



FEB 9 1983

Maneb Spray

Controls Many Diseases on Certain Vegetables, Fruits, Lawns and Ornamentals

ACTIVE INGREDIENT:
Maneb (Manganese ethylene bisdithiocarbamate) 71.0%

INERT INGREDIENTS: 29.0%

(Total Manganese as methic 4.37%) Total 100.0%

EPA Reg. No. 769-496 EPA Est. 769-GA-1

This Product contains 2 pounds of Maneb per gallon

KEEP OUT OF REACH OF CHILDREN.

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Induce vomiting by immediately giving two glasses of water and sticking finger in throat. Call a physician immediately. Never give anything by mouth to an unconscious person.

IF INHALED: Move victim to fresh air.

IF ON SKIN: Wash skin thoroughly with soap and water.

IF IN EYES: Flush with plenty of water for at least 15 minutes and get prompt medical attention.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: May cause irritation of eyes, nose, throat and skin. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. In case of contact, flush with plenty of water. For eyes, get medical attention.

ENVIRONMENTAL HAZARDS: Toxic to fish. Do not apply directly to lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of waste.

DIRECTIONS FOR USE

It is violation of Federal law to use this product in a manner inconsistent with its labeling. Apply only as indicated on this label.

NOTICE: When mixing or loading this product, all workers must wear the following protective clothing: long pants, long sleeved shirt, gloves, hat and boots.

MIXING INSTRUCTIONS

To insure a uniform product, gently shake contents before pouring. SECURITY Maneb Spray may be applied with any low pressure spray such as a knapsack type, compressed air line type, hose on or other similar lawn or garden spray equipment.

For HOSE ON sprayers, it is recommended that this product be diluted 1 part product to 1 part water before filling bottle. This will require setting the hose sprayer to apply twice the recommended label amount. To insure that the label states apply 2 tablespoons per gallon, the sprayer should be set to 4 tablespoons. Check sprayer to see that it delivers the proper amount of material before using.

Be sure the sprayer tank and spray tips and screens are clean before use. For sprayer other than hose on, fill the spray tank with 1/2 to 1/4 of the desired amount of clean water. Pour the recommended amount of product into the tank and complete filling to desired level with water. Before and frequently during use, shake or agitate the spray mixture in the tank to prevent settling. It is recommended that spray equipment be thoroughly cleaned after each day's use.

CONVERSION TABLE: 1 fluid ounce = 2 tablespoons = 6 teaspoons

VEGETABLES

In the garden apply SECURITY Maneb Spray when conditions favor disease development. Follow the recommended application timing and intervals for the vegetables listed. Do not apply to any crop not listed on the label. Rates are expressed in tablespoons per gallon of water. Unless otherwise indicated, apply 1.6 to 4.8 quarts per acre (2 to 6 tsp (1 fl. oz.) per gallon of water). Consult the Labeling Chart for the amount of diluted spray to apply for specific row spacings. All rates are based on a broadcast rate of 150 gallons per acre. During

heavy periods of growth, periodically respray with diluted spray to provide thorough coverage. Do not apply to any crop or vegetable listed on the label.

PREHARVEST INTERVAL: Follow the preharvest interval for each vegetable as indicated by the number in parentheses following each vegetable. All vegetables product can be used through date of harvest.

AMOUNT OF DILUTED SPRAY PER 100 FEET OF ROW WHEN ROW SPACING IS			
12 inches 1/2 gallon	24 inches 1/2 gallon	36 inches 1 gallon	48 inches 1 1/2 gallons

ASPARAGUS (pearl harvest): To control RUST, apply 4.8 quarts per acre (2 tablespoons (1 1/2 oz.) per gallon of water) immediately after harvest. Repeat at 10 day intervals as long as necessary. In young fields, begin when disease appears and repeat at 10 day intervals.

