

70-291

9-10-1993

1/10



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

70-291

SEP 10 1993

Term of Issuance: Conditional

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

Name of Pesticide Product:

Rigo Maneb Special Fungicide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Wilbur-Ellis Company  
P.O. Box 16458  
Fresno, CA 93755

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 70-291".
- b. Revise the Statement of Practical Treatment and Precautionary Statements to read as follows:

Precautionary Statements  
Hazards to Humans (and Domestic Animals)  
Caution

Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Do not apply this product in such manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Signature of Approving Official:

*Clarence D. Lewis, III*

Date:

SEP 10 1993

### 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 washwaters.

### Statement of Practical Treatment

If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Call a physician. Never give anything by mouth to an unconscious person.

If in eyes, flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

If on skin, immediately flush skin with plenty of water. Get medical attention if irritation persists.

- c. Under **Potatoes**, you may add the states of Delaware, Michigan, Ohio and Rhode Island to the list of states with a three day preharvest interval.
  - d. Under **Apples**, the dosage rate for the extended application is a maximum of 2.4 lbs. a.i./acre. The dosage rate stated is equivalent to 3.2 lbs. a.i./acre. For the extended application schedule, reduce the rate to 1.5 tsp./gallon.
  - e. Note that the last sentence beginning on page five and ending in the first line of page six of your application dated May 17, 1993, is incomplete and repeats elements of the preceding and following sentences. Make an appropriate correction.
3. Submit two copies of the revised final printed label before you release your product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Clarence O. Lewis, III  
Acting Product Manager (21)  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

2/10

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

SEP 10 1993

RIGO  
MANEB SPECIAL

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

70-291

FUNGICIDE  
Wettable Powder

Controls many plant diseases on listed, Vegetables, Fruits,  
Nuts and Ornamentals

ACTIVE INGREDIENT:

Maneb (Manganese ethylenebisdithiocarbamate).....	80%
(equivalent to Manganese metallic 16.5%)	
INERT INGREDIENTS:.....	20%
TOTAL.....	100%

U.S. Pat. 3,379,610

Keep Out Of Reach Of Children (6 pt.)

Caution (10 pt.)

EPA Reg. No. 70-262  
EPA Est. No. 70-KY-1

NET CONTENTS  
6 OUNCES

RIGO COMPANY  
A Division of Wilbur-Ellis Company  
BUCKNER, KENTUCKY 40010

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION! MAY IRRITATE EYES, NOSE, THROAT, AND SKIN. MAY BE  
HARMFUL IF INHALED OR SWALLOWED. Avoid breathing dust or  
spray mist. Avoid contact with skin, eyes, and clothing.  
Keep away from fire or sparks.

FIRST AID: In case of contact, flush skin or eyes with plenty  
of water; for eyes, get medical attention.

PROTECTIVE MEASURES: Always spray with your back to the wind.  
Wear long-sleeve shirt, long pants, and rubber gloves. Wash  
gloves thoroughly with soap and water before removing. Change  
your clothes immediately after using this product and launder  
separately from other laundry items before reuse. Shower  
immediately after use.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Drift and runoff from

4/10

treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water when disposing of equipment washwaters.

**IMPORTANT:**

Never allow Maneb Special to become wet during storage. This may lead to certain chemical changes which will reduce the effectiveness of Maneb Special as a fungicide and create vapors which may be flammable. Keep container closed when not in use.

**DIRECTIONS FOR USE**

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

**STORAGE AND DISPOSAL**

**Storage:** Do not contaminate water, food or feed by storage or disposal. Store in original container in a cool, dry, locked area away from children. **Disposal:** Do not reuse empty container. Wrap container and put in trash collection.

**GENERAL INFORMATION**

Maneb Special is a wettable powder formulation and is intended for dilution with water and as a spray for the control of many important plant diseases. Maneb Special has good adhesive properties on plants, high fungicidal efficiency and is easy to use. It is particularly effective against many of the fungus diseases of certain vegetable, fruit and ornamental crops.

Maneb Special can be applied alone or with other pesticides recommended in spray schedules. For further details, see recommendations on this label, then consult current State Agricultural Extension Service specialists for information on compatibility, dosage, timing, and frequency of sprays.

