

MANEB 80 FUNGICIDE
EPA Registration No. 4581-255

4581-255

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Pg. 1 of 5

DIRECTIONS FOR USE

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

CROP	DISEASES	RATE LB./ACRE	REMARKS
Carrots	Leaf Spot Diseases	2	Apply when plants are 6 weeks old (or when disease threatens); repeat at 7- to 10-day intervals.
Celery	Early Blight (<u>Cercospora</u>) Late Blight (<u>Septoria</u>)	2	Apply when plants are established in the field; apply at 7- to 10-day intervals. Under severe disease conditions apply at 3- to 5-day intervals. Do not apply within 14 days of harvest. Remove excess residues by stripping, trimming and washing.
Onions	Downy Mildew Purple Blotch (blight) Blast (botrytis leaf blight)	2	Apply when first spots appear; repeat every 7 days as needed.

Continued on next page

ACCEPTED

AUG 12 1987

Under the Federal Insect
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under

Spinach	Downy Mildew (blue mold) White Rust	1.5	Apply when disease first appears in area; repeat at 7-day intervals. Do not apply within 10 days of harvest. Remove excess residue by washing.
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KEEP OUT OF REACH OF CHILDREN

CAUTION

HARMFUL IF SWALLOWED, ABSORBED THROUGH
SKIN OR INHALED

For Precautionary Statements see label attached to container.

All applicable directions, restrictions and precautions on the EPA-registered label are to be followed.

NOTE: This label must be in the possession of the user at the time of pesticide application.

5-2341SLA-01 D7 (12/86)

MANEB 80
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Fungicide

ACTIVE INGREDIENT:

Maneb (Manganese ethylenebisdithiocarbamate) - - - - - 80.0%
(Manganese equivalent as metallic 16.5%)

INERT INGREDIENTS - - - - - 20.0%
TOTAL - - - - - 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

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, immediately 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.

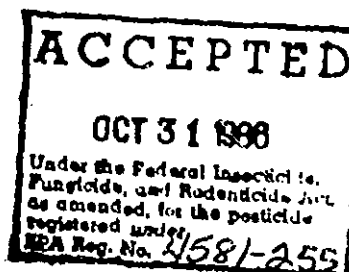


EPA Registration No. 4581-255
EPA Establishment No. 33910-HL-01

Net Weight 50 Lbs./22.68 Kg.

Sold by:

Agchem Division - Pennwalt Corporation
Philadelphia, PA 19102



**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 spray mist or dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes.

GENERAL INFORMATION

MANEB 80 may be used as a spray or dust for the control of many fungus plant diseases. It mixes readily with water, suspends well, and adheres to sprayed surfaces with a minimum of runoff.

DIRECTIONS FOR USE

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

Do not enter treated areas without protective clothing until spray has dried or dust has settled. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, such warnings shall be given in a language customarily understood by the workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by the workers. Written warnings must include the following information: "CAUTION. Area treated with MANEB 80 Fungicide on (date of application)"

MANEB 80 is recommended for control of the diseases on the crops listed below.

SPRAYS:

FOR GROUND APPLICATION use 1½ to 2 pounds MANEB 80 per 100 gallons of water unless otherwise indicated. Apply 100 to 125 gallons of total spray per acre for low growing crops. Use 150 to 200 gallons per acre for heavy tomato and potato vines.

To prepare mixture, sift in the required amount of product when the agitator paddles or the jet or recirculating pipe from pump are covered. Fill the tank with water when the product is thoroughly mixed. Three to four level teaspoonfuls of MANEB 80 per one gallon of water is equivalent to 1½ to 2 pounds per 100 gallons.

FOR AIR APPLICATION mix 1½ to 2 pounds MANEB 80 in 8 to 10 gallons of water per acre for most field crops. Minimum gallonage for orchards and vineyards will range from 10 to 20 gallons per acre depending on the size of the trees or vines and their foliage density.

DUST:

MANEB 80 may be used at concentrations of 6% to 8% (4.8 to 6.4% active) unless otherwise stated by diluting and thoroughly mixing with pyrophyllite or some other neutral diluent. Use dust mixtures as soon as possible after preparation. Compatible insecticides may displace an equivalent amount of diluent in preparing the dust mixtures.

TOMATOES: Early blight, late blight, septoria leaf spot, gray leaf spot (*Stemphylium*) and anthracnose—Apply when fruit of first clusters is well formed; repeat at 7 to 10 day intervals. (Do not use on young seedlings in greenhouses as injury may occur.) When weather conditions favor disease, more frequent applications may be necessary starting when plants are set in fields. Tomato plants treated with MANEB 80 tend to develop heavy foliage and spray gallonage should be increased accordingly to assure complete coverage. In areas where anthracnose is a serious problem on canning tomatoes, apply 3 pounds MANEB 80 per acre. Do not apply within 5 days of harvest.

POTATOES: Early and late blights—Apply as soon as plants are 2 to 6 inches high, repeat at 5 to 10 day intervals as long as blights threaten. Under severe disease conditions, use the shorter application interval.

