

PM 25 100-713 15 1/3 7

Ms. Karen S. Stumpf  
Ciba-Geigy Corp.  
P.O. Box 18300  
Greensboro, NC 27419-8300

Dear Ms. Stumpf:

Subject: RIDOMIL PC GRANULAR FUNGICIDE  
EPA Reg. No. 100-713  
Your submission dated Aug. 17, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

We agree with your conclusion that onion crop rotation is "0" days. Please disregard our comment that it be "12 months" as stated in our letter of July 1, 1992.

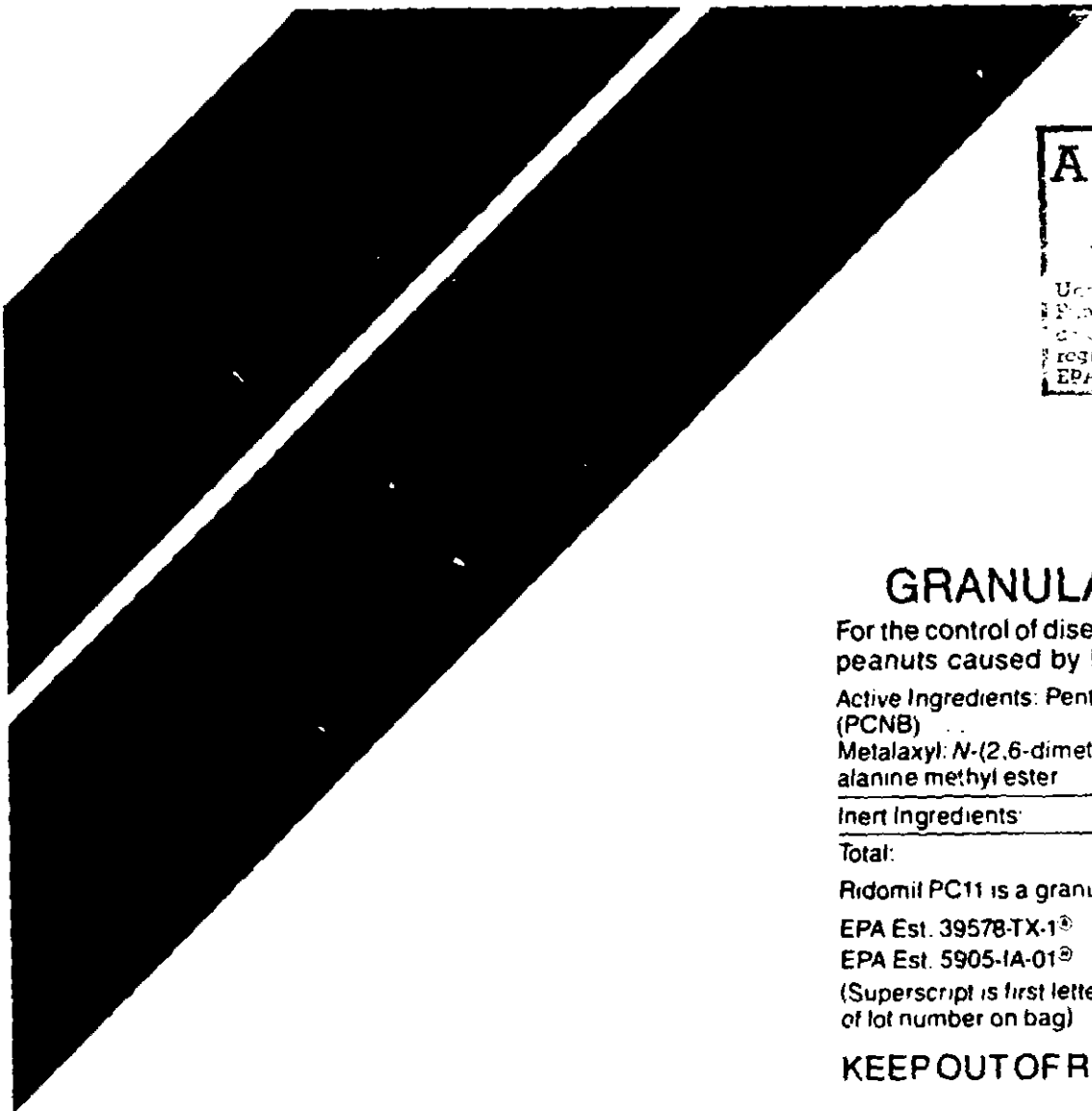
Sincerely yours,

Robert J. Taylor  
Product Manager 25  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

