

5481-211

01/27/2000

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PCNB 10% GRANULES SOIL FUNGICIDE

FOR CONTROL OF SOIL-BORNE DISEASES
AS LISTED ON COTTON - BEANS -
CRUCIFERS - PEANUTS - POTATOES -
LAWNS & ORNAMENTAL TURF AND
ORNAMENTAL PLANTS

ACTIVE INGREDIENT:	
Pentachloronitrobenzene (PCNB)	10.0%
INERT INGREDIENTS:	90.0%
Total	100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT 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 immediately. **IF ON SKIN:** Remove contaminated clothing and wash affected area with soap and water. **IF INHALED:** Remove victim to fresh air. Apply artificial respiration if needed. Get medical attention.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid inhaling dust. This product may cause skin irritation. 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

This pesticide is toxic to fish and aquatic organisms. Cover or incorporate granules. Do not contaminate water when disposing of equipment washwaters. 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 directly adjacent to potable water supplies.

EPA Reg. No. 5481-211 EPA Est. No. 5905-IA-01

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

IMPORTANT: Where minimum and maximum rates are given, use the lower rate for crops in sandy soils and when conditions are unfavorable for the development of disease. Use the maximum rate for heavy organic soils and when conditions are favorable for the disease such as moist conditions with warm days and cool nights.

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, 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.

COTTON

For the control of Damping-off, Seed and Seedling Rots - APPLY AS AN IN-FURROW SOIL TREATMENT for Rhizoctonia solani. Apply 10 to 20 lbs. per acre as an in-furrow soil application which is equivalent to 1 to 2 lbs. per 1,300 linear feet of row based on a 40-inch spaced row. By using suitable equipment, apply over the seed and immediately cover with the seed at planting time. Do not allow livestock to graze or feed on cotton foliage in treated fields.

BEANS

Root and Stem Rot (Rhizoctonia solani) - APPLY AS AN IN-FURROW SOIL TREATMENT. Apply 10 to 15 lbs. per 14,500 linear feet of row for Bush Beans or per 8,340 square feet of row for Pole Beans. Apply over the seed at planting time in the furrow and immediately cover with soil utilizing appropriate application equipment. Do not feed treated vines to livestock



CRUCIFERS - CABBAGE, CAULIFLOWER, BRUSSELS SPROUTS AND BROCCOLI

Clubroot (*Plasmodiophora brassicae*): APPLY AS A PRE-TRANSPLANTING ROW TREATMENT - Apply 200 lbs. per 13,100 feet of row for Cabbage, Broccoli and Brussels Sprouts or 10,900 linear feet of row for Cauliflower in a 12 to 15-inch band. Apply and roto-till the granules to a depth of 4 to 6 inches just before transplanting. TO APPLY AS A BROADCAST TREATMENT - Apply 300 lbs. per acre to the soil surface prior to transplanting, then disc the granules into the soil 4 to 6 inches deep. Thorough mixing with the soil will give best disease control. CAULIFLOWER - For control of Wire Stem or Black Rot (*Corticium solani*): APPLY AS A BAND ROW TREATMENT - Apply 110 to 150 lbs. per 10,900 linear feet of row in an 8-inch wide band centered on the row immediately before planting. For small areas, use 12 lbs. per 1,000 sq. ft. Mix granules into soil before planting to a depth of 2 inches.

PEANUTS

For Southern Blight (*Sclerotium rolfsii*): AS A SURFACE BAND TREATMENT - Apply 100 lbs. per 12,400 linear feet of row in an 8 to 12-inch wide band centered on the row at pegging time. AS A PRE-PLANT SOIL TREATMENT - Apply 100 lbs. per 12,400 linear feet of row in an 8 to 12-inch band centered on the row. Mix to a depth of 2 to 4 inches. This should be done simultaneously with planting using appropriate equipment. AS A SOIL MIX DURING CULTIVATION - It may be applied in three split applications when cultivating the crop at the rate of 33 lbs. per 12,400 square feet per treatment by attaching two delivery tubes per row ahead of inside cultivator sweeps (one on each side) and adjusted so as to treat a total band of 12-inches wide 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 the application methods used. Do not feed treated vines to livestock. Do not allow hogging down of peanuts.

