

4581-371

08/31/1999

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Please read instructions on reverse before completing form.

Form Approved OMB No. 2070-0080, Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

registration
Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 4581-371	2. EPA Product Manager 21	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Maneb 75DF Fungicide	PM# Waller	
5. Name and Address of Applicant (Include ZIP Code) Elf Atochem North America, Inc. 2000 Market Street, 21st Floor Philadelphia, PA 19103 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION**AUG 31 1999****Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification to add "First Aid", "Other" Ingredients, and new pest/disease name, delete several diseases.

I certify that this notification is consistent with the provisions of PR Notices 98-10, 97-6 and 95-2 and EPA regulations at 40 CFR 152.46. I understand that it is a violation of 18 USC Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notices 98-10, 97-6 and 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:					
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Christopher Davis		Title Registration Manager	
		Telephone No. (Include Area Code) 215-419-7147	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Oct 1 Application Received (Stamped)
2. Signature 		3. Title Registration Manager	
4. Typed Name Christopher Davis		5. Date 8/23/99	

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NOTIFICATION

AUG 31 1999

MANEB 75DF

DRY FLOWABLE FUNGICIDE

ACTIVE INGREDIENT:

Maneb (Manganese ethylenebisdithiocarbamate) 75.0%
(Equivalent to manganese metallic 16.5%)

OTHER INGREDIENTS:25.0%**TOTAL**100.0%

EPA Registration No. 4581-371

EPA Establishment No. 33910-HL-01

KEEP OUT OF REACH OF CHILDREN
CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

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.

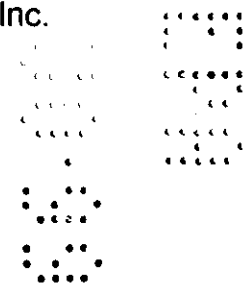
IF INHALED, remove victim to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. Get medical attention.

IF ON SKIN, immediately flush skin with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

See following pages for General Information, Directions for Use, and Chemigation Instructions. Do not apply this product through any irrigation system unless instructions are followed.

Net Contents _____

Elf Atochem North America, Inc.
Agchem Division
2000 Market Street
Philadelphia, PA 19103



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)
CAUTION**

HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist or dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Protective eyewear when mixing or loading
- Chemical-resistant apron when cleaning equipment, mixing or loading
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENTS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Human flaggers must be in enclosed cabs

The enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)]. The handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

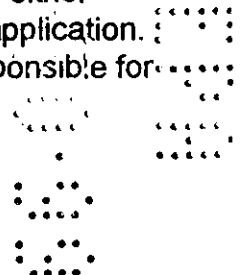
ENVIRONMENTAL HAZARDS

This pesticide 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, except as specified for the labeled use on cranberries. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.



AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

INSTRUCTIONS FOR APPLICATION

MANEB 75DF may be used as a spray 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.

MANEB 75DF is recommended for control of the diseases on the crops listed on the label.

SPRAYS:

Place MANEB 75DF into suspension prior to adding an adjuvant to the spray mixture. Read and carefully observe the precautionary statements and all other information appearing on product labels prior to spray preparation.

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

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 75DF per one gallon of water is equivalent to 1 1/2 to 2 pounds per 100 gallons.

FOR AIR APPLICATION, use at the rate indicated in sufficient water for thorough coverage, a minimum of 3 gallons per acre for field crops and 10 gallons per acre for orchard crops.

When dosage ranges are given, use the higher rate and shorter intervals under severe disease pressure, but do not exceed the maximum rate or apply more frequently than the minimum interval given in the directions for that crop.

Maximum Seasonal Poundage When Used In Conjunction With One or More Other EBDC Products

FOLIAR APPLICATIONS

Where EBDC Products Used Allow The Same Maximum Poundage of Active Ingredient Per Acre Per Season

If more than one product containing an EBDC active ingredient (maneb, mancozeb, or metiram) is used on a crop during the same growing season and the EBDC products

used allow the same maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed any one of the specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

Where EBDC Products Used Allow Different Maximum Poundage of Active Ingredient Per Acre Per Season

If more than one product containing an EBDC active ingredient is used on a crop during the same growing season and the EBDC products used allow different maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed the lowest specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

SEED TREATMENT

In addition to the maximum number of foliar applications permitted by the formula stated above, a single application for seed treatment may be made on crops which have registered seed treatment uses.