**MIXING:** Maneb Special mixes readily with water and is suitable for use in pressure-type or hose-end type sprayers. For pressure-type sprayers, add half the amount of water to be used, measure and add this product to the spray tank, then add the rest of the water. Agitate and repeat periodically during spraying.

For hose-end type sprayers measure the required amount of Maneb Special into the sprayer jar for each gallon of final spray. Add water to the indicated level in the jar to give the desired number of gallons of final spray. Follow the recommendations of the manufacturer of your particular hose-end sprayer.

Add any recommended insecticides or nutritional spray last. To improve plant coverage and adherence of Maneb Special, add a spreader-sticker adjuvant.

NOTE: One ounce equals approximately 8 level teaspoons of Maneb Special.

### VEGETABLES

DOSAGE: Use Maneb Special at a rate of 2 teaspoonfuls per gallon of spray. Please note all restrictions for each vegetable listed. Spray plants thoroughly to the point of runoff.

BEANS (dry) - Downy mildew, rust. Do not exceed 1/2 gallon of spray mixture per 50 feet of row. Apply when disease first appears and repeat at 5-7 day intervals. Do not exceed 6 applications per season. Do not apply within 30 days of harvest. Do not feed treated forage or hay to livestock.

BROCCOLI, BRUSSELS SPROUTS, CABBAGE (including Chinese cabbage, tight-headed varieties only), CAULIFLOWER, KOHLRABI - *Alternaria* leaf spot and downy mildew. Do not exceed 1/2 gallon of spray mixture per 50 feet of row. Apply as soon as disease threatens and repeat at 7-10 day intervals. Do not exceed 6 applications per season. Do not apply within 7 days of harvest. Add spreader-sticker to spray mixture.

KALE - *Alternaria* leaf spot and downy mildew. Do not exceed 1/2 gallon of spray mixture per 50 feet of row. Make no more than 2 applications per cutting. Start applications when disease first appears in area and repeat at 7 to 10 day intervals. Do not apply within 10 days of harvest. Remove residues by stripping, trimming, and/or washing.

CUCUMBERS, SQUASH (summer & winter) - Anthracnose, downy mildew (and *Pythium* fruit rot in South Carolina). Do not exceed 1/2 gallon of spray mixture per 100 sq. ft. of area. Begin when runners form and repeat at 7-10 day intervals as needed. Do not exceed 8 applications per season. Do not apply within 5 days of harvest.

EGGPLANTS - Anthracnose, early blight (*alternaria*), *phomopsis* blight and fruit rot. Do not exceed 1/2 gallon of spray mixture per 50 feet of row. Apply as fruit begins to form and repeat at 7-10 day intervals. Do not make more than 7 applications per season. Do not apply within 5 days of harvest.

LETTUCE (head & leaf), ENDIVE - Downy mildew. Do not exceed 1/2 gallon of spray mixture per 50 feet of row. Apply when disease first appears and repeat at 7 to 10 day intervals. Do not apply more than 6 applications per season, except in

6/10

California, 4 applications. Do not apply within 10 days of harvest, 14 days in California. Remove residues from head lettuce by stripping and trimming and from leaf lettuce and endive by washing or other effective means.

MELONS (cantaloupe, casaba, crenshaw, honey dew and watermelons) - Anthracnose, Cercospora leaf spot, downy mildew and Gummy stem blight. Do not exceed 1/2 gallon of spray mixture per 100 sq. ft. of area. Start applications when runners begin to form or at first sign of disease. Repeat every 7-10 days as needed. Do not apply more than 8 applications per season. Do not apply within 5 days of harvest.

ONIONS (dry bulb & green) - Blast (Botrytis leaf blight), downy mildew, purple blotch (blight). Do not exceed 1/2 gallon of spray mixture per 33 feet of row. Apply when disease first appears and repeat every 7 days as needed. Add spreader-sticker. Note: For dry bulb onions: Do not apply to exposed bulbs. Do not apply more than 10 applications per season. For green onions: Do not apply more than 7 applications per season. For all onions, do not apply within 7 days of harvest.

PEPPERS - Anthracnose, ripe rot and cercospora leaf spot (frog-eye spot). West of the Mississippi River do not exceed 1/2 gallon of spray mixture per 50 feet of row. East of the Mississippi River, do not exceed 1/2 gallon of spray mixture per 33 feet of row/ Begin application when disease threatens and repeat at 7-10 day intervals. Do not exceed 6 applications per season. Do not spray within 7 days of harvest.