BEANS (Lima, Snap or String) (4): To control ANTHRACNOSE, DOWNY MILDEW and RUST, apply 4.8 quarts per acre (2 tablespoons (1 1/2 oz.) per gallon of water) beginning when plants begin to bloom or when disease first appears. Repeat applications at 4 to 7 day intervals.

BROCCOLI (3), BRUSSELS SPROUTS (10), CABBAGE (7), CAULIFLOWER (8), KOHLRABI (8): To control ALTERNARIA LEAF SPOT and DOWNY MILDEW, apply 3.6 quarts per acre (1 1/2 tablespoons per gallon of water) except on cabbage, 2.4 quarts per acre (1 tablespoon per gallon of water). Add to it Security Spreader/Sticker/Stem Perforator spray mixture. Apply to transplants in the garden or field as soon as disease threatens and repeat weekly as needed every 3 to 5 days under severe conditions. Remove residue at harvest by washing thoroughly. For Brussels sprouts, Cauliflower and Kohlrabi, repeat applications every 7 to 10 days as needed. For Cabbage, apply every 3 to 5 days from first appearance of disease to harvest.

CARROTS (10): To control ALTERNARIA and CEROSPERA LEAF SPOTS, begin spraying when plants are 4 weeks old and repeat at 10 to 15 day intervals.

CELERY (14): To control EARLY RUST, LATE RUST and LATE BLIGHT, begin spraying at 2.4 quarts per acre (1 tablespoon per gallon of water). Apply at 7 to 14 day intervals after plants are set in the field. Remove excess residue at harvest by washing thoroughly and washing.

COLLARDS (10), KALE (10), MUSTARD GREENS (10), TURNIPS (7): To control ALTERNARIA LEAF SPOT and DOWNY MILDEW, begin applications when disease first appears in area and repeat at 7 to 10 day intervals. Remove excess residue at harvest by washing.

CORN (Sweet) (8): To control HELMINTHOSPORIUM BLIGHT, apply 3.2 to 4 quarts per acre (1 1/2 to 1 3/4 gallons of water) per acre. Begin spraying when plants are 4 to 6 weeks old and repeat at 7 to 10 day intervals. Do not apply to corn plants that are stressed or have been damaged by frost.

CUCUMBERS (5), SQUASH (Summer and Winter) (5): To control ANTHRACNOSE, DOWNY MILDEW, ALTERNARIA (Mosaic) LEAF SPOT or CUCURBIT ALTERNARIA LEAF SPOT, apply 2.4 to 3.6 quarts per acre (1 to 1 1/2 tablespoons per gallon of water) depending on size of the field. Begin when conditions favor disease development. Repeat applications every 7 to 10 days. 3 to 5 days under severe conditions. Remove residue at harvest by washing thoroughly.

EGGPLANT (8), PEPPERS (8): To control ANTHRACNOSE, EARLY BLIGHT, LATE BLIGHT, BACTERIAL SPOT, and BACTERIAL LEAF SPOT, begin spraying at 2.4 quarts per acre (1 tablespoon per gallon of water) when plants are 4 to 6 weeks old and repeat at 7 to 10 day intervals.

LETTUCE (Endive) (10): To control DOWNY MILDEW, apply 2.4 to 3.6 quarts per acre (1 to 1 1/2 tablespoons per gallon of water) when plants are 4 to 6 weeks old and repeat at 7 to 10 day intervals. Remove residue at harvest by washing thoroughly.

MELONS (Cantaloupes, Casabas, Crenshaw, Honeydew, Honey, Muskmelon, Persian Melon and Watermelon) (5): To control ANTHRACNOSE, CEROSPERA LEAF SPOT, DOWNY MILDEW and GUMMY STEM BLIGHT, apply 2.4 quarts per acre (1 tablespoon per gallon of water) when plants are 4 to 6 weeks old and repeat at 7 to 10 day intervals.

ONIONS (8): To control BACTERIAL BLIGHT, apply 2.4 to 3.6 quarts per acre (1 to 1 1/2 tablespoons per gallon of water) when plants are 4 to 6 weeks old and repeat every 7 to 10 days as needed. Do not apply to onion plants that are stressed or have been damaged by frost.

