gray Snow Mold (*Typhula* spp.)
- Pink Snow Mold (*Fusarium nivale*)

*Do not use in California.

For best results use PCNB 75 DG 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.

ORNAMENTALS

Mixtures of PCNB 75 DG 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	Fungal Name
Root and stem rot	<i>Rhizoctonia</i> spp.
Botrytis storage rot	<i>Botrytis</i> spp.
Neck dry rot	<i>Stromelia gladioli</i>
Bulb dry rot	<i>Sclerotinia 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 camelinae</i>
Crown rot	<i>Peltularia rolfsii</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

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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.

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Carnation, Chrysanthemum, Dahlia, Geranium, Marigold, Petunia, Poinsettia, Portulaca, Salvia, 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.

DIP TREATMENT for BULBS 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 "Hazards 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 DG in 3.2 gallons of water. **For Root Rot (*Rhizoctonia*) of Easter Lilies** dip in a solution containing 4 to 6 lbs. PCNB 75 DG 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 75 DG in 100 gals. of water.

FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY
TRANSPORTATION CHEMTRAC 1-800-424-9300
MEDICAL HAZARD INFORMATION SERVICES (HIS) 1-800-278-5635 Ext 169

FIELD GROWN ORNAMENTAL CROPS

HOW TO MIX AND APPLY

Mix the following amounts of PCNB 75 DG 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./1,000 sq. ft. Apply prior to planting. Thoroughly incorporate solution to depth of 2 to 3 inches.

For Neck or Bulb Dry Rot (*Stromelia* 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 Bright 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 (*Stromelia* 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.

IMPORTANT: PLEASE READ BEFORE USE

By using this product the user accepts the following:

LIMITED WARRANTY

AMVAC warrants that (a) this product conforms to the chemical description on its label; (b) this product is reasonably fit 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 this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and plants, of residues on food 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. There are no express warranties other than those set forth herein. Amvac neither makes nor intends, nor does it authorize any agent or representative to make, any other warranty, express or implied. Amvac expressly excludes and disclaims all implied warranties of merchantability, fitness for particular purpose, or any other warranty of quality or performance. This warranty does not extend to, and the user shall be solely responsible for, any loss or damage which results from the use of this product in any manner which is inconsistent with this label's directions, warnings or cautions. User's exclusive remedy and Amvac's or seller's exclusive liability for any claim, loss, damage, or injury resulting from the use or handling of this product, whether or not based in contract, negligence, strict liability in tort, or other wise 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.

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 homoeocarpa</i>) On Cool & Warm season turf varieties. (*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 (<i>Fusarium nivale</i>) Cool Season turf varieties	8 oz /5-10 Gals.	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.

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 (441-WPS-PM4/12-07-93)

Net Weight 50 pounds

For the use of PCNB 75 DG on the following Field and Vegetable crops refer to the PCNB 75 DG Supplemental/Additional Label Booklet FOR COTTON, PEANUTS, BEANS, BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, GARLIC, PEPPERS, TOMATOES

AMVAC CHEMICAL CORPORATION

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

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Reg # 5481-441

PM-25

File
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

H. R. McLane
AMVAC CHEMICAL CORP.
4100 East Washington Blvd
Los Angeles, CA 90023

Subject: Label Amendment Submission of 12/07/93 in Response to PR Notice 93-7
EPA Reg. No. 5481-441
PCNB 75 DG

IMPORTANT NOTICE: This Letter Requires You to Submit a Notification to the Office of Compliance Monitoring within 20 Days.

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments listed on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

SERIOUS ERROR(S) ON SUBMITTED LABELING:

EPA has determined that one or more of the errors on the labeling you submitted to the Agency is categorized as "serious" as defined in PR Notice 93-11. In general, serious errors are those that may create a potential for harm to workers, handlers, other persons, or the environment; or those that prevent the achievement of the basic goals of the Worker Protection Standard (WPS) or FIFRA.

YOU MUST NOT SELL OR DISTRIBUTE (INCLUDING RELEASE FOR SHIPMENT) ANY PRODUCT BEARING THE SUBMITTED LABELING. Sale or distribution of any product with the incorrect labeling is a violation of FIFRA that could result in initiation of an action for civil penalties and/or cancellation of your product. This matter has been referred to the Office of Compliance Monitoring (OCM) for further action.