Enclosure  
RD:RTaylor:eja:9/1/92:3056800

CIBA-GEIGY

# Ridomil PC<sup>®</sup>



**ACCEPTED**  
100-713  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 100-713

50 Pounds  
Net Weight

## GRANULAR FUNGICIDE

For the control of diseases of beans, cotton, and  
peanuts caused by Pythium and Rhizoctonia

Active Ingredients: Pentachloronitrobenzene (PCNB)	10.0%
Metalaxyl: N-(2,6-dimethylphenyl)-N-(methoxyacetyl) alanine methyl ester	1.0%
Inert Ingredients:	89.0%
Total:	100.0%

Ridomil PC11 is a granular fungicide

EPA Est. 39578-TX-1<sup>®</sup>

EPA Reg. No. 100-713

EPA Est. 5905-IA-01<sup>®</sup>

Product ID.

(Superscript is first letter  
of lot number on bag)

**57990**

KEEP OUT OF REACH OF CHILDREN.

**CAUTION**

See additional precautionary statements and direc-  
tions for use on back of bag

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## Ridomil PC®

### DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

**IMPORTANT:** Read the entire **Directions for Use** and the **Conditions of Sale and Warranty** before using this product. If terms are not acceptable, return the unopened product container at once.

#### Conditions of Sale and Warranty

The **Directions for Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

CIBA-GEIGY warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use** subject to the inherent risks referred to above. **CIBA-GEIGY makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CIBA-GEIGY or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product.** CIBA-GEIGY and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing **Conditions of Sale and Warranty**, which may be varied only by agreement in writing and signed by a duly authorized representative of CIBA-GEIGY

#### DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL OR CROP INJURY.**

#### General Information

Ridomil PC is a granular fungicide containing 1% metalaxyl, a systemic fungicide, and 10% PCNB (pentachloronitrobenzene). It provides control of damping-off and seed and seedling rot diseases caused by *Pythium* and *Rhizoctonia* in beans, cotton, and peanuts. Ridomil PC will also provide suppression of pod rot in peanuts caused by *Sclerotium rolfsii*.

**Note:** Metalaxyl is a systemic fungicide having a specific mode of action. Metalaxyl could be subject to development of resistant strains of fungi. Development of resistance cannot be predicted. Therefore, CIBA-GEIGY cannot assume liability for crop damage resulting from resistant strains of fungi. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance or ways to control any possible metalaxyl resistant strains of fungi which may occur.

#### Applicator Settings

It is important that the user calibrate each individual granular applicator before its use. The settings in the chart under the **Cotton** section below **SHOULD ONLY BE USED AS A STARTING POINT**. Even after calibration, it is best to check the actual application rate under your operating conditions. Application rates can vary due to changing moisture conditions, equipment wear, normal variation in product bulk density and particle size distribution.

**Calibration:** To calibrate a granular applicator, follow the procedure as outlined below:

1. Fill the hopper with Ridomil PC.
2. Attach a plastic bag to the spout opening.
3. Refer to the chart in the **Cotton** section of this label and adjust the setting on the applicator to match the desired rate per acre.
4. Measure off 1,000 linear feet and drive at the speed selected.
5. Weigh or measure the volume of each bag, change settings as needed to obtain the desired rate and repeat steps 2-5 until the setting delivers the correct number of ounces per 1,000 ft
6. Repeat steps 1-5 for each applicator box.

