

PM 21

5481-444

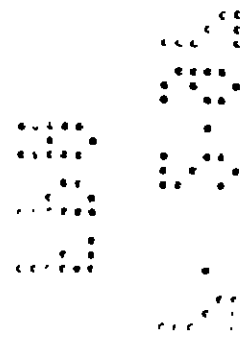
10/2/97

P9172

ACCEPTED

OCT 2 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 5481-444



with plenty of water. Get medical attention if irritation persists. IF ON SKIN: Remove contaminated clothing and wash affected area with soap and water. Get medical attention. IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated. Get medical attention.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Harmful if swallowed. Avoid inhaling dust. This material may cause skin irritation. Use with adequate ventilation. Do not contaminate feed or foodstuffs.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

And/or other handlers must wear long-sleeved shirt and long pants; waterproof shoes plus socks and a Dust/Mist filtering respirator (MSHA/NIOSH approval number 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

should: Wash hands before eating, drinking, chewing gum, using tobacco or using the restroom. 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. Do not apply directly to water, to areas where surface water is present, or to intertidal areas.

FOR ORNAMENTALS

PCNB 10G is a contact and preventive fungicide recommended for the control of certain soil borne diseases of turf and ornamentals. Mix this product with the soil and water in as a 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. When a rate range is given, use the lower rate for a preventive program under low disease pressure conditions or on lighter soil (sand, sandy loam, loamy sand). Use the higher rate for curative programs under high disease pressure conditions or on heavier soils (silt, clay loam).

Diseases Controlled

- Root/Stem rot, Damping off - *Rhizoctonia spp.*; *Pellicularia filamentosa*
- Neck dry rot - *Stromatinia gladioli*
- Bulb & Stem rot - *Sclerotinia rolfii*
- Crown rot - *Pellicularia rolfii*
- Black rot - *Sclerotinia sclerotiorum*
- Bulb dry rot - *Sclerotium gladioli*
- Petal blight - *Ovulinia azaleae*
- Flower blight - *Sclerotium camelliae*
- Needle blight - *Dothistroma pini*

NURSERY AND GREENHOUSE

Growing media mix: **Mix 1.0 to 1.5 lbs. PCNB 10G per cubic yard of media in a suitable mixer/blender. Media ingredients should be dry enough and free of large lumps to prevent agglomeration. Blend mix thoroughly to insure uniform distribution of PCNB 10G throughout the mixture. For seeding or transplanting of young seedlings or plugs use the lower rate in media. For old plants or nursery stock use the higher rate.

Group	Disease	Application Rate and Method
Foliage plants, such as: Anemone, Ageratum, Aphelandra, Begonia, Calceolaria, Canna, Clivia, Dieffenbachia, Dracaena, Ficus, Fittonia, Gynura, Hoya, Maranta, Palms, Peperomia, Pothos, Schefflera, Schlumbergera, Spathephilum, Symplocium, Tradescantia & similar foliage plants	Root/Stem Rot, Damping Off (<i>Rhizoctonia spp.</i> , <i>Pellicularia filamentosa</i>)	Broadcast: Apply 15 lbs./1,000 sq. ft. of bed or bench area and thoroughly mix into the top 2 inches. One repeat application can be made 4-6 weeks after if necessary.
Cacti: Dieffenbachia, Dracaena, Ficus, Fittonia, Gynura, Hoya, Maranta, Palms, Peperomia, Pothos, Schefflera, Schlumbergera, Spathephilum, Symplocium, Tradescantia & similar foliage plants	Stem Rot (<i>Sclerotinia sclerotiorum</i>)	Broadcast: Apply 20 lbs of PCNB 10G/1000 sq. ft. one week prior to planting. Spread evenly on the soil surface and thoroughly mix into the soil to a depth of 4 inches.
Ornamental Bedding & Flowering Plants: Abutilon, African violet, Begonias, Carnations, Chrysanthemums, Dahlias, Delphinium, Geranium, Marigold, Pansy, Petunia, Pointsettia, Portulaca, Salvia, Vinca, Zinnia, & similar plants.	Root/Stem rot, Damping Off (<i>Rhizoctonia solani</i> , <i>Pellicularia filamentosa</i> , <i>Sclerotinia sclerotiorum</i>)	Broadcast: Apply 15 lbs. of PCNB 10G per 1,000 sq. ft. of bed or bench area and thoroughly mix into the soil to a depth of 2 inches.
Herbaceous and Woody Plants such as: Azalea, Boxwood, English Ivy, Holly, Juniper, Kalanchoe, Pine, Rhododendron & similar plants.	Stem Rot (<i>Sclerotinia sclerotiorum</i>)	Broadcast: Apply 20 lbs. of PCNB 10G per 1,000 sq. ft. of bed or bench area and thoroughly mix into the soil to a depth of 4 inches.