VEGETABLE CROP USES

CROPS	DISEASES	RATE LBS/ACRE	DIRECTIONS
Beans (Dry)	Anthrachnose Downy Mildew Rust	1.5-2.0	Begin when plants are small. Spray on a 5-7 day interval. Do not apply more than 9.6 lbs. active ingredient (12.8 lbs. product) per acre per season. Do not apply within 30 days of harvest
Broccoli, Brussels Sprouts, Cauliflower	Alternaria Leaf Spot Downy Mildew	1.5-2.0	Begin when disease threatens. Spray on a 7-10 day interval. Do not apply more than 9.6 lbs. active ingredient (12.8 lbs. product) per acre per season. Do not apply within 7 days of harvest.

Cabbage, Kohlrabi, Chinese Cabbage (tight- headed only)	Alternaria Leaf Spot Downy Mildew	1.5-2.0	Plant beds and direct seeded fields: Apply when disease threatens. Spray on a 7-10 day interval. Do not apply more than 9.6 lbs. active ingredient (12.8 lbs. product) per acre per season. Do not apply later than 7 days before harvest.
Chinese Cabbage (loose head)	Alternaria Leaf Spot Downy Mildew	1.0-1.5	Plant beds and direct seeded fields: Apply when disease threatens. Spray on a 7-10 day interval. Do not apply more than 7.2 lbs. active ingredient (9.6 lbs. product) per acre per season. Do not apply later than 7 days before harvest in California and 10 days before in Hawaii.
Collards (Georgia and Tennessee only)	Alternaria Leaf Spot Cercospora Leaf Spot Downy Mildew	1.6	Begin when disease threatens and apply on a 14 day interval. Do not use more than 4.8 lbs (3.6 lbs a.i.) per cutting. Do not apply within 14 days of harvest.

Sweet Corn, Popcorn, Sweet Corn used for seed production	Common Rust Helminthosporium Blight	1.5	<p>East of the Mississippi: (including Arkansas and Louisiana) Use sufficient water for thorough coverage. Start applications when disease first appears and repeat at 3-10 day intervals. Add a recommended surfactant or spreader/sticker if needed for better coverage. Do not apply within 7 days of harvest. Do not apply more than 18 lbs. active ingredient (24.0 lbs. product) per acre per season. Do not feed treated forage to livestock.</p>
		1.5	<p>West of the Mississippi: (except Arkansas and Louisiana) Use sufficient water for thorough coverage. Start applications when disease first appears at 3-10 day intervals. Add a recommended surfactant or spreader/sticker if needed for better coverage. Do not apply within 7 days of harvest. Do not apply more than 6.0 lbs. active ingredient (8.0 lbs. product) per acre per season. Do not feed treated forage to livestock.</p>
Cucumbers	Alternaria (Macrosporium) Leaf Spot Anthracnose Downy Mildew Pythium Fruit Rot	1.5-2.0	<p>Begin when disease threatens or plants begin to run. Spray on a 7-10 day interval. Do not apply more than 12.8 lbs. active ingredient (17.1 lbs. product) per acre per season. Do not apply within 5 days of harvest.</p>

Eggplant	Anthracnose Septoria Leaf Spot Cladosporium Leaf Mold Early Blight Late Blight Gray Leaf Spot (Stemphylium)	1.5-2.0	Begin at first fruit cluster and repeat at 7-10 day intervals. Do not apply more than 11.2 lbs. active ingredient (14.9 lbs. product) per acre per crop. Do not apply within 5 days of harvest.
Kale (Not For Use in California)	Alternaria Leaf Spot Downy Mildew	1.5-2.0	Begin when disease threatens and apply on a 7-10 day interval. Do not use more than 3.2 lbs. active ingredient (4.2 lbs. product) per cutting. Do not apply within 10 days of harvest.
Lettuce (Head and Leaf), Endive	Downy Mildew Anthracnose	1.5-2.0	Apply when disease appears. Spray on a 7-10 day interval. Do not apply more than 9.6 lbs. active ingredient (12.8 lbs. product) per acre per season. Do not apply within 10 days of harvest. Remove residues from head lettuce by stripping and trimming. California —Spray on a 7-10 day interval. Do not apply more than 6.4 lbs. active ingredient maximum (8.5 lbs. product) per acre per season. Do not apply within 14 days of harvest.
Melons including: cantaloupes, casabas, crenshaws, honeydews, watermelons	Alternaria Leaf Spot Anthracnose Cercospora Leaf Spot Downy Mildew Gummy Stem Blight	1.0-2.0	Apply as soon as plants begin to run or when disease threatens. Spray on a 7-10 day interval. Do not apply more than 12.8 lbs. active ingredient (17.1 lbs. product) per acre per season. Do not apply within 5 days of harvest.

