



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

JAN 25 1994

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OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 08/20/93 in Response to PR Notice 93-7
EPA Reg. No. 100-713
RIDOMIL PC GRANULAR FUNGICIDE

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. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (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 not been reviewed or 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:

Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



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

WPS

Ridomil PC®

Granular
Fungicide

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

50 Pounds
Net Weight

ACCEPTED
with COMMENTS
in EPA Letter Dated
JAN 25 1994
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
100-713

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 PC is a granular fungicide

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary
statements on back of bag.

See directions for use on back of bag.

EPA Est. 39578-TX-1^A

EPA Est. 5905-IA-1^H

Superscript is first letter of lot number on bag.

EPA Reg. No. 100-713

Product ID. 57990

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Ciba-Geigy

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and 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 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.

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

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) 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. Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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:

- Coveralls
- Waterproof gloves
- Shoes plus socks

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.

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) of 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 3/4 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

	-----4 MPH -----				----- 5 MPH -----				----- 6 MPH -----			
40" Rows In-Furrow Lbs./A	10	9	8	7	10	9	8	7	10	9	8	7
Eqv. Ozs./ 1,000 ft. Gandy	12.3 28	11.1 26.8	9.8 25	8.6 23.5	12.3 31	11.1 30	9.8 28	8.6 26.3	12.3 34.5	11.1 32.5	9.8 30.5	8.6 29
Allis Chalmers 1979-1985 Int'l Harvester 1980 & Before	2.4	2.1	1.9	1.6	3	2.8	2.4	2.05	3.6	3.2	2.9	2.5
Noble 1972 and Before	19	17	15	13	23	21	19	17	27	25	22	20
Noble (Remcor) 1973-Present White 5100 Series Deutz Allis 1985-Present	14	13	12 or 11	10	17 or 16	15	14	13 or 12	19	18	16	15 or 14
John Deere Metal Box	2/12	2/10	2/8	2/5	2/18	2/15	2/12	2/9	2/22	2/19	2/16	2/13
John Deere 7000 & 7100 Max-Emerge® Meter Scale 0--10--20	28	27	24	22	31	30	28	26	33	32	31	29
John Deere 7000 & 7100 Max-Emerge® Meter Scale 0--5--15	18	17	16	15	21	20	18	17	23	22	21	19
International Harvester 1981-1985 Case IH 1985- Present	3.1	2.9	2.6	2.35	3.6	3.4	3.1	2.8	4.5	4.0	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.

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.

Rotation 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.

Rotational Interval

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

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 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.

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.

Personal Protective Equipment (PPE):

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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.

Engineering Control Statements:

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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.

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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Ciba Plant Protection
Ciba-Geigy Corporation
Greensboro, NC 27419

CGA 106L1A 072

Initial Registration - AMVAC	
Registered	9/26/89
Adm. Amend. (peanuts primarily)	7/1/92
Revised	7/29/93
	(WPS)

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