SHAKE WELL BEFORE USING NOT FOR USE IN CALIFORNIA

MANEB BLUS ZING F4

Fungicide

| ACTIVE INGREDIENT: | | |
|--|-------|--------|
| Maneb (Manganese Ethylenebisdithiocarbamate) | | 37% |
| (Total Manganese as metallic | 7 6%) | |
| INERT INGREDIENTS: | | 63% |
| | TOTAL | . 100% |
| | | |

This product contains 4 pounds Maneb per gallon

KEEP_OUT OF_REACH-OF-CHILDREN -CAUTION 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 ON SKIN, wash with plenty of soap and water. Get medical attention if irritation persists

See Back Panel for Additional Precautionary Statements

See Brochure for General Information, Directions for Use and Chemitation Instructions

Do not apply this product through any irrigation system unless these instruction, are followed



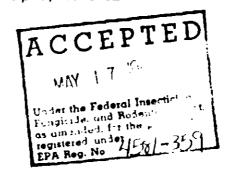
EPA Registratio No. 4581-359 EPA Establishme No. 4581-7X-1

Net Contents 2.5 U.S. Gallon/9.46 Liters

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 mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Wear protective clothing (long pants, long sleeved shirt, impermeable gloves, hat and boots) during mixing and loading.

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. Do not apply to water. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL AND CHEMICAL HAZARDS

Keep away from fire and sparks. Store in a cool dry place.

STORAGE AND DISPOSAL

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

Storage Instructions: Store in the original container. Keep away from fire and sparks. Store in a cool place, but not below 32°F. Do not allow product to become overheated in storage as this may bring on chemical changes which will impair the fundicide effectiveness of MANES-PLUS-ZINC F4 Fundicide. Keep container closed when not in use. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, absorb with sand or other inert material and dispose of absorbant 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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of 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

Pennwall Corporation warrants that this material conforms to the chemical description on the label and is reasonably/it 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 CR. 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 HA TVECTING

Pennwall and seller offer this product and the buyer and user accept it subject to the foregoing conumons of sale and warranty which may be varied only by agreement in writing signed by a duly authorized representative of Pennyalt.

Made and Printed in U.S.A.

NOT FOR USE IN CALIFORNIA

MANEB PLUS ZING F4

Fungicide

EPA Registration No. 4581-359

GENERAL INFORMATION

DIRECTIONS FOR USE

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

Do not use 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

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

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 PLUS ZING F4 Fungicide on (date of application). Do not causer without protective clothing until spray has dried.

DIRECTIONS FOR USE AS A SPRAY

FOR GROUND APPLICATIONS use at the rate indicated in sufficient water for thorough coverage, minimum of 10 gallons. Increased volume of water may be necessary as foliage density increases

OR AIR APPLICATION use at the rate indicated in sufficient water for thorough overage, at least 3 gallons, increased volume of water may be necessary as foliage density increases.

CHEMIGATION NOT FOR THIS USE IN CALIFORNIA **GENERAL INSTRUCTIONS**

Apply this product only through sprinklin irrigation systems including center pivot, taleral move, end tow side (wheel) roll traveler, big gun, solid set, or hand move. Do not apply this product through any other type of irrigation system

Crop many lack of effectiveness or illegal pesticide residues in the crop can result from nonunnform distribution of freshed water

If you have any questions about calibration, you should contact State Extension Service specialists, inquipment manufacturers or other experts

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise

Do not connect chemigation system to any public mater system. Public mater system means a system for it provinces the migration system to any public mater system. Public mater system means a system for it provinces of piped mater for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals rank at least 60 days out of the year

SYSTEM REQUIREMENTS

Systems utilizing a pressurance water and pesticide injection system must meet the following requirements The system must contain a functional check valve, vacuum retief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pessicide injection pipeline must cottain a functional automatic, quick closing check valve to prevent

the flow of fluid back toward the injection gump

The pesticide injection pipeline must also contain a functional normally closed solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply lank when the irrigation system is either automatically or manually shuf down The system must contain functional interlocking controls to automatically shull off the pesticide mection

pump when the water pump motor stops The irrigation line or water pump must include a functional pressure switch with stop the water pump

motor when the water pressure decreases to the point where pesticide distribution is adversely affected Systems must use a metering cump, such as a positive displacement election pump (e.g. diaphragm pump) effectively designed with a system interiors Instructed of materials that are compatible with pesticities and capable of being fitted