Mustard Greens (Georgia and Tennessee only)	Alternaria Leaf Spot Cercospora Leaf Spot Downy Mildew	1.6	Begin when disease threatens and apply on a 14 day interval. Do not use more than 3.2 lbs (2.4 lbs a.i.) per cutting. Do not apply within 14 days of harvest.
Onions (Dry Bulb) including garlic	Botrytis Leaf Blight Downy Mildew Neck Rot Purple Blotch Rust	2.0-3.0	Begin applications when diseases are first reported in the area at 7-day intervals throughout the season. Do not apply within 7 days of harvest. Do not apply more than 24 lbs. active ingredient (32 lbs. product) per acre per season. Do not apply to exposed bulbs.
Onions (Green)	Botrytis Leaf Blight Downy Mildew Neck Rot Purple Blotch	2.0-3.0	Begin applications when diseases are first reported in the area at 7-day intervals throughout the season. Do not apply within 7 days of harvest. Do not apply more than 11.2 lbs. active ingredient (14.9 lbs. product) per acre per season. Do not apply to exposed bulbs.
Onions (Furrow Drench)	Smut	3.0	Apply as a furrow drench at time of planting onion seeds. Use 75 to 125 gallons of water per acre. Do not use more than 2.4 lbs. active ingredient (3.2 lbs. product) per 29,000 linear feet of row (18 inch spacing). Do not use in California.

Peppers	Anthracnose Cercospora Leaf Spot (Frogeye spot) Phytophthora Blight Ripe Rot	1.5-3.0	East of the Mississippi: Begin when disease threatens. Spray on a 7-10 day interval. Do not apply more than 14.4 lbs. active ingredient (19.2 lbs. product) per acre per season. Do not apply within 7 days of harvest.
		1.5-2.0	West of the Mississippi: Begin when disease threatens. Spray on a 7-10 day interval. Do not apply more than 9.6 lbs. active ingredient (12.8 lbs. product) per acre per season. Do not apply within 7 days of harvest.
Potatoes	Early Blight Late Blight	1.5-2.0	Begin when plants are 2 to 6 inches high. Apply on a 5-10 day interval. Do not apply more than 11.2 lbs. active ingredient (14.9 lbs. product) per acre per season. Do not apply within 14 days of harvest (except in Connecticut, Delaware, Florida, Maine, Massachusetts, Michigan, New Hampshire, New York, Ohio, Pennsylvania, Rhode Island, Vermont, Wisconsin when a 3 day PHI is allowed. It is recommended that this product be used with an Integrated Pest Management Program. Vine kill should occur 14 days before harvest.

Potatoes (Seed Pieces)	Fusarium Seed Piece Decay	1.0 lb. per 10 gal.	Seed piece treatment only. • Dip whole or cut tubers. Spread in cool place if held before planting. Do not use treated seed piece for food, feed, or oil purposes.
Pumpkins	Downy Mildew	1.5-2.0	Begin when disease threatens. Spray on a 7-10 day interval. Do not apply more than 12.8 lbs. active ingredient (17.1 lbs. product) per acre per season. Do not apply within 5 days of harvest.
Squash (Summer and Winter)	Anthrachnose Downy Mildew	1.5-2.0	Begin when plants start to run. Spray on a 7-10 day interval. Do not apply more than 12.8 lbs. active ingredient (17.1 lbs. product) per acre per season. Do not apply within 5 days of harvest.
Tomatoes (Green-house and Field)	Anthrachnose Septoria Leaf Spot Cladosporium Leaf Mold Early Blight Late Blight Gray Leaf Spot (Stemphylium)	1.5-3.0	East of the Mississippi: Begin at first fruit cluster and repeat on a 7-10 day interval. Do not apply within 5 days of harvest. Do not apply more than 16.8 lbs. active ingredient (22.4 lbs. product) per acre per crop.
		1.5-2.0	West of the Mississippi: Spray on a 7-10 day interval. Do not apply more than 6.4 lbs. active ingredient (8.5 lbs. product) per acre per season. Do not apply within 5 days of harvest.
Turnip Tops (Georgia and Tennessee only)	Alternaria Leaf Spot Cercospora Leaf Spot Downy Mildew	1.6	Apply when disease threatens. Do not use more than 1.6 lbs (1.2 lbs a.i.) per cutting. Do not apply within 14 days of harvest.

FIELD CROPS

CROPS	DISEASES	RATE LBS/ACRE	DIRECTIONS
Sugarbeets	Cercospora Leaf Spot	1.5-2.0	Apply when disease appears. Spray on a 7-10 day interval. Do not apply more than 11.2 lbs. active ingredient (1.94 lbs. product) per season. Do not apply within 14 days of harvest.