PEAS (black eyed peas, cowpeas) (4): To control DOWNY MILDEW, apply 3.2 to 4 quarts per acre (1 1/2 to 1 3/4 gallons of water) per acre. Begin spraying when plants are 4 to 6 weeks old and repeat at 7 to 10 day intervals.

POTATOES (8): To control EARLY BLIGHT, LATE BLIGHT, BACTERIAL SPOT, and BACTERIAL LEAF SPOT, apply 2.4 to 3.6 quarts per acre (1 to 1 1/2 tablespoons per gallon of water) when plants are 4 to 6 weeks old and repeat at 7 to 10 day intervals. Remove residue at harvest by washing thoroughly.

POTATOES (seed pieces): To control EARLY BLIGHT, LATE BLIGHT, BACTERIAL SPOT, and BACTERIAL LEAF SPOT, apply 2.4 to 3.6 quarts per acre (1 to 1 1/2 tablespoons per gallon of water) when plants are 4 to 6 weeks old and repeat at 7 to 10 day intervals.

PUMPKINS (8): To control ANTHRACNOSE, apply 2.4 to 3.6 quarts per acre (1 to 1 1/2 tablespoons per gallon of water) when plants are 4 to 6 weeks old and repeat at 7 to 10 day intervals.

SPEARMINT (8): To control DOWNY MILDEW, apply 2.4 to 3.6 quarts per acre (1 to 1 1/2 tablespoons per gallon of water) when plants are 4 to 6 weeks old and repeat at 7 to 10 day intervals.

SPINACH (10): To control DOWNY MILDEW, apply 2.4 to 3.6 quarts per acre (1 to 1 1/2 tablespoons per gallon of water) when plants are 4 to 6 weeks old and repeat at 7 to 10 day intervals.

TOMATOES (5): To control ANTHRACNOSE, EARLY and LATE BLIGHT, GRAY LEAF SPOT (Stemphylium) and SEPTORIA LEAF SPOT, begin spraying when first cluster fruits well formed and repeat at 7 to 10 day intervals. More frequent applications may be necessary starting when plants are set in fields if weather conditions favor disease (warm, wet or humid conditions for all diseases except late blight which is favored by cool, wet weather). Where ANTHRACNOSE is a serious problem on canning tomatoes, apply 4.8 quarts per acre (2 tablespoons per gallon of water).

FRUITS

Apply a sufficient volume of spray mixture to thoroughly wet the entire tree and developing fruit. Follow the specific directions for each crop. Consult your state agricultural experiment station or state extension service specialist for proper timing and number of applications for your area. The pre-harvest interval between last application and harvest is indicated by the number in parentheses following each crop.

APPLES (1): To control APPLE SCAB, BITTER ROT, BLACK ROT, BULLSEYE ROT, FLY SPECK, CEDAR APPLE RUST, SOOTY BLOTCH and WHITE ROT (Botrytis), apply 1.6 to 3.2 quarts per 100 gallons (2 to 4 tablespoons per 1 gallon) of water. For a protective schedule, begin applications in the pre-bloom sprays and repeat in subsequent pre-bloom, bloom and cover sprays in accordance with local and state spray schedules. Add Security Spreader/Sticker (2 fl. oz. per 100 gal. or 1/4 teaspoon per gallon) in the last three sprays to provide smooth even applications and to reduce spray sunburn residue deposits. Do not apply within 15 days of harvest in Arkansas, Delaware, Illinois, Indiana, Kansas, Kentucky, Maryland, Missouri, New Jersey, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia and West Virginia or within 30 days of harvest in all other states.

