



Contents

\_\_\_\_ Pounds

ACCEPTED

MAY 20 1969

UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND RODENTICIDE ACT

REGISTERED TO THE POISON REGISTER

ED. AND NO. 11-114 SUBJECT

SEE ATTACHED COMMENTS.

Sure Death Brand

MANEB

AN AGRICULTURAL FUNGICIDE

ACTIVE INGREDIENT

Maneb (Manganese Ethylene Bisdithiocarbamate) 80%  
(Metallic manganese equivalent--16.5%)

INERT INGREDIENT

Total

20%  
100%

**CAUTION**  
**KEEP OUT OF REACH OF CHILDREN**

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY LABELING

**CAUTION:** May cause irritation of nose, throat, eyes and skin. Do not breathe dust or spray mist. In case of skin contact wash with water; for eyes get medical attention. Keep out of reach of children.

**IMPORTANT:** Keep away from fire and sparks. Store in a cool, dry place. Do not allow to become wet or overheated during storage. This may bring on chemical changes which will impair the fungicidal effectiveness of MANEB and may also generate flammable vapors. Keep container closed when not in use.

This product is toxic to fish. Keep out of lakes, streams or ponds. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment or disposal of wastes.

GENERAL INSTRUCTIONS

Use MANEB in sprays at 1 to 3 lb. per acre for vegetable and row crops or at 1-1/2 lb. per 100 gallons of water (1-1/2 level tablespoons per gallon) in full coverage dilute sprays for fruits and ornamentals unless specified otherwise.

Sprays should be directed uniformly to all parts of the plant and the gallonage increased according to the size of plants and the density of the foliage. MANEB may also be used in low gallonage, airblast or aircraft sprayers by adjusting the mixing rate accordingly.

Follow local recommendations for timing, frequency and number of sprays per season. To avoid excessive residues on certain crops, observe the timing restrictions between last application and harvest indicated on this label and wash or wipe sprayed produce before use.

Sift MANEB slowly into spray tank as it is being filled or premix thoroughly in nurse tank for concentrate or aircraft sprayers. Add insecticide, nutritional sprays and spreader last. MANEB is compatible

with most insecticides and miticides such as DDT, RHOTHANE, parathion, malathion and other phosphatics, toxaphene, dieldrin, methoxychlor, KELTHANE and fungicides such as KARATHANE, captan, sulfur, fixed copper and antibiotics.

#### VEGETABLES

**TOMATOES**--Early and Late Blight, Anthracnose, Stemphyllium (gray leaf spot), Septoria leaf spot and Cladosporium gray mold on tomatoes in field, greenhouse or plant beds. Begin spraying when disease is first reported in area and repeat at 7-to 10-day intervals or oftener during severe late blight conditions. Use 3 lb. of MANEB per acre in severe anthracnose areas. To avoid damage do not use on tender young plants under glass.

**POTATOES**--Early and late blight. Apply every 7 to 10 days throughout the season. Begin applications early applying 1 lb. MANEB per acre and increasing to 1-1/2 lb. and 2 lb. per acre as vines increase in size.

**CELERY**--Early and late blight. Begin spraying in the plant bed when plants first come through the ground. Make further applications at 3-to 5-day intervals until plants are set in the field. Continue field applications on regular weekly schedule. Remove residue by stripping, trimming and washing.

**Carrots**--Leaf blight, Cercospora leaf spot. Begin applications when diseases are reported in the area and continue at 7 to 10 day intervals during the growing season, or as required for adequate control.

**CANTALOUPE, CUCUMBERS, SQUASH, MELONS AND WATERMELON**--Downy mildew, Anthracnose, Gummy stem blight. Start applications when runners begin to form or at the first sign of disease. Repeat at weekly intervals. Direct spray to underside of leaves. Some varieties of melons may be sensitive to MANEB. Check this before use on any questionable varieties.

**Beans**--Downy mildew, Rust. Apply when disease first appears and repeat at weekly intervals. Do not apply to string beans within 4 days of harvest.

**Lettuce, Endive**--Downy mildew. Apply at first sign of disease and repeat at 7 to 10 day intervals as required. Remove residue by trimming and washing. Do not use with 7 days of harvest.

**CORN (SWEET) FLORIDA**--Helminthosporium leaf blight. Use 2 to 2-1/2 lb. MANEB per acre in sufficient water for adequate coverage. Begin applications when disease first threatens, repeat at 4-to 7-day intervals until harvest. Do not feed treated forage to livestock.

**Onions**--Downy mildew, Botrytis leaf blight, purple blotch. Apply when diseases are reported in the area and continue at 7 to 10 day intervals during the season.

**Spinach**--Downy mildew (blue mold), and white rust. Apply at first sign of disease and repeat at 7 to 10 day intervals or as required for adequate control. Do not spray within 7 days of harvest, wash thoroughly.

**CABBAGE, BRUSSELS SPROUTS, CAULIFLOWER, KOHLRABI, BROCCOLI**--Downy mildew, Alternaria leaf spot. Use 1 to 3 lb. MANEB per acre in up to 150 gallons of water (except in cabbage, 2-1/4 lb. maximum.) Begin applications as soon as disease threatens and repeat at 7-to 10-day intervals in the field. Use at 3-day intervals in plant beds. Do not apply within 7 days of harvest.

