

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

PCNB 10G TUFF & ORNA-
MENTAL SOIL FUNGICIDE

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Amvac Chemical Corp.
4100 East Washington Blvd.
Los Angeles, CA 90023

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA Section 3(c)(5) and sec. 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 5421-444".
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, this registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

Handwritten signature

4/29/95

TURF & ORNAMENTAL SOIL FUNGICIDE

FOR CONTROL OF SOIL-BORNE DISEASES ON TURFGRASS AND ORNAMENTALS

ACTIVE INGREDIENT:
 Pentachloronitrobenzene(PCNB) - - 10%
 INERT INGREDIENTS: - - - - - 90%
 TOTAL 100%

KEEP OUT OF REACH OF CHILDREN
CAUTION

EPA REG. NO. 5481-

EPA EST NO. 5481-CA-1

"PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente"
 SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

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 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 spray mist. This material may cause skin irritation. Wash hands and face after using and before eating or smoking. Avoid contact with eyes. Wear the following protective clothing during mixing/loading operations (An approved respirator for professional applicators only), long sleeved shirt, long pants, socks and shoes. Use with adequate ventilation. Do not contaminate feed or foodstuffs.

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 below the mean high water mark. Do not apply where run-off is likely to occur. 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 apply this product through any type of irrigation system. Slight agitation may be required to mix the material. Do not use treated seed for feed, food or oil purposes.

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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved procedures by State and local authorities.

FOR 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.

DISEASES CONTROLLED

Common Name	Fungal Name	Common Name	Fungal Name
Root and Stem Rot	Rhizoctonia spp.	Bull and Stem Rot	Sclerotinia rot
Bulb and Stem Rot	Beytia spp.	Flower Blight	Sclerotinia rot
Bulb Dry Rot	Sclerotinia gladioli	Crown Rot	Fusarium rot
Bulb Rot	Sclerotinia gladioli	Black Rot	Rhizoctonia rot

ESTABLISHED AZALEAS & CAMELIAS

For Azalea Petal Blight (*Oxylia Azalea*) on Azaleas and Camellia Flower Blight on Camellias use 7.5 lbs./150 sq.ft. Apply evenly over the soil beneath bushes and in the plant bed. Water in. Begin application prior to opening of buds and repeat every 3 to 4 weeks during bloom season.

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 (<i>Rhizoctonia solani</i>)	Leaf Spot (<i>Heterosporium</i> spp.)
Dollar Spot (<i>Sclerotinia homocarpa</i>)	Gray Snow Mold (<i>Typhula</i> spp.)
Pink Snow Mold (<i>Fusarium nivale</i>)	Do not use in California.

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.

NURSERY & GREENHOUSE

For Rhizoctonia control apply to soil surface and water in at time of seeding and/or transplanting

Tropical Foliage Plants

Alocas, Aphelandra, Dieffenbachia, Dracaena, Ficus, Filix, Gynura, Hoyas, Peperomia, Schefflera, Syngonium, Tradescantia and similar tropical foliage plants. Apply 15 or 1,000 sq.ft. of bed or bench area and thoroughly mix into the top 2 inches. One repeat application can be made 4 to 6 weeks later if necessary. Do not apply to Philodendron or Pilea since injury may occur.

Ornamental Bedding and Flowering Plants

For African Violets, Begonias, Carnations, Chrysanthemum, Dahlias, Geranium, Marigold, Petunia, Poinsettia, Portulaca, Salvia, Vinca, Zinnia and similar plants. Use 15 lbs. and apply to 1,000 sq.ft. of bed or bench area. Apply at seeding or transplanting time. Mix into the top 2 to 3 inches of soil surface.

Herbaceous and Woody Plants

Herbaceous Plants: Kalenchoe, Lily and similar plants. Woody Plants: Azalea, Boxwood, English Ivy, Holly, Juniper, Pine, Rhododendron and similar plants. Use 15 to 20 lbs. and apply to 1,000 sq.ft. of bed or bench area. Mix into the top 2 to 3 inches of soil.

