

PM 21 19713-379

10/2/95



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
19713-379

Date of Issuance:
9/8/95

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
Ida, Inc. Manzeb 80W

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Drexel Chemical Co.
P. O. Box 9306
Memphis, TN 38190-0306

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following labeling change before you release the product for shipment:
 - Add the phrase: "EPA Registration Number 19713-379."
 - Under "Foliar Applications" revise the last phrase in the first paragraph to read: "then the total poundage.... must not exceed any of the specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre."

Signature of Approving Official:

Carrie B. Welch

Date:

9/8/95

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3. Submit five copies of the final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

ACCEPTED
with COMMENTS
In EPA Letter Dated

SEP 08 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended for the pesticide
registered under EPA Reg. No.
19713-377

IDA, INC. MANEB 80W
FUNGICIDE

ACTIVE INGREDIENT:

Maneb (Manganese ethylenebisdithiocarbamate)..... 80.0%
(Equivalent to manganese 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: 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 Reg. No.: 19713-
EPA Est. No.: 19713-

Manufactured By:
Drexel Chemical Company
P.O. Box 13327
Memphis, TN 38113-0327

PRECAUTIONARY STATEMENTS

Hazard 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. Do not rub eyes or mouth with hands.

PERSONAL PROTECTIVE EQUIPMENT:

Applicators and other handlers (other than mixers and loaders) must wear:

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

Mixers and Loaders must wear:

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

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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 statement

When handlers use enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 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 product is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. For terrestrial uses do not apply directly to water or 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 strawberries. Do not contaminate water when disposing of equipment washwaters.

**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.

SYSTEMS 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 pesticide and capable of being fitted with a system interlock.

INSTRUCTIONS FOR SPRINKLER (OVERHEAD) IRRIGATION:

Observe the requirements in the System Requirements section above.

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

Apply MANEB 80W only through systems containing anti-syphom and check valves designed to prevent water source contamination or overflow of the mix tank and containing

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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 fitting 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 80W 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 80W in a mix tank. Fill with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of MANEB 80W and then the remaining volume of water.

APPLICATION INSTRUCTIONS

Set sprinkler system to deliver 0.1 to 1.25 inches of water per acre. Volume of water \uparrow than this may reduce efficacy.

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Start sprinkler and then uniformly inject the suspension of MANEB 80W into the irrigation water line so as to deliver the desired rate per acre. The suspension of MANEB 80W 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 80W has been completed, do not irrigate the treated area for 24 to 48 hours to prevent washing the chemical off the crop.

GENERAL INFORMATION

MANEB 80W 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.

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 and Shoes plus socks.

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NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The Worker Protection Standard applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep unprotected persons, children, livestock and pets away from treated areas or where there is danger of drift.

INSTRUCTIONS FOR APPLICATION

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

SPRAYS:

Place MANEB 80W 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 80W per 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 3 gallons per acre for field crops and 10 gallons per acre for orchard crops.

When dosage rates 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.

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 of the specified individual per acre.

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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.

Human flaggers are prohibited unless in totally enclosed vehicles.

VEGETABLE CROP USES

CROPS	DISEASES	RATE LBS/A	DIRECTIONS
Beans (Dry)	Anthracoese, Downy Mildew, Rust	1.5 - 2.0	Begin when plants are small. Spray on a 5-7 day interval. Do not apply more than 91.6 lbs. active ingredient (12 lbs. product) per acre per season. Do not apply within 30 days of harvest.
Broccoli Brussel 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 lbs. product) per acre per season. Do not apply within 7 days of harvest.
Cabbage Kohlrabi Chinese Cabbage (tightheaded 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 lbs. product) per acre per season. Do not apply later than 7 days before harvest.
Chinese Cabbage (loose head, California and Hawaii only)	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 lbs. product) per acre per season. Do not apply later than 7 days before harvest in CA and 10 days in HI.
Sweet Corn Pop Corn Sweet Corn Seed used for Seed Production	Common Rust, Helminthosporium Blight	1.5	East of the MS - (including AR & LA) 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 (22.5 lbs. product) per acre per season. Do not feed treated forage to livestock. West of the MS - (except AR & LA) 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 5.0 lbs. active ingredient (7.5 lbs. product) per acre per season. Do not feed treated forage to livestock.
Cucumbers	Alternaria (Macrosporium) Leaf Spot, Anthracnose, Downy Mildew, Pythium Fruit Rot	1.5 - 2.0	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 (16 lbs. product) per acre per season. Do not apply within 5 days of harvest.
Eggplant	Anthracoese, 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 lbs. product) per acre per crop. Do not apply within 5 days of harvest.
Kale	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 lbs. product) per cutting. Do not apply within 10 days of harvest.
Lettuce (Head and Leaf) Endive	Downy Mildew	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 lbs. product) per acre per season. Do not apply within 10 days of harvest. Remove residues from head lettuce by stripping and trimming. California--Do not apply more than 6.4 lbs. active ingredient maximum (8 lbs. product) per acre per season. Do not apply within 14 days of harvest.