POTATOES - Early and late blight. Do not exceed 1/2 gallon of spray mixture per 50 feet of row. Begin application when plants are 2-6 inches high and repeat every 5 to 10 days with up to 7 applications per season. Do not apply within 3 days of harvest in Connecticut, Florida, Maine, Massachusetts, New Hampshire, New York, Pennsylvania, Vermont and Wisconsin and at least 14 days elsewhere. It is recommended that this product be used within an Integrated Pest Management Program. Also, vine-kill should occur 14 days before harvest.

PUMPKINS - Angular leaf spot and downy mildew. Do not exceed 1/2 gallon of spray mixture per 100 sq. ft. of area. Start applications when disease threatens and repeat at 7 to 10 day intervals as needed. Do not make more than 8 applications per season. Do not apply within 5 days of harvest.

CORN (sweet & pop) - Helminthosporium leaf blight. Do not exceed 1/2 gallon of spray per 66 feet of row. Begin applications when disease first threatens and repeat at 3 to 10 day intervals. A total of 15 applications per season can

7/10

be made in states east of the Mississippi River and Arkansas and Louisiana. Only 5 applications can be made in the other states west of the Mississippi River. In all states, do not apply within 7 days of harvest. Do not feed treated forage to livestock.

**TOMATOES** - Anthracnose, early and late blight, gray leaf spot (Stemphylium) and Septoria leaf spot. In states west of the Mississippi River do not exceed 1/2 gallon of spray mixture per 50 feet of row and 4 applications per season. In states east of the Mississippi River, do not exceed 1/2 gallon of spray mixture per 33 feet of row and 7 applications per season. Start applications when first cluster fruit is well formed and repeat at 7 to 10 day intervals. Do not apply within 5 days of harvest.

#### FRUITS AND NUTS

**ALMONDS** - Brown rot (blossom and twig blight) and shot-hole (fungus). Use 3 to 4 teaspoons of MANEB SPECIAL per gallon of water at the popcorn, full bloom and petal fall stages (if only brown rot is present omit petal fall spray). Add spreader-sticker. Do not exceed 3 gallons of spray mixture per 500 sq. ft. Apply at intervals of 7 to 10 days and make no more than 4 applications per season. Do not apply later than 5 weeks after petal fall. Do not feed hulls to dairy animals or animals being finished for slaughter, if applied after petal fall.

**APPLES** - Apple scab,

fly speck, rust, sooty blotch

Use MANEB SPECIAL at 2 teaspoons per gallon of water. For extended application use only (do not begin sprays until petal fall). Do not exceed 3 gallons of spray mixture per 500 sq. ft. Apply at intervals of 7 to 10 days making no more than 7 applications per season. Do not apply within 77 days of harvest. It is recommended that this product be used in an Integrated Pest Management Program. Do not graze livestock in treated areas.

**GRAPES** - Black rot (bunch rot). Use 3 teaspoons per gallon of water starting when new shoots are 8 to 10 inches long (pre-bloom) and continue with remaining applications just after bloom. East of Rocky Mountains. Do not exceed 2 1/4 gallons of spray mixture per 500 sq. ft. Apply at intervals of 7 to 10 days. Do not make more than 6 applications per season. Do not apply within 66 days of harvest. West of Rocky Mountains. Use 2 teaspoons of this product per gallon of water. Do not exceed 2 1/4 gallons of spray mixture per 500 sq. ft. Apply at 7 to 10 day intervals not exceeding 3 applications per season. Begin spraying when new shoots are 8 to 10 inches long (pre-bloom) and continue with the last two applications just after bloom. Do not apply with 66 days

two applications just after bloom. Do not apply within 66 days of harvest except in California where no treatment may occur after bloom.

### ORNAMENTALS

**DOSAGE:** Use Maneb Special at a rate of 3 teaspoons (tsp.) per gallon of spray, unless otherwise stated. In case of severe disease outbreaks or when weather conditions favor disease, use 4 tsp. per gallon of spray and shorten interval between applications. Spray plants thoroughly to the point of runoff.

