

P1121

352-370

File 1/89



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

FEB 24 1994

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

RICK CARVER  
E.I. DU PONT DE NEMOURS AND CO., INC.  
BARLEY MILL PLAZA, WALKER'S MILL  
WILMINGTON, DE 19880

Subject: Label Amendment Submission of 9/17/93 Response to PR Notice 93-7  
EPA Reg. No. 352-385  
BENLATE OD

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 subject to the comments reflected on the enclosed sheet. 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:

By the next label printing make all the specified changes to your labeling. 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.

1084



Recycled/Recyclable  
Printed with Soy/Canola ink on paper that  
contains at least 50% recycled fiber

284

Page 2

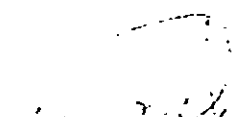
Submit the final printed labeling via the U.S. Postal Service to:

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

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# BENLATE® OD

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## FUNGICIDE

### OIL-DISPERSIBLE POWDER

#### FOR USE ON BANANAS AND PLANTAINS

##### ACTIVE INGREDIENT

Benomyl [Methyl 1-(butylcarbamoyl)-2-benzimidazolecarbamate] ..... 50%

INERT INGREDIENTS ..... 50%

EPA Reg. No. 352-385



EPA Est. 352-WV-1; 42761-MS-1

Superscript used is first letter of batch number

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

#### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS

**CAUTION! MAY IRRITATE EYES, NOSE, THROAT AND SKIN.**

Avoid breathing dust or spray mist. Avoid contact with skin, eyes and clothing.

This product may cause a temporary allergic skin reaction in a few susceptible persons. This condition should be treated as an allergic dermatitis. There is not evidence of after effects or permanent injury. If sensitivity occurs, protective clothing should be worn during periods of exposure ~~such as during application or when contacting treated foliage.~~

**First Aid:** In case of contact, flush skin or eyes with plenty of water; for eyes, get medical attention.

For medical emergencies involving this product, call toll free 1-800-441-3637.

#### PERSONAL PROTECTIVE EQUIPMENT

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

- Long-sleeved shirt and long pants.
- Waterproof gloves.
- Chemical-resistant footwear plus socks.
- Chemical-resistant apron when cleaning equipment.

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

- Long-sleeved shirt and long pants.
- Waterproof gloves.
- Chemical-resistant footwear plus socks.
- Chemical-resistant apron when mixing or loading.

For exposures in enclosed areas, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

For exposures outdoors, 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.

#### 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 part 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

The enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)]. The handler PPE requirements may be reduced or modified as specified in the WPS.

PRECAUTIONARY STATEMENTS (continued on next page)

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

FEB 2 1994

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

352-385

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### **STORAGE AND DISPOSAL**

**STORAGE:** Store product in original container only, away from other pesticides, fertilizer, food, or feed.

**DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility

Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of in the same manner.

### **NOTICE OF WARRANTY**

Du Pont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the 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 Du Pont. In no case shall Du Pont be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. DU PONT MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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352-385

File 1 of 5



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**PRECAUTIONARY STATEMENTS** (continued on next page)ACCEPTED  
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4 19 91

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

352-385

4-35

**PRECAUTIONARY STATEMENTS (continued)**

**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. Do not apply directly to water. Do not apply where runoff is likely to occur. Drift and runoff from treated areas may be hazardous to fish in adjacent areas. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from areas treated.

**PHYSICAL OR CHEMICAL HAZARDS**

Keep away from fire or sparks.

**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 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.
- Waterproof gloves.
- Chemical-resistant footwear plus socks.

"Benlate" OD should be used only in accordance with recommendations on this label, or in separate published Du Pont recommendations available through local dealers.

DuPont will not be responsible for losses or damages resulting from use of this product in any manner not specifically recommended by Du Pont. User assumes all risks associated with such nonrecommended use.

Du Pont "Benlate" OD is a systemic fungicide recommended for use as a foliar spray on bananas and plantains for the control of Sigatoka diseases. If treatment as recommended is not effective and monitoring indicates the presence of benomyl resistant strains, then neither "Benlate" OD nor any other benzimidazole or thiophanate type fungicide is likely to effectively control the disease. Other fungicides should be used until resistance declines. Consult your Du Pont representative for a recommendation in cases where resistance develops.

"Benlate" OD may be applied in spray oil alone or in oil-water emulsion by aircraft or ground equipment.

**Yellow Sigatoka:** Use "Benlate" OD at 3 to 4 oz per acre (210 to 280 g per ha). Rotate with DuPont Manzate® 200 Fungicide at 1.5 to 2.0 lb. per acre (1.7 to 2.0 kg per ha).

**Black Sigatoka:** Use "Benlate" OD at 4 oz per acre (280 g per ha) plus "Manzate" 200 at 2.2 to 2.7 lb per acre (2.5 to 3.0 kg per ha). Rotate with one or more applications of "Manzate" 200. Apply on average 6 and no more than 8 cycles of "Benlate" OD preferably in the wet months. Suspend use of "Benlate" OD and use "Manzate" 200 or other suitable fungicide during the relatively drier months.

Apply at the recommended rates at 14 to 21 day intervals throughout the year for Yellow Sigatoka. Under severe disease pressure or against Black Sigatoka shorten spray intervals to 7 to 10 days for "Manzate" 200 and 10-12 days for "Benlate" OD sprays.

**Spray Oil Mixture**—Use the fungicides in 1.0 to 2.0 gal per acre (10 to 20 liters per ha) of banana oil.

**Oil Water Emulsion**—Add emulsifier at the rate of 0.75 to 1% of oil at 0.5 to 1.0 gal per acre (5 to 10 L per ha). Apply a total volume with water of 2 to 3 gal per acre (19 to 28 liters per ha) for aerial application and at least 5 gal per acre (47 liters per ha) with mist blowers.

The fungicides must be mixed and kept in suspension by continuous agitation through mechanical or hydraulic means.



**STORAGE AND DISPOSAL**

**STORAGE:** Store product in original container only, away from other pesticides, fertilizer, food, or feed.

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Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of in the same manner.

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**D-091693**