YOU MUST SUBMIT A NOTIFICATION TO THE OFFICE OF COMPLIANCE MONITORING WITHIN 20 DAYS OF THE DATE OF THIS LETTER.



Recycled/Recyclable
Printed with Soy/Candor ink on paper that
contains at least 50% recycled fiber

IN ADDITION, YOU SHOULD CONTACT IMMEDIATELY THE PERSONS TO WHOM YOU SOLD OR DISTRIBUTED YOUR PRODUCT AND INFORM THEM NOT TO SELL OR DISTRIBUTE ANY PRODUCT WITH THE INCORRECT LABELING.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the WPS labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have neither been reviewed nor accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Submit the required notification. Then by the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling as amended

AND

- WITHIN one year from date of this acceptance.

Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
 Office of Pesticide Programs (7505C)
 U.S. Environmental Protection Agency
 401 M Street, SW.
 Washington, D.C. 20460-0001

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A Soil Fungicide For Turf and Ornamentals - For Field and Vegetable Crops

ACCEPTED
with COMMENTS
EPA Label Dated
MAR 7 1994
The Special Insecticide
Labeling Act
under the FIFRA provisions
of the FIFRA Act, No.
441

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

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

EPA Registration No. 5481-441

KEEP OUT OF REACH OF CHILDREN
CAUTION

EPA Est. No. 461-CA-1

BEST AVAILABLE COPY

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.

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not use this product in California for control of Leaf Spot or Dollar Spot on Turf.

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.

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). The requirement in this box only apply to uses of this product that are covered by the Worker Protection Standard. 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. 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: long sleeved shirt and long pants, waterproof gloves and shoes plus socks.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Applicators and other handlers must wear long-sleeved shirt and long pants; waterproof gloves; shoes plus socks and a Dust/Mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). Follow manufacturer's instructions for cleaning/maintaining PPE. 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 shoes 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.

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. (441-WPS.PM4/12-07-93)

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

GENERAL INFORMATION

This product is a wettable powder and is recommended for use in water. When mixing make sure that the water mixture is continuously agitated to give uniform fungicide coverage. PCNB 75DG 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.

ORNAMENTALS

Mixtures of PCNB 75 DG 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.

FIELD GROWN ORNAMENTAL CROPS

HOW TO MIX AND APPLY
Mix the following amounts of PCNB 75 DG in sufficient water and apply before planting to give uniform ground coverage. Incorporate the spray/drench solution to depth of soil as indicated.

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	
Common Name	Fungi Name
Root and stem rot	Rhizoctonia spp
Botrytis storage rot	Botrytis spp
Neck dry rot	Stromatinia gladioli
Bulb dry rot	Sclerotium gladioli
Needle blight	Dothistromia pini
Petal blight	Ovulinia azaleae
Bulb and stem rot	Sclerotium rolfisii
Flower blight	Sclerotium camelliae
Crown rot	Pelticaria rolfisii
Black rot	Sclerotinia sclerotiorum

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 rolfisii) 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 (Stromatinia 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.

DISEASES CONTROLLED

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

*Do not use in California.
For best results use PCNB 75 DG 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.

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.

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 rolfisii) 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.

Disease/Host	Amt./Gal. water per 1,000 Sq.Ft.	How and When to Apply
Brown Patch (Rhizoctonia solani) 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 (Sclerotinia homoeocarpa) On Cool & Warm season turf varieties. (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 (Typhula spp.)	8 oz./5-10 Gals.	1st treatment should be made prior to first frost

Bedding and Flowering Plants
Carnation, Chrysanthemum, Dahlia, Geranium, Marigold, Petunia, Poinsettia, Portulaca, Salvia, 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.

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.

DIP TREATMENT for BULBS 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 (always refer to label under

IMPORTANT: PLEASE READ BEFORE USE
by using this product, the user accepts the following:

LIMITED WARRANTY
AMVAC warrants that (a) this product conforms to the chemical description on its label; (b) this product is reasonably fit 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 this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and plants, of residues on food 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.

directly or through drift. Only protected handlers may be in the area during application. 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: long sleeved shirt and long pants, waterproof gloves and shoes plus socks.