**EGGPLANT AND PEPPERS**--Fruit rot, Anthracnose. Apply as fruits begin to form at weekly intervals through harvest.

#### FRUITS AND NUTS

**PEACHES, APRICOTS, NECTARINES--WESTERN STATES**--Coryneum blight (shot hole), Brown Rot Blossom Blight, Peach Leaf Curl, Green or Jacket Rot. Begin at dormant to popcorn stage, repeat every 7 to 14 days through petal fall

according to local timing recommendations and disease severity. For fruit brown rot use again at 4 to 6 weeks before harvest, repeating applications every 7 to 14 days. Use 1-1/2 to 2 lb. MANEB per 100 gallons of spray or 6 to 10 lb. per acre in full coverage sprays. Add 3 to 4 ounces POLY WET spreader-sticker per 100 gallons spray. Do not apply to apricots and nectarines within 14 days of harvest. If applied to peaches within 14 days of harvest remove residues by brushing. Do not apply to peaches within 2 days of harvest.

ALMONDS--California--Coryneum blight (snot hole.) Brown rot blossom blight. Use 1-1/2 to 2 lb. MANEB per 100 gallons or 6 to 8 lb. per acre in full coverage sprays. Apply at popcorn, full bloom and petal fall, or every 7 to 10 days if bloom is staggered and weather is rainy. Use 4 ounces POLY WET spreader-sticker per 100 gallons spray. Do not apply later than 5 days after petal fall if almond hulls are to be fed to dairy animals or animals being finished for slaughter.  
CRANBERRIES--Fruit rots. Use 3 to 6 lb. MANEB per acre in sufficient water for good coverage. Begin applications at mid bloom and repeat as necessary but do not apply within 30 days of harvest. Follow local recommendations for further details on timing.  
GRAPES--Black rot (Great Lakes Area.) Use 1-1/2 lb. spreader-sticker. Apply just before and just after bloom and in 10 days or follow local timing recommendations.  
BANANAS--Sigatoka. Use 2 to 4 lb. MANEB per acre in sufficient water to provide adequate coverage. Apply only in aerial applications. Begin when leaves first appear and repeat about every two or three weeks or as required. Crown rot. Use 2 to 4 lb. per 100 gallons of water. Dip cut hands in solution as a post-harvest dip prior to shipment.

#### FIELD CROPS

SUGAR BEETS--Cercospora Leaf Spot. Use 2 to 3 lb. MANEB per acre. Begin when disease threatens and repeat at 7- to 10-day intervals for 3 to 5 applications depending on severity of disease. High gallonage sprays of 80 to 100 gallons per acre are preferred. Add 2 ounces POLY WET spreader-sticker per 100 gallons of spray. Do not apply within 30 days of harvest. For seed treatment, use 6 to 10 ounces MANEB per 100 lb. seed. Do not feed treated tops or seed to dairy or meat animals.

TOBACCO--Blue mold and Anthracnose (North Carolina). Use 1/2 lb. MANEB per 100 gallons water, or 1 heaping teaspoon per 4 gallons water. Spray plant beds when plants are the size of a dime or when blue mold is first reported in the area, applying 2-1/2 to 5 gallons per 100 square yards depending on size of plants. Repeat twice weekly or oftener if sprays are washed with rain. Continue treatment until transplanting is complete

**TURE GRASSES**--For stem, leaf and stripe rusts. Use 2 tablespoons MANEB per gallon or 3 lb. per 100 gallons. Apply 7 gallons per 1,000 square feet or 100 gallons per acre when rust pustules are first seen and repeat every 7 to 14 days as long as rust threatens. For Sclerotinia dollar spot. Use MANEB at 6 to 8 ounces per 1,000 square feet in sufficient water to provide adequate coverage. Start application at first sign of disease and repeat every 7 to 14 days until disease threat is past. For Melting Out. Use MANEB at 3 to 4 ounces per 1,000 square feet in sufficient water to provide adequate coverage. Start applications at first sign of disease and repeat every 7 to 14 days until disease threat is past. Follow local recommendations for further details on timing.

**GRASSES FOR SEED**--Stem, leaf and stripe rusts. Use 2 to 3 lb. MANEB per acre in 50 to 100 gallons of water. Begin application when first rust pustules are noted and repeat every 7 to 10 days until harvest or as long as rust threatens. Do not feed treated grass to livestock.

#### ORNAMENTALS

Use 1 to 1-1/2 lbs. per 100 gallons or 1-1/2 level tablespoons per gallon in full coverage spray. Begin spraying when plants are well leafed-out and apply at weekly intervals throughout the season or follow local commercial florist recommendations for control of:

ROSE--black spot  
DAHLIA--Botrytis  
PANSY--Anthracnose  
ZINNIA--leaf blight  
GLADIOLUS--Stemphyllium, Curvularia and Botrytis  
CARNATION--leaf spot  
LILY--Botrytis  
SNAPDRAGON--Rust

**CHRYSANTHEMUM**--Botrytis petal spot, Ascochyte rayblight, Septoria leaf spot. Use 1/2 lb. MANEB plus 3/4 lb. captan per 100 gallons. Apply twice weekly during the blooming season for petal spot and ray blight. For Septoria leaf spot apply weekly throughout the season.

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

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

Note: To improve wetting and distribution of MANEB spray on celery, tomatoes, onions, carrots and most fruits, ornamentals and sugar beets, peanuts and grasses, or other crops difficult to wet, add 2 to 6 ounces POLY WET spreader-sticker per 100 gallons of dilute spray or more for concentrates.

**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 even though the product is used in accordance with Directions. All such risks shall be assumed by the Buyer.

Woodbury Chemical Co. 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. Woodbury makes no express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall Woodbury or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. Woodbury 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 Woodbury Chemical Company.

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