ORNAMENTAL CROPS

How to apply: Apply the following amounts of PCNB 10G and thoroughly incorporate into the top several inches of soil before planting to give uniform ground coverage. Incorporate the granules to a depth of soil as indicated.

Bulb Crops such as: Gladiolus, Hyacinths, Iris, Lilies (Asiatic, Easter, Oriental), Narcissus, Tulips	Root Rot (<i>Rhizoctonia spp.</i>) Crown Rot (<i>Pellicularia rolfii</i>) Black Rot (<i>Sclerotinia sclerotiorum</i>) Bulb Rot / Stem Rot (<i>Sclerotium rolfii</i>) Neck or Bulb Dry Rot (<i>Stromatinia gladioli</i> or <i>Sclerotinia gladioli</i>)	As A Pre-Plant Broadcast Incorporation Treatment: Apply 20 to 35 lbs. per 1,000 sq. ft. Spread evenly on the soil surface and thoroughly incorporate to a depth of 6 to 7 inches. Use the lower rate for light soils and the higher rate for heavy soil and black rot control. Apply 20 to 35 lbs. per 1,000 sq. ft. Spread evenly to the soil surface and thoroughly mix into a depth of 2 to 3 inches of soil by digging or roto-tilling. Apply 15 to 25 lbs. per 1,000 sq. ft. evenly at planting time to soil surface and thoroughly incorporate to a depth of 4 to 6 inches by digging or roto-tilling. Bulbs may be planted immediately after granules are incorporated.
Stem/Root Rot: Begonia, Calceolaria, Canna, Clivia, Dieffenbachia, Dracaena, Ficus, Fittonia, Gynura, Hoya, Maranta, Palms, Peperomia, Pothos, Schefflera, Schlumbergera, Spathephilum, Symplocium, Tradescantia & similar foliage plants.	Stem/Root Rot (<i>Rhizoctonia spp.</i>)	Apply 20 lbs/1,000 sq. ft. prior to planting. Spread evenly on the soil surface and thoroughly incorporate to a depth of 4 inches.
Established plants: Azalea, Camellia	Petal blight (<i>Ovulinia azaleae</i>) Flower blight (<i>Sclerotinia camelliae</i>)	Use 3.5 lbs./1,000 sq. ft. Mix granules into soil to give uniform coverage. Apply 1 1/2" water / acre by irrigation prior to planting. Seed may be planted immediately after irrigation or within one week of this date.

ORNAMENTAL VEGETABLE BEDDING PLANTS (Container Grown)

Used in row planting: Broccoli, Cabbage, Cauliflower, Peppers, Tomatoes	Root / Stem Rot, Damping Off (<i>Rhizoctonia solani</i> , <i>Pellicularia filamentosa</i>)	As A Band Treatment: Apply 80 lbs. per 14,500 linear feet of row in a 12 inch band, centered on the row, at planting time. Follow with three additional applications at the same rate at 15 day intervals. Use 7.5 lbs. per 150 sq. ft. Apply evenly over the soil beneath bushes and in the plant bed. Water immediately. Begin application prior to opening of buds, and repeat every 3 to 4 weeks during bloom season.
Used in row planting: Broccoli, Cabbage, Cauliflower, Peppers, Tomatoes	Root / Stem Rot, Damping Off (<i>Rhizoctonia solani</i> , <i>Pellicularia filamentosa</i>)	Growing media mix: Mix 1.0 to 1.5 lbs. per cubic yard of media. Ingredients should be free of large lumps and dry enough to prevent agglomeration. Blend thoroughly to insure uniform distribution throughout the mixture. Use the lower rate of mixtures at time of seeding or transplanting of young seedlings or plugs. Use the higher rate for older plants.

icides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: long sleeved shirt and long pants, waterproof gloves and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

These requirements apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or in greenhouses. Do not allow children or pets on treated areas until granules are washed to the soil surface.