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**Conversions**

1. Time to cover 1,000 feet at:
  - 2 mph = 5 mins. 40 secs.
  - 3 mph = 3 mins. 54 secs.
  - 4 mph = 2 mins. 50 secs.
  - 5 mph = 2 mins. 16 secs.
  - 6 mph = 1 min. 57 secs.
2. Ounces (wt.) of granules to approximate ounces (volume):
  - 6 oz. wt. = 8 fl. oz. (1 level cup)

When calibrating granular applicators, follow the recommendations below:

1. To reduce granule flow variability, adjust orifice openings by moving the controls in one direction only, such as from the closed position to open.
2. Granule flow through an orifice is not always proportional to ground speed, so make calibration checks at the same speed at which you plant and maintain that ground speed as constantly as possible when planting.
3. Granular pesticide products vary considerably in size, density, and particle shape, so recalibrate applicators whenever you change brands and/or formulations. The same brand can even change from year to year.
4. Changing humidity and temperature during the day can change the flow rate of granules through the applicator's orifice. Recalibrate when conditions change and periodically readjust orifice settings to compensate.
5. Know the recommended rate. For band applications, the area actually is the area covered by the band, not total cropland area planted. Some row-crop recommendations are based on treating in-the-row and these rates generally are specified as amounts (ounces) or granules per certain row length (often 1,000 feet).
6. Calibrate frequently. There are several acceptable calibration methods. Learn one. Do the arithmetic first, then complete the material collection phase under field conditions.

Calculate the amount of Ridomil PC needed for band treatment as follows:

$$\frac{\text{Band Width in Inches}}{\text{Row Spacing in Inches}} \times \text{Broadcast Rate Per Acre} = \text{Band Rate Per Acre}$$

**Beans**

Ridomil PC will control damping-off and seed and seedling rots of dry and green beans (bush and pole types) caused by *Pythium* and *Rhizoctonia* when used at planting.

Apply ¾ lb. (12 oz.) of Ridomil PC/1,000 linear ft. of row at the time of planting. Adjust the application equipment so the granules are mixed with the soil surrounding the seed.

**Note:** To avoid possible illegal residues, do not allow the feeding of vines or grazing of foliage by livestock.

**Cotton**

Ridomil PC will control damping-off, seed and seedling rot diseases caused by *Pythium* spp. and *Rhizoctonia solani*.

For best results, use high quality seed and plant into a properly prepared seedbed.

Apply 7-10 lbs. of Ridomil PC/13,000 linear ft. of row (8.6-12.3 oz./1,000 linear ft.) at the time of planting. Adjust the application equipment so the granules are mixed with the soil surrounding the seed. See Chart 1 below for suggested applicator settings and the **General Information** section of this label for calibration instructions.

**Note:** To avoid possible illegal residues, do not allow the feeding or grazing of cotton foliage by livestock.

Chart 1: Cotton — Suggested Applicator Settings

Applicator Brand	Speed MPH	40" Rows In-Furrow Lbs./A			
		10	9	8	7
		Equivalent Oz./1,000 ft.			
		12.3	11.1	9.8	8.6
Gandy	4	28	26.1	25	23.5
	5	31	30	28	26.3
	6	34.5	32.5	30.5	29
Allis Chalmers 1979-1985 International Harvester 1980 and Before	4	2.4	2.1	1.9	1.6
	5	3	2.8	2.4	2.05
	6	3.6	3.2	2.9	2.5
Noble 1972 and Before	4	19	17	15	13
	5	23	21	19	17
	6	27	25	22	20
Noble (Remcor) 1973-Present White 5100 Series Deutz Allis 1985-Present	4	14	13	12 or 11	10
	5	17 or 16	15	14	13 or 12
	6	19	18	16	15 or 14
John Deere Metal Box	4	2/12	2/10	2/8	2/5
	5	2/18	2/15	2/12	2/9
	6	2/22	2/19	2/16	2/13
John Deere 7000 and 7100 Max-Emerge® Meter Scale 0...10...20	4	28	27	24	22
	5	31	30	28	26
	6	33	32	31	29
John Deere 7000 and 7100 Max-Emerge® Meter Scale 0...5...15	4	18	17	16	15
	5	21	20	18	17
	6	23	22	21	19
International Harvester 1981-1985 Case IH 1985-Present	4	3.1	2.9	2.6	2.35
	5	3.6	3.4	3.1	2.8
	6	4.5	4	3.55	3.2

### Peanuts

Ridomil PC applied at planting will provide control of seed and seedling rots of peanuts caused by *Pythium* and *Rhizoctonia*. Applications of Ridomil PC during early pegging will provide control of early pod rot caused by *Pythium* and *Rhizoctonia* and will provide suppression of *Sclerotium rolfsii* during early pegging. These treatments will not provide late season control of these diseases.