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 in clean clothing. Remove PPE immediately after handling this product. Wash the outside of shoes 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.

STORAGE AND DISPOSAL 496

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. (441-WPS-PM4 / 12-07-93)

GENERAL INFORMATION

This product is a wettable powder and is recommended for use in water. When mixing make sure that the water mixture is continuously agitated to give uniform fungicide coverage. PCNB 75 DG 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 homoeocarpa*)*
- Gray Snow Mold (*Typhula spp.*)
- Pink Snow Mold (*Fusarium nivale*)

*Do not use in California.

For best results use PCNB 75 DG 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	Amt./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 homoeocarpa</i>) On Cool & Warm season turf varieties. (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 spp.</i>) Pink Snow Mold (<i>Fusarium nivale</i>) Cool Season turf varieties	8 oz./5-10 Gals.	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.

GROUND SPRAY FOR ESTABLISHED AZALEAS and CAMELLIAS

For Azalea Petal Blight (*Onulnia azaleae*) on Azaleas and Camellia Flower Blight on Camellias 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 (441-WPS-PM4/12-07-93) Net Weight 50 pounds

For the use of PCNB 75 DG on the following Field and Vegetable crops refer to the PCNB-75 DG Supplemental/Additional Label Booklet FOR COTTON, PEANUTS, BEANS, BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, GARLIC, PEPPERS, TOMATOES

ORNAMENTALS

Mixtures of PCNB 75 DG 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	Fungal Name
Root and stem rot	- <i>Rhizoctonia spp.</i>
Botrytis storage rot	- <i>Botrytis spp.</i>
Neck dry rot	- <i>Stromatinia gladioli</i>
Bulb dry rot	- <i>Sclerotium gladioli</i>
Needle blight	- <i>Dothistromia pini</i>
Petal blight	- <i>Onulnia azaleae</i>
Bulb and stem rot	- <i>Sclerotium rolfsii</i>
Flower blight	- <i>Sclerotium camelliae</i>
Crown rot	- <i>Pellicularia rolfsii</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, 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.

DIP TREATMENT for BULBS 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 "Hazards 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 DG in 3.2 gallons of water. For Root Rot (*Rhizoctonia*) of Easter Lilies dip in a solution containing 4 to 6 lbs. PCNB 75 DG 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 75 DG in 100 gals. of water.

FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY
TRANSPORTATION: CHEMTREC 1-800-424-9300
MEDICAL: HAZARD INFORMATION SERVICES (HIS) 1-800-228-5635 Ext 169

FIELD GROWN ORNAMENTAL CROPS

HOW TO MIX AND APPLY

Mix the following amounts of PCNB 75 DG 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./1,000 sq.ft. Apply prior to planting. Thoroughly incorporate solution to depth of 2 to 3 inches.

For Neck or Bulb Dry Rot (*Stromatinia* 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 (*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.

IMPORTANT: PLEASE READ BEFORE USE

By using this product, the user accepts the following:

LIMITED WARRANTY:

AMVAC warrants that (a) this product conforms to the chemical description on its label; (b) this product is reasonably fit 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 this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and plants, of residues on food 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. There are no express warranties other than those set forth herein. Amvac neither makes nor intends, nor does it authorize any agent or representative to make, any other warranty, express or implied. Amvac expressly excludes and disclaims all implied warranties of merchantability, fitness for particular purpose, or any other warranty of quality or performance. This warranty does not extend to, and the user shall be solely responsible for, any loss or damage which results from the use of this product in any manner which is inconsistent with this label's directions, warnings or cautions. User's exclusive remedy and Amvac's or seller's exclusive liability for any claim, loss, damage, or injury resulting from the use or handling of this product, whether or not based in contract, negligence, strict liability in tort, or other wise 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.

AMVAC CHEMICAL CORPORATION

4100 EAST WASHINGTON BLVD. - LOS ANGELES, CA 90023 U.S.A.

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PCNB 75 DG

A Soil Fungicide For Turf and Ornamentals - For Field and Vegetable Crops

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

Refer to the label affixed to the container for instructions in using this product for Turfgrasses and Ornamentals

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

KEEP OUT OF REACH OF CHILDREN
CAUTION

EPA Registration No. 5481-441

EPA Establishment 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 in 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. 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 a Dust/Mist filtering respirator (MSHA/NIOSH approval number prefix required). Follow manufacturers instructions for cleaning/maintaining PPE. If no such instructions for PPE, 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. Drill 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.