FRUIT AND NUT CROPS

CROPS	DISEASES	RATE LBS/ACRE	DIRECTIONS
FOR POME FRUITS Use either the "Pre-Bloom" or "Extended Application" schedules DO NOT COMBINE OR INTEGRATE THE TWO TREATMENT SCHEDULES.			
Apples	Rusts (including Cedar apple) Fabraea Leaf Spot Flyspeck Scab Sooty Blotch	6.0 or (1.5 lbs. per 100 gal. in a dilute spray)	PRE-BLOOM: Begin applications at 1/4 to 1/2 inch green tip and continue on a 7- to 10-day application schedule through bloom. Do not apply more than 19.2 lbs. active ingredient (25.6 lbs. product) per acre per year. Do not graze livestock in treated areas.

		3.0 or (.75 lbs. per 100 gal. in a dilute spray)	<p>EXTENDED APPLICATION • OR TANK MIX: For implementation of IPM programs, applications based on tree-row volume or for use as a resistance management tool: begin applications at 1/4 to 1/2 inch green tip and continue applications on a 7- to 10-day schedule through the second cover spray or to within 77 days of harvest. Do not apply within 77 days of harvest. Do not apply more than 16.8 lbs. active ingredient (22.4 lbs. product) per acre per year. Do not graze livestock in treated areas. It is recommended that this product be used in an Integrated Pest Management Program. Add spreader/sticker to spray mixture for cover sprays and tank mix with an effective systemic protectant/curative fungicide for more effective control of diseases.</p>
Almonds	Almond Leaf Rust Brown Rot Blossom and Twig Blight Scab Shot-hole Leaf Blight Anthracnose	6.0-8.0 or (1.5-2.0 lbs. per 100 gal. in a dilute spray)	Apply at popcorn, full bloom, and petal fall or every 7 to 10 days if bloom is staggered. Omit petal fall spray if only brown rot is present. Do not apply later than 5 weeks after petal fall or within 145 days of harvest. Do not apply more than 25.6 lbs. active ingredient (34.1 lbs. product) per acre per season. Do not allow livestock to graze in almond orchards.

Bananas	Sigatoka	2.0-3.0	Apply when leaves first appear and repeat as needed on a 14-21 day interval. Do not apply more than 24 lbs. active ingredient (32 lbs. product) per acre per season. May be applied up to the day of harvest.
Cranberries	Fruit Rot	4.8-6.0	Begin applications at mid-bloom and repeat at 7-10 day interval. Do not apply more than 14.4 lbs. active ingredient (19.2 lbs. product) per season. Do not apply within 30 days of harvest
Grapes	Black Rot Bunch Rot Phomopsis (Deadarm) Downy Mildew	1.5-4.0 or (0.375-1.0 lbs. per 100 gal. in a dilute spray)	East of the Rocky Mountains: Apply in sufficient water to provide thorough coverage starting when shoots are 1/2 to 1 1/2 inches long and continue at 7-10 day intervals until fruit is set. Do not apply within 66 days of harvest. Do not apply more than 19.2 lbs. active ingredient (25.6 lbs. product) per acre per season.
		1.5-2.5 or (0.375-0.63 lbs. per 100 gal. in a dilute spray)	West of the Rocky Mountains: Apply when shoots are 1/2 to 1 1/2 inches long and continue at 7-10 day intervals. Do not apply more than 6.0 lbs. active ingredient (8.0 lbs. product) per acre per season. Do not apply within 66 days of harvest except in California. California ---Do not apply after bloom.

Kadota figs (Not For Use in California)	Surface Mold (Cladosporium) Surface Rot (Alternaria)	0.75 lbs./100 gal.	Apply when disease threatens in 100-400 gallons of water acre. Do not apply more than 2.4 lbs. active ingredient (3.2 lbs. product) per acre per season. Do not apply within 10 days of harvest.
Papayas	Anthrachnose Phytophthora Fruit Rot Cercospora Black Spot	2.0-2.5 or (0.5-0.625 lbs. per 100 gal. in a dilute spray)	Apply when disease first threatens and 14-21 day intervals. Do not apply more than 28 lbs. active ingredient per season (37 lbs. product). May be applied up to the day of harvest.

