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 U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460	EPA Reg. Number: 34704-740	Date of Issuance: SEP 9 1993
	NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)	
		Term of Issuance: Conditional
		Name of Pesticide Product: Maneb 4 Flowable
Name and Address of Registrant (include ZIP Code): Platte Chemical Company 150 S. Main Street Freemont, NE 68025		
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. Revise the label by adding the phrase "EPA Registration No. 34704-740". You may also revise the list of states in which a three day harvest interval is permitted for potatoes by adding Delaware, Michigan, Ohio, and Rhode Island.		
3. Submit five copies of the final printed label for the record.		
4. Note that this acceptance of your label does not relieve you of your obligation to comply with the Worker Protection Standard (WPS). If any of your products are covered by the WPS,		
H7505C:J.Fairfax:34704-740:9/9/93		
Signature of Approving Official: col	Date: SEP 9 1993	

you are required to submit, and receive the Agency's approval by April 21, 1994, of a revised label reflecting the required label statements of 40 CFR 156, published in the FEDERAL REGISTER on August 21, 1992 (57 FR 38102). Further guidance will be issued. According to 40 CFR 156, subpart K, specifically §156.200(c)(3): "No product to which this subpart applies shall be distributed or sold without amended labeling by any registrant after April 21, 1994." Should you have questions regarding the WPS, call 1-800-777-2185.

5. You must submit Acute Toxicity data and specific Product Chemistry data within eight (8) months of the issuance of this registration.

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.

Sincerely yours,

Clarence O. Lewis, III
Acting Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

BEST AVAILABLE COPY

in EPA Letter Dated:

SEP 09 1993



MANEB 4 FLOWABLE WITH ZINC

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

34704-740

ACTIVE INGREDIENT:	
Maneb (manganese ethylenebisdithiocarbamate)	37.0%
(equivalent to manganese metallic 7.6%)	
INERT INGREDIENTS:	63.0%
TOTAL	
	100.0%
This product contains 4 pounds maneb per gallon.	
Total Zinc as metallic	1.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

PRODUCT INFORMATION

CLEAN CROP MANEB 4 FLOWABLE, a liquid suspension of Maneb, is a new concept in fungicides. Particle size is much smaller than wettable powders plus it has wetting and sticking agents. These factors give superior fungus control over wettable powders.

See Below For Additional Precautionary Statements.

NET CONTENTS 2 1/2 U.S. GALLONS

EPA REG. NO. 34704-

32029

EPA EST. NO.

EXP 08/93

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.

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.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, except as specified for the labeled use on cranberries, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

GENERAL INFORMATION

After sprays have dried, do not enter or allow entry into treated areas or areas where there is a danger of drift until the 24-hour reentry interval has expired unless wearing the personal protective equipment listed on the label.

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

Do not rub eyes or mouth with hands. See First Aid (Practical Treatment Section).

DIRECTIONS FOR USE

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

WORKER SAFETY RULES

HANDLERS (MIXERS, LOADERS, AND APPLICATORS) AND EARLY REENTRY WORKERS MUST WEAR THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT: coveralls over long-sleeved shirt and long pants, shoes, socks, and chemical-resistant gloves. During mixing

and loading, a chemical-resistant apron and goggles or a face shield must also be worn. For agricultural workers, where completely enclosed cabs with positive pressure filtration or an enclosed cockpit for aerial application are used, a long-sleeved shirt and long pants may be worn in place of the protective clothing described above. Chemical-resistant gloves must be available in the cab or cockpit and worn while editing. The gloves must be kept in an enclosed container in the cab or cockpit to prevent contamination of the inside of the cab or cockpit.

IMPORTANT! Before removing gloves, wash them with soap and water. Always wash hands, face, and arms with soap and water before eating, smoking or drinking.

Always wash hands and arms with soap and water before using the toilet. After work take off all clothes and shoes. Shower using soap and water. Wear only clean clothes. Do not use contaminated clothing. Wash protective clothing and protective equipment with soap and water after each use. Personal clothing worn during use must be laundered separately from household articles. Clothing and protective equipment drenched with maneb must be destroyed according to state and local regulations. DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.

During aerial application, human flaggers are prohibited unless in totally enclosed vehicles.

REENTRY STATEMENT

Written or oral warnings must be given to workers who are expected to be in a treated area or 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 Zinc on (date of application). Do not enter without protective clothing within 24 hours after application.