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not use this product in California for control of Leaf Spot or Dollar Spot on Turf or to Snap or Dry Beans for control of White Mold.

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). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. 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. 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: long sleeved shirt and long pants, 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. (441WPSP.PM4 / 12-07-93)

Use and Rates Chart for Field and Vegetable Crops

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, broccoli; brussels sprouts, and cabbage; 48 inch row spacings, 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 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		
	Wire Stem or Black Root (Corticium solani)	For smaller areas use 1 level tablespoonful per gallon of water as a soil drench per 50 sq ft. of seed bed. Apply with water can or similar equipment		
		10 to 15 pounds / acre. Apply in 55 gallons water. (40 inch row spacings - broccoli; brussels sprouts, and cabbage; 48 inch row spacings, 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 spraying to the machine planter and spray 8 to 12 inch bands using 2 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.
PEPPERS TOMATOES**	Southern Blight (Sclerotium rotsii)	3 to 5 pounds in 100 gallons of water. Use 1/2 pint of this solution / plant		Apply at the time of transplanting. The solution should be agitated often to maintain a uniform suspension and assure proper dosage
		10 pounds / acre Apply in 100 gallons of water (30 inch row spacings; peppers, 72 inch row spacing, flat tomatoes, 48 inch row spacing, staked tomatoes)	Peppers, 11 ounces Flat Tomatoes 22 ounces Staked Tomatoes 14.6 ozs	Apply as an in-furrow spray to the open "V" trench, just prior to planting. When cultivating, set plows as flat as possible to avoid getting untreated soil against stems of plants.
COTTON	Damping Off (Rhizoctonia solani)	1 1/3 to 2 3/4 pounds / acre (40 inch spacings) Apply at least 15 gals of water	1.6 to 3.4 ounces	Apply specified dosage as directed in-furrow spray to the seed and surrounding soil at planting time. Do not allow the feeding or grazing of cotton foliage by livestock
PEANUTS	Southern stem and root rot (Sclerotium rotsii)	36 inch row spacing 13 1/3 pounds / acre Apply in 8 to 10 gallons of water	14.7 ounces	PRE-PLANT SOIL MIX. Apply specified dosage as a spray in an 8 to 12 inch band centered on the row and incorporated to a depth of 2 to 4 inches. Application may be made simultaneously with planting using suitable application equipment.
		4 1/3 pounds / acre	4.8 ounces	AT PEGGING BAND. 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 sweeps. Do not move any untreated soil into the area. (if necessary remove inside sweep)
				AT CULTIVATION. Apply specified dosage at cultivation. Do not apply more than 3 times per crop season. Attach two spray nozzles per row of inside cultivator sweeps (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.
BEANS	Root and Stem Rot (Rhizoctonia solani)	Note: Do not exceed 10 lbs actual PCNB per acre in any one season, regardless of application methods used. Do not apply within 45 days of harvest. Do not feed treated vines to livestock. Do not allow hogging down of peanuts...		
		1 1/3 to 2 pounds / acre Apply in 8 to 10 gallons of water (36 inch row spacing for bush type beans 62 inch row spacing for pole beans)	Bush Beans 1.4 to 2.2 ozs Pole Beans 2.5 to 3.6 ozs	Apply as directed spray in the seed furrow and to the covering soil at planting time
BEANS***	White Mold	spacing as above	Bush Beans, 3 ounces	Apply in an 8 inch band centered on the row at or immediately after

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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.

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DIRECTIONS FOR USE

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consult the agency responsible for pesticide regulation. Do not use this product in California for control of Leaf Spot or Dollar Spot on Turf or to Snap or Dry Beans or control of White Mold

AGRICULTURAL USE REQUIREMENTS

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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). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. 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. 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: long sleeved shirt and long pants, waterproof gloves and shoes plus socks.