INSTRUCTIONS FOR SPRINKLER (OVERHEAD) IRRIGATION:

Observe the requirements in the System Requirements section above

hen wind speed favors drift beyond the area intended for treatm

Apply MANE® PLUS ZINC Fit only through systems containing anti-syption and check valves designed to prevent water source containing on overflow of the mer tank and containing interfocusing controls between metering device and the wifer pump to insure simultaneous shut-off

Maintain a gentle continuous agritation or mix tank during mixing and application to assure a uniform

Greater accuracy in carioristics and distribution will be achieved by injecting a larger volume of a more dilute

Application of more than recommended quantities of impation water per acre may result in decreased product

Do not apply when wind spect favors drift, when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product cannot be flushed and must be dismanted and drained. In a center away system, block the nazzle set nearest the well prior injection unit to p being applied to this area

ere sprinkler distribution patterns do not overlap sufficiently: unacceptable discognistici may mai Allow sufficient time for pessone to be flushed through all lines and all most as before turning all amounts

MANEB PLUS ZINC F4 may be applied in conjunction with chemically neutral inquid fertilizers. Application in conjunction with highly alkaline ferbicers, such as aqueous arrimonia—ay caus, a degradation of the pessible resulting in reduced performance and should be avoided.

Check local restrictions and requirements regarding Sprinkler irrigation applications, as they may vary from state to state

SPRAY PREPARATION

Remove scale, pesticide residues, and other for high in if it from the jib in it all all kind growe injector system. Flush with clear water

Prepare a suspension of MANER PLUS ZINC F4 in a mirr tank. Fill the tank with to or to the desired . Start mechanical or hydraulic agriation. Slowly add the rec ired amount of MANER PLUS ZINC F4

APPLICATION INSTRUCTIONS

Set sprinkler system to deliver 0.1 to 1.25 a.c.eS of water per acre. Volumes of water higher than this may feduce efficacy. Staff sprinter and then underrify inject the suspension of MANER PLUS 21MC F4 into the irrigation water line so as to deliver the desired rate per acre. The suspension is MANER PLUS 21MC F4 should be exected with a positive displacement pump into the main line shead of a right angle turn to insure adequate.

MOTE. When treatment with MARES PLUS 2000 F4 has been completed, 45, not ungate the treated area for 24 to 48 hours to prevent washing the chancel off the crop.

MANEB + ZINC F4

CROP

| CROP | DISEASES | | PT/ACRE | REMARKS |
|----------|--|-----|---|--|
| Almonds | Brown Rot Blossom Twig Blight Scab Shot-hole Fungus (Leaf Blight) | and | 9 1/2 - 12 3/4 | Apply at popce petal fall or bloom is stagg spray if only If applied aft feed hulls to animals being Use the higher disease pressuthan 5 weeks at |
| Apples | Black Rot Bitter Rot Botryosphaeria (White Rot) Bullseye Rot Cedar-Apple Rust Flyspeck Scab Sooty Blotch | | 12 - 16 PLUS suitable spreader/ sticker | Regin in preblicover stages. day intervals higher rate unpressure. Do in treated are in 15 days of Delaware, Illi Kentucky, Mary Jersey, North sylvania, Sout Virginia and Wapply within 3 |
| Grapes : | Black Rot | | 2 1/2 - 6 1/2 | Apply by sir onew shoots are (pre-bloom). |

DISEASES

RATE

bloom and 7 to fruit is prese 1 1/2 qts. per rate under sev Do not apply w

vest.

| Beans (Lima) | Anthracnose Downy Mildew |
|-------------------------|--------------------------------------|
| Beans (Snap and Dry) | Anthracnose Downy Mildew Rust |
| Broccoli | Alternaris Leaf Spot Downy Mildew |
| | |
| Cabbage | Alternaria Leaf Spot Downy Mildew |
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Begin at first sign of disease.

Repeat at 4 to 7 day intervals.

Do not apply within 4 days of harvest of succulent beans.