POTATOES*

Stem Canker and Black Scurf (*Rhizoctonia solani*): AS AN IN-FURROW TREATMENT - Apply in-furrow as an 8.5-inch band at a rate of 1.65 lbs per 1,000 linear feet of row. This is equivalent to an application rate of 25 lbs per field acre assuming a 34-inch row spacing. Direct the product into the furrow over the seed and cover as part of the hilling operation during planting. It is best to apply when the soil is slightly moist. Do not harvest within 45 days of application.

**Not for use in California*

IN LAWNS AND ORNAMENTAL TURF

For Brown Patch (*Rhizoctonia solani*)

Southern Grasses - For St. Augustine, Bermuda, etc. and Dichondra - Apply 7½ lbs. per 1,000 square feet in the fall or the spring at the first sign of infection. Lightly sprinkle the area to wash the granules to soil level. An additional application in 3 to 4 weeks may be needed for continued control if heavy rainfall or flooding occurs after this treatment.

Northern Grasses - For Bluegrass, Fescue, Rye, Bent, etc. Apply 2 to 2½ lbs. per 1,000 square feet when disease first appears and repeat at 7 to 10-day intervals during warm, damp weather. Lightly sprinkle the area to wash granules to soil level. During lush growing periods, a temporary discoloration of the grass may occur; however, this is not harmful and will disappear in a few days.

Helminthosporium Leaf Spot*

Apply at the rate of 5 to 7½ lbs. per 1,000 square feet. Preventive applications should be made in the spring or fall of each year. For control of existing infections, apply at the higher rate as soon as symptoms are first noted. Following applications, the treated area should be lightly watered to insure movement through the grass to soil level. If the treated area is subjected to unusually heavy rainfall, or flooded, or if the disease is severe or reappears, the area should be retreated in 3 to 4 weeks

**Not for use in California*

Snow Mold (*Typhula incarnata*, *Fusarium nivale*)

Apply at the rate of 5 to 7½ lbs. per 1,000 square feet using a granular lawn spreader or comparable equipment. Application should be made prior to first snowfall. Do not graze treated areas or feed clippings to livestock.

ORNAMENTAL AND BEDDING PLANTS

For African Violets, Begonias, Carnations, Chrysanthemums, Poinsettias, Snapdragons and similar bedding plants: Treat bench soil prior to planting with 15 lbs granules per 1,000 square feet for control of Rhizoctonia Stem Rot. Thoroughly work into the top 2 inches of soil.

BULBS

For Tulips, Narcissus, Hyacinth, and Bulbous Iris in production: Apply 1,000 to 2,000 lbs. per acre to the soil as a pre-plant broadcast application for the control of Crown Rot and Black Rot (equivalent to 2.25 to 4.5 lbs. per 100 square feet). Mix with the top 6 to 7 inches of soil with appropriate equipment. Use the higher rate in heavy, organic soils and especially for the control of Black Rot.

CALENDULAS, LARKSPUR, SNAPDRAGON

For control of Sclerotinia and Stem Rot - Apply 1,000 lbs. per acre as a broadcast application one week before planting (equivalent to 2.25 lbs. per 100 square feet). Mix with soil to a depth of 4 inches.

DUTCH IRIS

For Bulb and Stem Rot caused by *Sclerotium rolfsii* disease. Make a PRE-PLANTING BROADCAST SOIL TREATMENT at the rate of 1,000 to 1,500 lbs. per acre, which is equivalent to 2.25 to 3.5 lbs. per 100 square feet. Mix the granules with the soil to a depth of 2 to 3 inches. FOR A ROW BAND TREATMENT - Apply 60 lbs. per 14,500 square feet of linear row in a 12-inch band centered on the row at planting time. Follow this treatment with three additional band applications at 15-day intervals.

EASTER LILY

(*Lilium Longiflorum Eximium*): For control of Rhizoctonia Root Rot - Apply AS A BROADCAST SOIL TREATMENT at the rate of 1,000 lbs. on light, sandy soils and 2,000 lbs. per acre on heavy, organic soils. Follow with a good double discing to mix granules with the soil to the depth of 6 to 7 inches

GLADIOLUS

For Neck Rot or Bulb Dry Rot caused by Stromatinia or Sclerotium gladioli - Apply 1,200 lbs. per acre (equivalent to 2¾ lbs. per 100 square feet) AS A BROADCAST SOIL TREATMENT. Thoroughly mix with soil to depth of 4 to 6 inches. Corms may be planted immediately.

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.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conform to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

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