**CHRYSANTHEMUM** - *Ascochyta* ray blight, *Botrytis* petal spot, *Septoria* leaf spot. Use 1 teaspoon MANEB SPECIAL plus 1/8 oz. of a 50% captan formulation per gallon of water. Apply twice weekly during the blooming season for petal spot and ray blight. For *Septoria* leaf spot apply weekly throughout the season.

**FLOWERING DOGWOOD** - Anthracnose. Apply when buds begin to open and again when bracts have fallen, and 4 weeks later and again in later summer after flower buds for next season are formed.

**PEONY** - *Botrytis* blight and *Phytophthora* blight. Apply in early spring and early fall, drenching soil surrounding plant as well as foliage. Destroy all infected parts promptly.

**CARNATIONS** - Leaf spot.

**DAHLIA** - *Botrytis*

**GLADIOLUS** - *Botrytis*, *Curvularia*,  
*Stemphylium*

**LILY** - *Botrytis*

**PANSY** - Anthracnose

**ROSE** - Black spot

**SNAPDRAGON** - Rust

**ZINNIA** - Leaf blight.

Use 2 to 3 teaspoons per gallon of water in full coverage spray. Begin spraying when plants are well leafed out and apply at weekly intervals throughout the season (see General Instructions).

**TURF GRASSES** - Leaf, stem and stripe rusts. Use MANEB SPECIAL at 3 to 4 oz. per 1000 sq. ft. in sufficient water to provide adequate coverage. Start applications when rust pustules are first seen and repeat every 7 to 14 days as long as rust threatens.

**Sclerotinia** (dollar spot). Use MANEB SPECIAL at 6 to 8 oz.



per 1000 sq. ft. in sufficient water to provide adequate coverage. Start applications at first signs of disease and repeat every 7 to 14 days until disease threat is past.

Melting Out - Use MANEB SPECIAL at 3 to 4 oz. per 1000 sq. ft. in sufficient water to provide adequate coverage. Start application at first signs of disease and repeat every 5 to 10 days until disease threat is past.

Rhizoctonia (brown patch). Use MANEB SPECIAL at 3 oz. per 1000 sq. ft. in sufficient water to provide adequate coverage. Start applications at first signs of disease and repeat every 5 to 10 days until disease threat is past.

Note: Do not graze treated areas. Do not feed clippings to livestock.

NOTE - MANEB SPECIAL may be used without any spreader-sticker. When necessary to improve the spray coverage on foliage difficult to wet and to smooth out spray deposits on maturing fruit.

NOTICE: Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

R-392

10/10

RIGO Maneb Special Fungicide (labels)manebr2)  
AGE 8

#### ADDENDUM

(This is not to be printed on the label but is offered to offer explanation for the assumptions made.)

**VEGETABLES:** To accommodate the homegardener to be able to spray several different vegetables in the garden, we have recommended 2 teaspoonfuls of Maneb per gallon of water. The amount of spray mixture for the homeowner to use for each vegetable for a given area or row length was adjusted either up or down so that the maximum application rate would not be exceeded. These were based on the following:

**BEANS (dry); BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, and KOHLRABI; KALE; EGGPLANT, LETTUCE and ENDIVE, PEPPERS; POTATOES; and TOMATOES** - Based on 200 gallons of spray per acre with the crop planted on 30 inch spacing. Spraying 1/2 gallon per 50 feet of row would be equal to the 1.6 lb. a.i./A. maximum application rate.

**TOMATOES (east of the Mississippi River)** - We reduced the row length from 50 to 33 feet to reach the equivalent maximum rate of 2.4 lb. a.i./A.

**CUCUMBERS and SQUASH; MELONS; PUMPKINS** - Based on 200 gallons of spray per acre and the fact that these plants spread and vine out making it necessary to use square feet rather than feet of row.

**ONIONS** - Based on 200 gallons of spray per acre and we decreased the length of row to spray 1/2 gallon of spray mixture from 50 to 33 feet to reach the maximum application rate equivalent to 2.4 lb. a.i./A.

**CORN** - To decrease the equivalent maximum application rate to 1.2 lb. a.i./A., we increased the row length from 50 to 66 feet to spray 1/2 gallon.

#### FRUIT CROPS

**ALMONDS, and APPLES** - To not exceed the maximum application rate, the spray gallonage was based on 300 gallons per acre.

**GRAPES** - Based on 200 gallons of spray per acre.