Begin when plants are small. Repeat at 5 to 7 day intervals. Do not apply within 4 days of harvest of succulent beans.

2 1/2 - 3 1/4 Begin when disease threatens. For Downy Mildew begin in plant bed and repeat at 3-day intervals. In the field, repeat at 7 to 14 day intervals. Use higher rate under severe disease pressure. If applied within 3 days of harvest, remove residues by washing or trimming.

2 1/2 - 3 1/4 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 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. Use higher rate under severe disease pressure.

| Melons, including Cantaloupe, Cassabas, Crenshaws, Honeydew Melons, Honey Balls, Muskmelons, Persian Melons, Watermelons | Anthracnose Cercospora Leaf Spot Downy Mildew Gummy Scem Blight | 3 1/4 | Begin at late bunching when vines begin to run or when disease first appears. Repeat at 7 to 10 day intervals. Do not apply within 5 days of harvest. |
|--|--|---------------|--|
| Corn (Sweet) | Helminthosporium Blight | 2 1/2 | 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). Add a recommended surfactant or spreader/sticker to the spray tank. Do not feed treated forage to livestock. |
| Cucumbers | Downy Mildew Anthracnose Pythium Fruit Rot (South Carolina) | 3 1/4 | 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 interval to 3 to 5 days. Do not apply within 5 days of harvest. |
| Eggplan* | Anthracnose Early Blight (Alternaria) Phomopsis Blight Fruit Rot | 2 1/2 - 3 1/4 | Begin when fruit starts to form. Repeat at 7 to 10 day intervals. Use higher rate under severe dispressure. |

| Lettuce, Endive | Downy Mildew | 3 1/4 | 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 and endive by stripping and trimming and from leaf lettuce by washing or other effective means. |
|---------------------------|---|------------------|---|
| Peppers | Anthracnose Cercospora Leaf Spot (Frogeye Spot) Ripe Rot | 2 1/2 - 3 1/4 | |
| Potatoes | Early and Late Blights | 2 1/2 - 3 1/4 | Regin when plants are 2 to 6 inches high. Repeat at 5 to 10 day intervals, more often and using higher rate under severe disease pressure. |
| Potatoes (Seed Pieces) | Fusarium Seed Piece Decay | 2 pts/ 10 gal | Seed piece treatment only. Dip whole or cut tubers. Stread in cool place if held before planting. Do not use excess seed pieces for food or feed. |
| Pumpkins | Angular Leaf Spot Downy Mildew | 4 3/4 | Begin when disease threatens. Repeat at 7 to 10 day intervals. |
| Spinach | Downy Mildew (Blue Mold) White Rust | 2 1/2 - 3 1/4 | Begin when disease appears. Repeat at 7 to 10 day intervals. Do not apply within 10 days of narvest. Use the higher rate under severe disease pressure. Remove excess residues by washing. |

| | r | | |
|--|---|---------------|--|
| Squash (Summer and Winter) | Anthracnose Downy Mildew | 2 1/2 - 3 1/4 | Begin when plants start to run. Repeat at 7 to 10 day intervals. Do not apply within 5 days of harvest. Use the higher rate under severe disease pressure. |
| Tomatoes (Greenhouse and Field) | Cladosporium Leaf Mold Early and Late Blights Gray Leaf Spot (Stemphylium) Septoria Leaf Spot | 2 1/2 - 3 1/4 | Begin at first fruit cluster and repeat at 7 to 10 day intervals. Do not apply within 5 days of harvest. Use the higher rate under under severe disease pressure. |
| | Anthracnose | 4 3/4 | Begin when first fruit forms. Repeat at 7 to 10 day intervals. Do not apply within 5 days of harvest. |
| Grasses (Ornamentals- Grown for Replanting Seed Purposes Only) | Leaf, Stem and Stripe Rust | 3 1/2 - 4 3/4 | Begin when rust pustules are first seen. Repeat at 7 to 14 day inter- vals. Use the higher rate under severe disease pressure. Do not feed treated grass to livestock. |
| Sugar Beets | Leaf Spot (Cercospora) | 4 3/4 · | Begin when disease threatens. Repeat at 7 to 10 day intervals for 3 to 5 applications. Do not apply within 14 days of harvest. Do not feed treated tops to livestock. |
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