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		30 pounds / acre Apply in 25 gallons of water (40 inch row spacing, broccoli, brussels sprouts, and cabbage; 48 inch row spacings, cauliflower). 40 pounds / acre Apply in 30 gallons of water	Broccoli, Brussels Sprouts, Cabbage: 36.8 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 8 inches immediately after planting
		Note: For effective control of Wire Stem or Black Root (Corticium solani)		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
		clubroot on broccoli, brussels sprouts, cabbage and cauliflower, it is extremely important to thoroughly mix PCNB with the soil.		Broadcast Drench Application. Apply as a soil drench at the time of or immediately after seeding.
		For smaller areas use 1 level tablespoonful per gallon of water as a soil drench per 50 sq ft. of seed bed. Apply with water can or similar equipment		
		10 to 15 pounds / acre. Apply in 35 gallons water. (40 inch row spacings - broccoli, brussels sprouts, and cabbage; 48 inch row spacings, cauliflower)	Broccoli, Brussels Sprouts, Cabbage 12.2 to 16.3 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 6 to 12 inch bands using 2 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.
*Not for use on Garlic in California.		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.
PEPPERS TOMATOES**	Southern Blight (Sclerotium rolfsii)	3 to 5 pounds in 100 gallons of water. Use 1/2 pint of this solution / plant		Apply at the time of transplanting. The solution should be agitated often to maintain a uniform suspension and assure proper dosage.
**Not for use on Tomatoes in California.		10 pounds / acre Apply in 100 gallons of water. (30 inch row spacings - peppers; 72 inch row spacing; flat tomatoes; 48 inch row spacing, staked tomatoes)	Peppers, 11 ounces Flat Tomatoes 22 ounces Staked Tomatoes 14.6 ozs	Apply as an in-furrow spray to the open "V" trench, just prior to planting. When cultivating, set plows as flat as possible to avoid getting untreated soil against stems of plants.
COTTON	Damping Off (Rhizoctonia solani)	1 1/3 to 2 3/4 pounds / acre (40 inch spacings) Apply at least 15 gals. of water.	1.6 to 3.4 ounces	Apply specified dosage as directed in-furrow spray to the seed and surrounding soil at planting time. Do not allow the feeding or grazing of cotton bolls by livestock.
PEANUTS	Southern stem and root rot (Sclerotium rolfsii)	30 inch row spacing 13 1/3 pounds / acre. Apply in 8 to 10 gallons of water	14.7 ounces	PRE-PLANT SOIL MIX: Apply specified dosage as a spray in an 8 to 12 inch band centered on the row and incorporated to a depth of 2 to 4 inches. Application may be made simultaneously with planting using suitable application equipment.
				AT-PEGGING BAND: 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 sweeps. Do not move any untreated soil into the area. (if necessary remove inside sweep).
		4 1/3 pounds / acre	4.8 ounces	AT-CULTIVATION: Apply specified dosage at cultivation. Do not apply more than 3 times per crop season. Attach two spray nozzles per row of inside cultivator sweeps (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.
	Note: Do not exceed 10 lbs. actual PCNB per acre in any one season, regardless of application methods used. Do not apply within 45 days of harvest. Do not feed treated vines to livestock. Do not allow chopping down of peanuts.			
BEANS	Root and Stem Rot (Rhizoctonia solani)	1 1/3 to 2 pounds / acre Apply in 8 to 10 gallons of water (36 inch row spacing for bush type beans. 62 inch row spacing for pole beans)	Bush Beans 1.4 to 2.2 ozs Pole Beans 2.5 to 3.8 ozs	Apply as directed spray in the seed furrow and to the covering soil at planting time.
BEANS*** (Snap & Dry)	White Mold (Sclerotinia sclerotium)	spacing as above 2 1/4 pounds / acre Apply in 8 to 10 gallons of water	Bush Beans; 3 ounces Pole Beans; 5.2 ounces	Apply as an 8 inch band centered on the row at 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.

ROTATION RESTRICTION: Do not plant root crops in PCNB treated fields within 12 months of broadcast and banding application unless PCNB is registered for use on those crops.

GENERAL INFORMATION

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. (441WPSSP.PM4/12-07-93)

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NET WEIGHT 50 POUNDS

AMVAC CHEMICAL CORPORATION

4100 EAST WASHINGTON BLVD. - LOS ANGELES, CA 90023 U.S.A.