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.

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.

If this product is used on a crop, no other product containing a different EBDC active ingredient may be used on the same crop during the same growing season.

CHEMIGATION:

Refer to supplemental labeling entitled "APPLICATION THROUGH IRRIGATION SYSTEMS—CHEMIGATION" for use directions for chemigation. Do not apply this product through any irrigation systems unless the supplemental labeling on chemigation is followed.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly.

STORAGE: Store in safe manner. Store in original container only. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a secondary landfill, or by other procedures approved by state and local authorities.

MANEB 4 FLOWABLE WITH ZINC

EPA REG. NO. 34704-

FRUIT AND NUT CROP USES

4046

CROPS	DISEASES	RATE QTS./ACRE	DIRECTIONS
FOR SOME FRUITS Use either the "Pre-Bloom" or "Extended Application" schedules. DO NOT COMBINE OR INTEGRATE THE TWO TREATMENT SCHEDULES.			
Apples	Rusts (including Cedar apple), Fire-blast, Leaf Spot, Flyspeck, Scab, Sooty Blotch	4.8 or (1.2 qts. per 100 gals. in 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 (19.2 qts. product) per acre per year. Do not graze livestock in treated areas.
		2.4 or (0.6 qts. per 100 gals. 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 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 14.8 lbs. active ingredient (14.8 qts. 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/fertilizer 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)	4.8 - 6.4 or (1.2 - 1.6 qts. per 100 gals. in a dilute spray)	Apply at petal-fall, 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 146 days of harvest. Do not apply more than 25.6 lbs. active ingredient (25.6 qts. product) per acre per season. Do not allow livestock to graze in almond orchards.
Bananas	Sigatoka	1.6 - 2.4	Apply when leaves first appear and repeat as needed on a 14-21 day interval. Do not apply more than 24 lbs. active ingredient (24 qts. product) per acre per season. May be applied up to the day of harvest.
Cranberries	Fruit Rot	3.8 - 4.8	Begin applications at mid-bloom and repeat at 7-10 day interval. Do not apply more than 14.4 lbs. active ingredient (14.4 qts. product) per season. Do not apply within 30 days of harvest.
Grapes	Black Rot, Bunch Rot, Downy Mildew	1.2 - 3.2 or (0.3 - 0.8 qts. per 100 gals. 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 (19.2 qts. product) per acre per season.
		1.2 - 2.0 or (0.3 - 0.5 qts. per 100 gals. 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 (6.0 qts. product) per acre per season. Do not apply within 66 days of harvest except in California. California— Do not apply after bloom.
Kidney Beans	Surface Mold (Cladosporium), Surface Rot (Alternaria)	0.8 qts./100 gals.	Apply when disease threatens in 100-400 gallons of water acre. Do not apply more than 2.4 lbs. active ingredient (2.4 qts. product) per acre per season. Do not apply within 10 days of harvest.
Papayas	Anthracnose, Phytophthora Fruit Rot, Cercospora Black Spot	1.6 - 2.0 or (0.4 - 0.5 qts. per 100 gals. 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 (28 qts. product). May be applied up to the day of harvest.
VEGETABLE CROP USES			
Beans (Dry)	Anthracnose, Downy Mildew, Rust	1.2 - 1.6	Begin when plants are small. Spray on a 5-7 day interval. Do not apply more than 9.6 lbs. active ingredient (9.6 qts. product) per acre per season. Do not apply within 30 days of harvest.
Broccoli, Brussels Sprouts, Cauliflower	Alternaria Leaf Spot, Downy Mildew	1.2 - 1.6	Begin when disease threatens. Spray on a 7-10 day interval. Do not apply more than 9.6 lbs. active ingredient (9.6 qts. 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	1.2 - 1.6	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 (9.6 qts. 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	0.8 - 1.2	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 (7.2 qts. product) per acre per season. Do not apply later than 7 days before harvest in California and 10 days before in Hawaii.
Sweet Corn, Popcorn, Sweet Corn used for seed production	Common Rust, Helminthosporium Blight	1.2	East of the Mississippi (including Arkansas & 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/fertilizer if needed for better coverage. Do not apply within 7 days of harvest. Do not apply more than 18 lbs. active ingredient (18 qts. product) per acre per season. Do not feed treated forage to livestock.
		1.2	West of the Mississippi (except Arkansas & Louisiana): Use sufficient water for thorough coverage. Start applications when disease first appears at 3-10 day intervals. Add a recommended surfactant or spreader/fertilizer if needed for better coverage. Do not apply within 7 days of harvest. Do not apply more than 6.0 lbs. active ingredient (6.0 qts. product) per acre per season. Do not feed treated forage to livestock.
Cucumbers	Alternaria (Microsporium) Leaf Spot, Angular Leaf Spot, Anthracnose, Downy Mildew, Pythium Fruit Rot	1.2 - 1.6	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 (12.8 qts. product) per acre per season. Do not apply within 5 days of harvest.
Eggplant	Anthracnose, Septoria Leaf Spot, Cladosporium Leaf Mold, Early Blight, Late Blight, Gray Leaf Spot (Stemphylium)	1.2 - 1.6	Begin at first fruit cluster and repeat at 7-10 day intervals. Do not apply more than 11.2 lbs. active ingredient (11.2 qts. product) per acre per crop. Do not apply within 5 days of harvest.
Kale	Alternaria Leaf Spot, Downy Mildew	1.2 - 1.6	Begin when disease threatens and on a 7-10 day interval. Do not apply more than 3.2 lbs. active ingredient (3.2 qts. product) per cutting. Do not apply within 10 days of harvest.
Lettuce (Head and Leaf), Endive	Downy Mildew	1.2 - 1.6	Apply when disease appears. Spray on a 7-10 day interval. Do not apply more than 9.6 lbs. active ingredient (9.6 qts. product) per acre per season. Do not apply within 10 days of harvest. Remove residue from head lettuce by stripping and binning. California— Spray on a 7-10 day interval. Do not apply more than 6.4 lbs. active ingredient maximum (6.4 qts. product) per acre per season. Do not apply within 14 days of harvest.
Melons including: cantaloupe, casaba, crochons, honeydew, watermelon	Alternaria Leaf Spot, Anthracnose, Cercospora Leaf Spot, Downy Mildew, Gummy Stem Blight	1.2 - 1.6	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 (12.8 qts. 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	1.6 - 2.4	Begin applications when disease 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 (24 qts. product) per acre per season. Do not apply to exposed bulbs.