PEACHES (12), NECTARINES (14): To control PEACH LEAF CURCULIONID and SHOT HOLE fungus, apply dormant and pre-bloom sprays. For BROWN ROT, BLOSSOM BLIGHT, apply at pink bud and 25% to 75% full bloom. For SCAB, apply at pink bud, bloom, pre-harvest, harvest and in cover sprays at 7 to 14 days after harvest. Use 2.4 to 3.2 quarts per 100 gallons (2 to 4 tablespoons per 1 gallon) of water. 4 weeks before harvest or earlier if it is found on green fruit and repeat at 7 to 10 day intervals. Add Security Spreader/Sticker to the spray mixture (2 fl. oz. per 100 gallons or 1/4 teaspoon per gallon) if applied to peaches within 14 days of harvest. Remove residue by washing.

ORNAMENTALS

Apply a sufficient volume of spray mixture to thoroughly wet the entire plant. For each specific tree, shrub or plant, consult the label for the amount of spray mixture to apply. If not otherwise indicated, apply 1 1/2 to 2 1/2 gallons (6 to 10 quarts) per 100 gallons of water.

ASTERS: To control RUST and STEM ROT, begin spraying before or when disease first appears and repeat at 7 to 10 day intervals.

AZALEAS, CAMELLIAS: To control PETAL BLIGHTS, apply to lower and soil beneath plants, also to trunks of azaleas. Begin when flower buds swell. Repeat at 3 to 5 day intervals.

CANNONONS, PANSIES: To control ALTERNARIA BLIGHT or LEAF SPOT, ANTHRACNOSE and BITTER BLIGHT, begin spraying when new growth starts and repeat weekly.

DAHLIAS, IRIS, ZINNIAS: To control ALTERNARIA BLIGHT or LEAF SPOT, and BOTRYTIS BLIGHT, spray when new growth starts and repeat weekly.

DOGWOOD: To control ANTHRACNOSE, apply 1.6 to 2.4 quarts per 100 gallons (2 1/2 to 4 1/2 tablespoons per 1 gallon of water) and spray tree thoroughly. Begin when buds open. Repeat when bracts fall, 4 weeks later and a summer.

GERANIUM, HYDRANGEAS, LILIES: To control BOTRYTIS BLIGHT, begin spraying when new growth starts. Do not spray flowers or at the height of disease. Repeat at 7 to 10 day intervals.

GLADIOLUS: To control BOTRYTIS BLIGHT, CUPROUSIA and STEMPHYLIUM LEAF SPOT, begin when new growth starts and repeat weekly.

PEONIES: To control ALTERNARIA LEAF BLIGHT or SPOT, BOTRYTIS BLIGHT and PHYTOPHTHORA, begin spraying when new growth starts and repeat weekly.

ROSES: To control BLACK SPOT, SEPTORIA LEAF SPOT (Texas) and RUST (California), begin spraying when new growth starts and repeat at 7 to 10 day intervals.

SNAPDRAGONS: To control BACTERIAL BLIGHT, DOWNY MILDEW and RUST, apply sprays at time of emergence and repeat at 7 to 10 day intervals.

LAWNS

HOME LAWNS, RECREATIONAL AND COMMERCIAL (non-grazed) LAWN AREAS: Rates are in ounces per 1000 square feet of lawn area. Do not apply to any other lawn area.

To control ANTHRACNOSE, MOLLUSCS, MITE, GRASSHOPPER, M. and M. use 9.6 to 25.6 fl. oz. per 1000 sq. ft. of lawn area. To control BROWN SPOT, use 9.6 to 25.6 fl. oz. per 1000 sq. ft. of lawn area. Repeat at 7 to 10 day intervals. Do not apply to any other lawn area.

To control BROWN SPOT, use 9.6 to 25.6 fl. oz. per 1000 sq. ft. of lawn area. Repeat at 7 to 10 day intervals. Do not apply to any other lawn area.

DISPOSAL

Do not use this product in any way which would constitute a violation of any other laws which may apply. Do not use this product in any way which would constitute a violation of any other laws which may apply.

NET CONTENTS ONE FL. QUART
WOOLFOLK CHEMICAL WORKS, INC.

Manufacturers

Fort Valley, GA 31030