**Seed and Seedling Rots:** Apply 12.5-25 lbs. of Ridomil PC/14,520 linear ft. (36-inch row) in a 4-inch band at the time of planting and mix in the covering soil. Incorporate with mechanical equipment to a depth of 2-4 inches. For double-drilled or double-row plantings, apply 12.5-25 lbs /14,520 linear ft. in a 4-inch band centered on each drill or row. Use the higher rate in fields with a history of seedling disease problems or when weather conditions are favorable for infection and disease development.

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**Pod Rot:** Apply 50 to 100 lbs./14,520 linear ft. (36-inch row) at early pegging. For banded applications, adjust the equipment so the granules are distributed uniformly over the row(s) and in the pegging zone. Use the higher rate in fields with a history of pod rot problems.

**Sclerotium rolfsii:** When Ridomil PC is used for pod rot control, some suppression of *Sclerotium rolfsii* will be obtained. In areas where *Sclerotium rolfsii* is a problem, use other fungicides that are labeled for this disease. Use other products labeled for mid- and late-season control of southern blight/white mold infections.

**Notes:** To avoid possible illegal residues, (1) Do not allow the feeding or grazing of peanut foliage or harvest residues by livestock and (2) Do not apply more than 100 lbs. of Ridomil PC/14,520 linear ft. of row/season.

**Rotational Crops**

These crops represent those which may be planted (rotated to) according to the interval listed following an application of Ridomil PC to beans, cotton, or peanuts. Do not plant any crop not registered for use with metalaxyl in soil treated with this product for a period of 12 months. Do not plant root crops in fields treated with this product within 12 months of application.

Crop	Rotational Interval
Alfalfa, Almonds, Apples, Asparagus, Avocados	0 days
Beans (Dry and Snap), Blueberries, Broccoli	
Cabbage, Cauliflower, Citrus, Cotton, Cucurbit Vegetables	
Head Lettuce, Hops	
Legume Vegetables Other than Beans	
Onions	
Peanuts, Peppers, Pineapples	
Raspberries	
Soybeans, Spinach, Stone Fruits, Strawberries	
Tomatoes	
Walnuts	
Brussels Sprouts	12 months
Corn	
Garlic	
Root Crops	
Wheat	
All Other Crops Intended for Food or Feed	

## Storage and Disposal

**Pesticide**

Store in a dry place. Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Open dumping is prohibited. Wastes resulting from the use of this product are toxic. Improper disposal of unused pesticide is a violation of federal law. Pesticide that cannot be used according to label instructions must be disposed of according to federal, state or local procedures. For guidance in proper disposal methods, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

**Container Disposal**

Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke.

For minor spills, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire or other emergency, call 1-800-888-8372 day or night.

# Precautionary Statements

## Hazards to Humans and Domestic Animals

### CAUTION

Harmful if absorbed through the skin or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Protective clothing including gloves, long-sleeved shirt, long pants, socks and shoes should be worn during mixing/loading procedures.

### Statement of Practical Treatment

**If in eyes:** Flush eyes with plenty of water. Call a physician if irritation persists.

**If on skin:** Wash with plenty of soap and water. Get medical attention.

**If inhaled:** Move to fresh air.

### Environmental Hazards

This product is toxic to fish and aquatic organisms. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Cover or incorporate all granules. Do not contaminate water when disposing of equipment wash waters.

Ridomil PC® trademark of CIBA-GEIGY Corporation

Max-Emerge® trademark of John Deere Company

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Agricultural Division

CIBA-GEIGY Corporation

Greensboro, North Carolina 27419

CGA 106L1A

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