

PM 21

100-742

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File



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

MAR 4 1994

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Ciba Plant Protection  
CIBA-GEIGY CORPORATION  
P. O. Box 18300  
Greensboro, NC 27419

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 09/10/93 in Response to PR Notice 93-7  
EPA Reg. No. 100-742  
PACER 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 Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

2911

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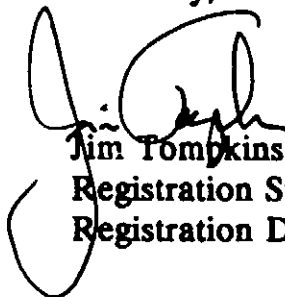
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

WPS

green-Pak®

Pace®

Fungicide

For control of certain diseases in turf

Active Ingredients:

Metalaxyl: N-(2,6-dimethylphenyl)-N-(methoxyacetyl) alanine methyl ester .....	7.0%
A coordination product of zinc ion and manganese ethylene bisdithiocarbamate .....	70.0%
in which the the ingredients are:	
Manganese <sup>++</sup> .....	14.0%
Zinc <sup>++</sup> .....	1.7%
Ethylene bisdithiocarbamate ion (C <sub>4</sub> H <sub>6</sub> N <sub>2</sub> S <sub>4</sub> ) .....	54.3%
<u>Inert Ingredients:</u>	23.0%
<b>Total:</b>	<b>100.0%</b>

Pace is a wettable powder

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See directions for use and additional precautionary statements on panel at right.

See directions for use on back of carton.

EPA Reg. No. 100-742

EPA Est. 10163-AZ-1

This outer protective carton contains Pace in an inner water soluble bag. Entire inner bag and contents dissolve in water. After opening outer carton, immediately dump entire unopened inner bag into the partially filled sprayer or mix tank. Do not handle the soluble bag or expose it to moisture, since this may cause rupturing.

Two Pounds  
Net Weight

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

MAR 4 1981

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

100-742

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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.

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Conditions of Sale and Warranty

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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.

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**DIRECTIONS FOR USE**

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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 24 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:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box 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 greenhouses.

**Do not enter treated areas without protective clothing until sprays have dried.**

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

General Information

Pace Fungicide, a fungicide that has both systemic and contact properties, controls Pythium blight and yellow tuft (downy mildew) in turfgrasses, and downy mildew in St. Augustinegrass. When used in a preventative program to control Pythium blight and yellow tuft, Pace will also provide control of brown patch, dollar spot and Helminthosporium-type diseases.

If this product is used on turf, no other product containing a different EBDC active ingredient may be used on the same turf during the same growing season.

**Note:** Research has shown that the ingredients in Pace can provide synergistic activity against Pythium blight. In addition research has demonstrated that when properly managed, the use of fungicides with different sites of action reduces the likelihood of resistance developing. As with many turf fungicides, however, the use of Pace could result in development of resistant strains of fungi. If resistance does develop, Ciba-Geigy cannot assume liability for resulting turf damage. If treatment is not effective following the use of Pace as recommended, a resistant strain of fungi may be present or the disease may have been misdiagnosed. Consideration should then be given to the prompt use of other types of suitable fungicides. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance in your particular crop and disease control situation.

### Mixing Instructions

Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Agitate thoroughly before and during application. Good bypass agitation is sufficient to keep Pace thoroughly mixed and in suspension. Flush spray tank thoroughly with water daily after use and dispose of pesticide rinsate by application to an already treated area.

Notes: (1) Soluble bags of Pace must be dissolved completely in water before any other tank mix partner, including micronutrients or other liquid or dry fertilizers are added to the spray solution. (2) Do not use with oils or adjuvants.

Pace Alone: Add 2/3 of the required amount of water to the spray or mixing tank. With the agitator running, drop the required number of unopened soluble bags of Pace into the tank. (One 2-lb. water-soluble bag of Pace will treat 5,000 sq. ft.) Continue agitation while adding the remainder of the water.

Pace + Tank Mixtures: For tank mix purposes, Pace is usually compatible with Banner®, Triumph®, Sprint®, Bayleton®, Daconil 2787®, D'z'n®, Fore®, Tersan LSR®, Tersan 1991® and Vorlan™. Add 2/3 of the required amount of water to the spray or mixing tank. With the agitator running, drop the required number of unopened soluble bags of Pace into the tank. Then add the desired amount of the selected tank mix partner(s) which are registered for use on turf.

If using Pace in a tank mixture, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the respective tank mix product label. No label dosage rate should be exceeded and the more restrictive of the labels regarding precautions and limitations should be followed. This product cannot be mixed with any product containing a label prohibition against such mixing. Tank mixtures are permitted only in those states where the tank mix partner is registered.

### Application Instructions

Note: Do not apply this product through any type of irrigation system.

Do not make applications when weather conditions favor drift from target area. Avoid spray overlap as turf injury may result.

### Turf

For use on golf courses, sod farms, industrial or municipal turf areas and professional application to residential lawns. NOT

FOR USE BY HOMEOWNERS.

Pythium blight and yellow tuft: Apply Pace as a preventative treatment using one 2 lb. bag to treat 5,000 sq. ft. in 6-10 gals. of water. During periods favorable for disease development, retreat at 7-14 day intervals. For maintenance treatments during periods of cooler weather, treatments can be extended to 21 days.

Under low to moderate disease pressure, Pace applied as a preventative treatment on a 7-14 day interval will provide control of brown patch, dollar spot and Helminthosporium-type pathogens.

Notes: (1) Do not graze treated areas. (2) Do not feed clippings to livestock. (3) Do not use grasses intended for grazing, such as range or pasture grasses. (4) Do not use for grasses grown for seed. (5) Do not plant any crop which is not registered for use with metalaxyl in metalaxyl-treated soil for a period of 12 months.

Storage and Disposal

Storage - Store in a cool, dry place. Do not store this product under wet conditions.

Pesticide Disposal - 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 may be disposed of on-site or at an approved waste disposal facility.

Container Disposal - Do not reuse outer carton. Dispose of empty outer carton 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

Causes eye irritation. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing vapors or spray mist.

Statement of Practical Treatment

If swallowed: Call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

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

If inhaled: Remove victim to fresh air. Get medical attention.

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

Note to Physician

If Pace MZ is ingested, induce vomiting or lavage stomach.

**Personal Protective Equipment:**

**Handlers who may be exposed to the dilute through application or other tasks must wear:**

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

**Handlers who may be exposed to the concentrate through mixing, loading, application, or other tasks must wear:**

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves

- Shoes plus socks
- Protective eyewear
- Chemical-resistant apron when mixing or loading

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:**

Human flaggers must be in enclosed cabs.

When handlers use closed systems, enclosed cabs, or aircraft 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.
- 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 product is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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 contaminate water when disposing of equipment wash waters.

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Bayleton® trademark of Mobay Chemical Corporation

Daconil 2787® trademark of ISK Biotech

Fore® trademark of Rohm and Haas

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