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. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **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.

HOW TO APPLY

For over-all application to NURSERY and TURFGRASS areas use an appropriate "drop" or "Cyclone" type granule spreader. For the proper soil placement of the granules for the protection of ORNAMENTAL ROW CROPS use a specialized type granule spreader such as "Gandy". For proper granule application refer to your spreader "Operational Manual". Other uses on this label recommend the pre-mixing of PCNB 10G with a "growing medium" or "soil" in a suitable mixer/blender prior to the placement of the mixture in GREENHOUSE BENCHES or PLANT CONTAINERS.

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, industrial and recreational areas where fine turf is under a maintenance program.

Diseases Controlled

- Brown Patch - *Rhizoctonia solani*
- Dollar Spot - *Sclerotinia homoeocarpa*
- Leaf Spot/Melting Out - Drechslera spp.
- Gray Snow Mold - Typhula spp.
- Pink Snow Mold - Microdochium nivale

For best results use 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 and comments as listed below for control of turfgrass diseases. Apply high rate when disease is severe and use low rate when disease pressure is light.

Disease/Host	Amt./ 1,000 Sq.Ft.	How and When to Apply
Brown Patch (<i>Rhizoctonia solani</i>) St. Augustine, Bermudagrass & similar warm climate grasses.	7 1/2 lbs.	Apply at first sign of disease. If it is severe or reappears, retreat 3 to 4 weeks later. Lightly sprinkle with water in treated area to wash granules to soil level.
Dichondra Bluegrass, Rye, Fescue, Bent and similar cool climate grasses	7 1/2 lbs. 2 to 2 1/2 lbs.	Treat as above. Apply at first sign of disease. Repeat every 7 to 10 days during warm damp weather. To control existing infections, apply at the higher rate as soon as symptoms appear.
All Turf Grass Species Leaf Spot/Melting Out (<i>Drechslera spp.</i>) Dollar Spot* (<i>Sclerotinia homoeocarpa</i>) *Do not use in California	5 to 7 1/2 lbs.	For preventive, apply 5 lbs. rate in Spring or Fall each year. If disease is present apply the 7 1/2 lbs. rate as soon as possible. If disease is severe or reappears, retreat area 3 to 4 weeks later.
Cool Climate Grasses Gray Snow Mold (<i>Typhula spp.</i>) Pink Snow Mold (<i>Microdochium nivale</i>)	5 to 10 lbs.	Make 1 application prior to 1st snow fall or when temperature remains below 60°F and extended wet conditions are expected. In the absence of snowcover, applications of 5 to 10 lbs. can be applied at 4-6 week intervals to maintain control when disease pressure is severe.

NOTE: PCNB 10G must be moved into the soil thatch layer to be effective. Applications must be followed by 1/4 to 1/2 inch of rainfall or irrigation prior to snow cover to insure optimum results. Do not graze treated areas or feed grass clippings to livestock. Under certain conditions, a temporary discoloration of the grass occasionally may occur. This causes no harm and will disappear in a short time.

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 reasonable experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and plants, and upon reports of field experience. Testing has not been performed on all varieties of 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 implies, 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 otherwise shall be limited, at Amvac's option, to replacement of, or repayment of the purchase price for, the quantity of product with respect to which damages are claimed. In no event shall Amvac or Seller be liable for special, indirect, or consequential damages resulting from the use or handling of this product. (444-new7, pm503-21-97 vers. corr'd by epa tir 06-17-97 comments/this corr'd. vers. 06-26-97)

FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY
TRANSPORTATION: CHEMREC 1-800-424-9300
MEDICAL: HAZARD INFORMATION SERVICES (H.I.S.) 1-800-228-5635 Ext. 169