CABBAGE: Alternaria leaf spot and downy mildew—Use 1½ pounds per 200 gallons and apply up to 150 gallons per acre. As a dust, use up to 40 pounds per acre (2.4 pounds MANEB 80). Plant beds and direct seeded fields—Apply 7 to 10 days after planting or earlier if diseases are present. Repeat at 3 day intervals until plants are set in the field or until field seeded plants are thinned. Fields—Apply when the disease threatens; repeat weekly as needed. Shorten interval to 3 to 5 days under severe conditions. Do not apply later than 7 days before harvest.

CORN (Sweet): Helminthosporium leaf blight—Begin application when first signs of disease appear and apply every 7 to 10 days while the disease is present (under severe conditions, shorten intervals to 4 to 5 days). Do not use more than 3 pounds MANEB 80 per acre. Add a recommended surfactant or spreader/sticker to the spray tank. Do not feed treated forage to livestock.

CUCUMBERS: Downy mildew, anthracnose (also pythium fruit rot in South Carolina); and **WATERMELONS:** Downy mildew, anthracnose, cercospora leaf spot, and gummy stem blight—Apply as soon as plants begin to run or when disease threatens; repeat at 7 to 10 day intervals as needed. Under severe conditions, shorten intervals to 3 to 5 days. Do not apply within 5 days of harvest.

CANTALOUPES and SQUASH (Texas): Downy mildew—Apply as soon as plants begin to run or when disease threatens; repeat at 7 to 10 day intervals as needed. Do not apply within 5 days of harvest.

LETTUCE

Downy mildew—As a spray, use up to 150 gallons per acre and as a dust, up to 50 pounds per acre (3 pounds MANEB 80). Apply when disease appears; repeat at 7 to 10 day intervals under average conditions, 3 to 5 days when disease conditions are severe. Do not apply within 10 days of harvest. Remove residues from head lettuce by stripping and trimming, and from leaf lettuce by washing or other effective means.

BEANS (Field and Snap): Rust, anthracnose, **LIMA BEANS:** Anthracnose, downy mildew—Use up to 200 gallons spray or 30 pounds dust per acre (1.9 pounds MANEB 80). Start applications during early blooming stage, or when disease first appears; repeat at 4 to 7 day intervals as needed. Do not apply within 4 days of harvest on succulent beans.

SUGAR BEETS: Cercospora leaf spot—Use 1½ to 2 pounds per acre in 75 to 125 gallons of water. As a dust, apply at the rate of 30 to 40 pounds per acre (1.8 to 2.4 pounds MANEB 80). Apply when disease threatens (usually early July) repeat at 7 to 10 day intervals as needed. Do not apply within 10 days of harvest. Do not feed treated tops to livestock.

TOBACCO (North Carolina): Blue mold and anthracnose—Use ½ pound per 100 gallons of water. Spray plant beds when plants are the size of a dime or when blue mold is first reported in area, applying 2½ to 5 gallons per 100 square yards depending on size of plants. Repeat twice weekly or more often if sprays are washed with rain. Continue treatment until transplanting is complete.

ALMONDS (California): Shot-hole (fungus) and brown rot (blossom and twig blight)—Use 1½ to 2 pounds per 100 gallons (6 to 8 pounds per acre) at the popcorn, full bloom and petal-fall stages (omit petal fall spray if only brown rot is present). Do not apply later than 5 weeks after petal fall. If applied after petal fall, do not feed hulls to dairy animals or animals being finished for slaughter.

GRAPES (Great Lakes Area): Black rot—Use 1½ to 1¾ pounds per acre in sufficient water for good coverage. Spray just before bloom, just after bloom, and 7 to 10 days later. Do not apply later than 10 days after bloom.

ROSES: Cercospora leaf spot (Texas), rust (California), black spot—Use 1½ pounds spray when first leaves unfold; repeat weekly as needed.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Storage Instructions: Store in the original container in a dry area. If allowed to become wet the product will deteriorate and represent a fire hazard. Keep away from sources of ignition (e.g. sparks and open flame). Close bag when not in use. Do not store in manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling sweep up spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.

Pesticide Disposal Instructions: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal Instructions: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY AND DISCLAIMER

Pennwalt Corporation warrants that this material 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 risks referred to therein. PENNWALT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL PENNWALT OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, BUSINESS REPUTATION, OR CUSTOMERS; LABOR COST; OR OTHER EXPENSES INCURRED IN PLANTING OR HARVESTING.

Pennwalt and 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 Pennwalt.

Made in Holland

Printed in Holland

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EPA Registration No. 4581-255

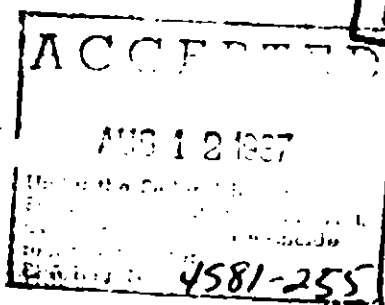
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BEST AVAILABLE

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