VEGETABLE CROP USES (CONTINUED)

CROPS	DISEASES	RATE LBS/A	DIRECTIONS
Meirons cantaloupes, casabas, crenshawe, 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 (16 lbs. product) per acre per season. Do not apply within 5 days of harvest.
Onions (Dry Bulb)	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 24 lbs. active ingredient (30 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 16.8 lbs. active ingredient (21 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 75-125 gallons of water per acre. Do not use more than 2.4 lbs. active ingredient (3 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 MS: Begin when disease threatens. Spray on a 7-10 day interval. Do not apply more than 14.4 lbs. active ingredient (18 lbs. product) per acre per season. Do not apply within 7 days of harvest.
		1.5 - 2.0	West of the MS: Begin when disease threatens. Spray on a 7-10 day interval. Do not apply more than 9.6 lbs. active ingredient (12 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 lbs. product) per acre per season. Do not apply within 14 days of harvest except for: CT, DE, FL, ME, MA, MI, NH, NY, OH, PA, RI, VT, WI where their PHI is 3 days. 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 lbs. 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	Angular Leaf Spot, 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 (16 lbs. product) per acre per season. Do not apply within 5 days of harvest.
Squash (Summer and Winter)	Anthracnose, 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 (16 lbs. product) per acre per season. Do not apply within 5 days of harvest.
Tomatoes (Greenhouse and Field)	Anthracnose, Septoria Leaf Spot, Cladosporium Leaf Mold, Early Blight, Late Blight, Gray Leaf Spot (Stemphylium)	1.5 - 3.0	East of the MS: 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 (21 lbs. product) per acre per crop.
		1.5 - 2.0	West of the MS: Spray on a 7-10 day interval. Do not apply within 5 days of harvest. Do not apply more than 6.4 lbs. active ingredient (8 lbs. product) per acre per crop.

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FRUIT AND NUT CROPS

CROPS	DISEASES	RATE LBS/A	DIRECTIONS
<p>FOR POME FRUITS: Use either the 'Pre-Bloom' or 'Extended Application' schedules DO NOT COMBINE OR INTEGRATE THE TWO TREATMENT SCHEDULES</p>			
Apples	Rusts (Including Cedar Apple), Fabrea Leaf Spot, Flyspeck, Scab, Sooty Blotch	6.0 or (1.5 lbs. per 100 gal. in dilute spray)	PRE-BLOOM: Begin application at ¼ to ½ inch green top and top and continue on a 7-10 day application schedule through bloom. Do not apply more than 19.2 lbs. active ingredient (24 lbs. product) per acre per year. Do not graze livestock in treated areas.
		3.0 or (.75 lbs. per 100 gal. in dilute spray)	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 ¼ to ½ inch green tip and continue applications on a 7-10 day application schedule through the second cover spray or to within 77 days of harvest. Do not apply more than 16.8 lbs. active ingredient (21 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.
Almonds	Brown Rot: (Blossom and Twig Blight), Scab, Shot-hole Fungus (Leaf Blight)	6.0 - 8.0 or (1.5 - 2.0 lbs. per 100 gal. in dilute spray)	Apply at popcorn, full bloom, and petal fall or every 7-10 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 (32 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 (30 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. (18 lbs. product) per season. Do not apply within 30 days of harvest.
Grapes	Black Rot, Bunch Rot, Deadarm, Downy Mildew	1.5 - 4.0 or (.375 - 1.0 lbs. per 100 gal. in dilute spray)	East of the Rocky Mountains: Apply in sufficient water to provide thorough coverage starting when shoots are ½ to 1½ 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 (24 lbs. product) per acre per season.
		1.5 - 2.5 or (.375 - .83 lbs. per 100 gal. in dilute spray)	West of the Rocky Mountains: Apply when shoots are ½ to 1½ inches long and continue at 7-10 day intervals. Do not apply more than 6.0 lbs. active ingredient (7.5 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	Surface Mold (Cladosporium), Surface Rot (Alternaria)	0.75 lbs./100 gals.	Apply when disease threatens in 100-400 gallons of water per acre. Do not apply more than 2.4 lbs. active ingredient (3.0 lbs. product) per acre per season. Do not apply within 10 days of harvest.
Papayas	Anthracnose, Phytophthora Fruit Rot, Cercospora Black Spot	2.0 - 2.5 or (.5 - .625 lbs. per 100 gal. in dilute spray)	Apply when disease first threatens and 14-21 day intervals. Do not apply more than 28 lbs. active ingredient per season (35 lbs. product). May be applied up to the day of harvest.
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 (14 lbs. product) per acre per season. Do not apply within 14 days of harvest

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

CROPS	DISEASES	RATE LBS/A	DIRECTIONS
Carnations	Alternaria Leaf Spot, Anthracnose, Botrytis Blight	1.0 - 1.5	Begin when new growth starts. Repeat weekly.
Chrysanthemums	Asochyta Ray Blight, Botrytis Petal Spot, Septoria Leaf Spot	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	Anthracnose	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 7-14 day intervals.
	Dollar Spot	0.4-0.5 lbs. or 170-227 grams	
	Melting-Out	0.2-0.3 lbs. or 85-113 grams	
	Leaf, Stem and Stripe Rusts	3.0	Begin when rust pustules are first seen. Repeat at 7-14 day intervals. Do not graze treated areas.
Lillies	Botrytis Blight	1.0 - 1.5	Begin with new growth. Repeat weekly.
Pansies	Anthracnose	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 7-10 day intervals during the growing season.
Roses	Black Spot, Cercospora Leaf Spot (TX), Rust (CA)	1.0 - 1.5	Begin when first leaves unfold. Repeat at 7-10 day intervals. For Aerial Application, use 1.0 - 1.5 lbs. product in a minimum of 3 gallons spray solution per acre.
Snapdragons	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.