FIELD GROWN ORNAMENTAL CROPS

HOW TO APPLY

Mix the following amounts of PCNB 10-G TURF & ORNAMENTAL into the top several inches of soil and water in before planting to give uniform ground coverage. Incorporate the granules to a 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, Hosta, Narcissus and Tulips apply 1,000 to 1,800 lbs. per acre (equiv. to 2 1/4 lbs. to 3 1/2 lbs. per 100 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 rot*) on Dutch Iris apply 1,000 to 1,500 lbs. per acre or 2 1/2 to 3 1/2 lbs./100 sq.ft. Apply prior to planting. Thoroughly incorporate to a depth of 2 to 3 inches.

For Neck or Bulb Dry Rot (*Stemelia* or *Sclerotinia gladioli*) on Gladiolus apply 1,200 lbs. per acre (equivalent to 2 3/4 lbs. per 100 sq.ft.) Apply prior to planting. Thoroughly incorporate to a depth of 4 to 6 inches. Bulbs may be planted immediately after granules are incorporated.

For Stem Rot (*Rhizoctonia*) on Camellia, Larkspur, Snapdragon and Sweet Pea apply 1,000 lbs. per acre or 2 1/4 lbs. per 100 sq.ft. Apply 1 week before planting. Thoroughly incorporate to a depth of 4 inches.

For Rhizoctonia Needle Blight on Southern Pine Seedlings use 36 lbs. per 1,000 sq. ft. Mix granules into soil to give uniform ground coverage. Apply 1 1/2 inch of water per acre by irrigation prior to planting. Seed may be planted immediately after irrigation or within one week of this date.

Disease/Host	Ampl / 1,000 Sq.Ft.	How and When to Apply
Brown Patch (<i>Rhizoctonia solani</i>) St. Augustine, Bermudagrass & similar warm season grasses.	7 1/2 lbs.	Apply once in Spring or Fall or when disease appears. If it is severe or reappears, retreat 3 to 4 weeks later. Lightly sprinkle the area to wash granules to soil level.
Dichondra Bluegrass, Rye, Fescue, Bent and similar cool season grasses.	5 - 7 1/2 lbs. 2 - 2 1/2 lbs.	Treat as above. Apply at 1st sign of disease. Repeat every 7-10 days during warm, dry weather.
Helminticium spp. Leaf Spot Dollar Spot (<i>Sclerotinia homocarpa</i>) *Do not use in California	5 - 7 1/2 lbs.	For preventative apply in Spring or Fall of each year. If disease is present apply 7 1/2 lb. 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>)	5 - 7 1/2 lbs.	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.

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, seller, and buyer, and buyer assumes the risk of any such use. (PC10GT&O.PM/01-20-82)

NURSERY & GREENHOUSE

For Rhizoctonia control apply to soil surface and water in at time of seeding and/or transplanting

Tropical Foliage Plants

Azalea, Aphelandra, Dieffenbachia, Dracaena, Ficus, Fittonia, Gynura, Hoya, Peperomia, Schefflera, Syngonium, Tradescantia and similar tropical foliage plants. Apply 15 or 1,000 sq.ft. of bed or bench area and thoroughly mix into the top 2 inches. One repeat application can be made 4 to 6 weeks later if necessary. Do not apply to Philodendron or Pilea since injury may occur.

Ornamental, Bedding and Flowering Plants

For African Violets, Begonias, Carnations, Chrysanthemum, Daisies, Geranium, Marigold, Petunia, Polecatilla, Portulaca, Salvia, Vinca, Zinnia and similar plants. Use 15 lbs. and apply to 1,000 sq.ft. of flat or bench area. Apply at seeding or transplanting time. Mix into the top 2 to 3 inches of soil surface.

Herbaceous and Woody Plants

Herbaceous Plants: Kalenchoe, Lily and similar plants. Woody Plants: Azalea, Boxwood, English Ivy, Holly, Juniper, Pine, Rhododendron and similar plants. Use 15 to 20 lbs. and apply to 1,000 sq.ft. of bed or bench area. Mix into the top 2 to 3 inches of soil.