COMMERCIAL ORNAMENTAL CROP USES**(NOT FOR HOMEGARDEN USE)****DO NOT USE ANY OF THESE CROPS FOR FOOD OR FEED PURPOSES**

CROPS	DISEASES	RATE LBS/100 GAL	DIRECTIONS
Carnations	Alternaria Leaf Spot Anthrachnose Botrytis Blight	1.0-1.5	Begin when new growth starts. Repeat weekly.
Chrysanthemums	Ascochyta Ray Blight Botrytis Petal Spot Septoria Leaf Spot	0.5 lbs. or 227 grams	Apply twice weekly during the blooming season for Petal Spot and Ray Blight. For Septoria Leaf Spot apply weekly throughout the season.
Dahlias	Alternaria Leaf Spot Botrytis Blight	1.0-1.5	Begin when new growth starts. Repeat weekly.
Dogwood	Anthrachnose	1.0-1.5	Begin when buds open. Repeat when bracts fall 4 weeks later and in late summer.
Gladiolus	Botrytis Blight Curvularia and Stemphylium Leaf Spots	1.5	Begin when flower spikes are developing. Repeat 2 to 3 times at weekly intervals.

Grasses Do not use on pasture or range grasses. Do not feed clippings to livestock. Do not use if grass is grown for seed.	Brown Patch	0.2 lbs. or 90 grams	Begin at first sign of disease.* Repeat at 7-to 14-day intervals.
	Dollar Spot	0.4-0.5 lbs. or 170-227 grams	Apply as for Brown Patch, above.
	Melting-Out	0.2-0.3 lbs. or 85-113 grams	Apply as for Brown Patch, above.
	Leaf, Stem and Stripe Rusts	3.0	Begin when rust pustules are first seen. Repeat at 7- to 14-day intervals. Do not graze treated areas. Do not feed clippings to livestock.
Lillies	Botrytis Blight	1.0-1.5	Begin with new growth. Repeat weekly.
Pansies	Anthrachnose	1.0-1.5	Begin with new growth. Repeat weekly.
Peonies	Alternaria Leaf Spot Botrytis Blight Phytophthora Blight	1.0-1.5	Apply to foliage and soil in early spring and early fall and 7- to 10-day intervals during the growing season.
Roses	Black Spot Cercospora Leaf Spot Rust	1.0-1.5	Begin when first leaves unfold. Repeat at 7- to 10-day intervals. For Aerial Application: use 1.0 to 1.5 lbs. product in a minimum of 3 gallons spray solution per acre.
Snap-dragons	Rust	1.0-1.5	Begin with emergence. Repeat weekly.
Zinnias	Alternaria Blight Leaf Spot Botrytis Blight	1.0-1.5	Begin with emergence. Repeat weekly.

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

Apply this product only through sprinkler irrigation systems including center pivot, lateral 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 injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you have any questions about calibration, you should contact State Extension Service specialists, equipment 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 water system. Public water system means a system for the provision of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

SYSTEM REQUIREMENTS

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

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 tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

INSTRUCTIONS FOR SPRINKLER (OVERHEAD) IRRIGATION:

Observe the requirements in the System Requirements section.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Apply Maneb 75DF only through systems containing anti-syphon and check valves designed to prevent water source contamination or overflow of the mix tank and containing interlocking controls between the metering device and the water pump to insure simultaneous shut-off.

Maintain a gentle continuous agitation in mix tank during mixing and application to assure a uniform suspension.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time.

Application of more than recommended quantities of irrigation water per acre may result in decreased product performance.

Do not apply when wind speed 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 dismantled and drained. In a center pivot system, block the nozzle set nearest the well/pivot/injection unit to prevent spray being applied to this area.

Where sprinkler distribution patterns do not overlap sufficiently, unacceptable disease control may result.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water.

Maneb 75DF may be applied in conjunction with chemically neutral liquid fertilizers. Application in conjunction with highly alkaline fertilizers, such as aqueous ammonia, may cause a degradation of the pesticide, 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 foreign matter from the chemical tank and entire injector system. Flush with clean water.

Prepare a suspension of Maneb 75DF in a mix tank. Fill the tank with 1/2 or 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of Maneb 75DF and then the remaining volume of water.

APPLICATION INSTRUCTIONS:

Set sprinkler system to deliver 0.1 to 1.25 inches of water per acre. Volumes of water higher than this may reduce efficacy. Start sprinkler and then uniformly inject the suspension of Maneb 75DF into the irrigation water line so as to deliver the desired rate per acre. The suspension of Maneb 75DF should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing.

NOTE: When treatment with Maneb 75DF has been completed, do not irrigate the treated area for 24 to 48 hours to prevent washing the chemical off the crop.

STORAGE AND 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 a 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 bag in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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