FIELD GROWN ORNAMENTAL CROPS

HOW TO APPLY

Mix the following amounts of PCNB 10-G TURF & ORNAMENTAL into the top several inches of soil and water in before planting to give uniform ground coverage. Incorporate the granules to a 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, Hosta, Narcissus and Tulips apply 1,000 to 1,500 lbs. per acre (equiv. to 2 1/4 lbs. to 3 1/2 lbs. per 100 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 rot) on Dutch Iris apply 1,000 to 1,500 lbs. per acre or 2 1/2 to 3 1/2 lbs./100 sq.ft. Apply prior to planting. Thoroughly incorporate to a depth of 2 to 3 inches.

For Neck or Bulb Dry Rot (Stromatinia or Sclerotinia gladioli) on Gladiolus apply 1,200 lbs. per acre (equivalent to 2 3/4 lbs. per 100 sq.ft.) Apply prior to planting. Thoroughly incorporate to a depth of 4 to 6 inches. Bulbs may be planted immediately after granules are incorporated.

For Stem Rot (Rhizoctonia) on Calendula, Larkspur, Snapdragon and Sweet Pea apply 1,000 lbs. per acre or 2 1/4 lbs. per 100 sq.ft. Apply 1 week before planting. Thoroughly incorporate to a depth of 4 inches.

For Rhizoctonia Needle Blight on Southern Pine Seedlings use 38 lbs. per 1,000 sq. ft. Mix granules into soil to give uniform ground coverage. Apply 1 1/2 inch of water per acre 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 42 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 rot) on Dutch Iris use 3 3/4 lbs. 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, Hosta, Narcissus and Tulips apply 60 lbs. per 14,500 sq.ft. of linear row in a 12 inch band centered on the row, at planting time. Follow this treatment with 3 additional band applications at 15 day intervals. Use lower rate for lighter soils and higher rate for heavier soils. For Black Rot control, use high rate.

recreational areas where fine turf is under a maintenance program.

DISEASES CONTROLLED

Brown Patch (Rhizoctonia solani) Leaf Spot (Helminthosporium spp.)
Dollar Spot (Sclerotinia homocarpa) Gray Snow Mold (Typhula spp.)
Pink Snow Mold (Fusarium nivale) Do not use in California.

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.

Disease/Foil	Rate/1,000 Sq.Ft.	How and When to Apply
Brown Patch (Rhizoctonia solani) St. Augustine, Bermudagrass & similar warm season grasses.	7 1/2 lbs.	Apply once in Spring or Fall or when disease appears. If it is severe or reappears, retreat 3 to 4 weeks later. Lightly sprinkle the area to wash granules to soil level.
Dichondra	5 - 7 1/2 lbs.	Treat as above.
Bluegrass, Rye, Fescue, Bent and similar cool season grasses.	2 - 2 1/2 lbs.	Apply at 1st sign of disease. Repeat every 7-10 days during warm/dry weather.
Helminthosporium spp.* Leaf Spot Dollar Spot* (Sclerotinia homocarpa) *Do not use in California	5 - 7 1/2 lbs.	For preventative apply in Spring or Fall of each year. If disease is present apply 7 1/2 lb. rate as soon as possible. If disease is severe or reappears retreat area 3 to 4 weeks later.
Gray Snow Mold (Typhula spp.) Pink Snow Mold (Fusarium nivale)	5 - 7 1/2 lbs.	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 dieback of the grass occasionally may occur. This causes no harm and will disappear in a short time.

NOTICE: This product conforms to its chemical description and is reasonably fit for the purpose stated on the label, when used in accordance with directions under normal conditions of use. Manufacturer is not responsible for 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. (PC10GT&O PMA/01-20-92)

For Medical and/or Transportation Emergencies
call 24 hours
AMVAC CHEMICAL COMPANY 213-264-3910
CHEMTREC 1-800-424-9300

NET WEIGHT 30; (50) POUNDS



ACCEPTED
with COMMENTS
to EPA Letter Dated:

APR 29 1993

AMVAC CHEMICAL CORPORATION

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

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