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MANEB 4 FLOWABLE WITH ZINC

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CROPS	DISEASES	RATE GTS./ACRE	DIRECTIONS
Onions (Green)	Botrytis Leaf Blight, Downy Mildew, Neck Rot, Purple Blotch	1.6 - 2.4	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 (16.8 qts. product) per acre per season. Do not apply to exposed bulbs.
(Furrow Drench)	Smut	2.4	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 (2.4 qts. product) per 20,000 linear feet of row (18 inch spacing). Do not use in California.
Peppers	Anthracnose, Cercospora Leaf Spot, (Frog-eye spot), Phytophthora Blight, Ripe Rot	1.2 - 2.4	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 (14.4 qts. product) per acre per season. Do not apply within 7 days of harvest.
		1.2 - 1.6	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 (9.6 qts. product) per acre per season. Do not apply within 7 days of harvest.
Potatoes	Early Blight, Late Blight	1.2 - 1.6	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 (11.2 qts. product) per acre per season. Do not apply within 14 days of harvest except for: Florida, Connecticut, Maine, Massachusetts, New Hampshire, New York, Pennsylvania, Vermont, Wisconsin where the 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	0.8 qt. per 10 gals.	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	1.2 - 1.6	Begin when disease threatens. Spray on a 7-10 day interval. Do not apply more than 12.8 lbs. active ingredient (12.8 qts. product) per acre per season. Do not apply within 5 days of harvest.
Squash (Summer and Winter)	Anthracnose, Downy Mildew	1.2 - 1.6	Begin when plants start to run. Spray on a 7-10 day interval. Do not apply more than 12.8 lbs. active ingredient (12.8 qts. 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)	1.2 - 2.4	East of 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 (16.8 qts. product) per acre per crop.
		1.2 - 1.6	West of the Mississippi: Spray on a 7-10 day interval. Do not apply more than 6.4 lbs. active ingredient (6.4 qts. product) per acre per season. Do not apply within 5 days of harvest.

AGRICULTURAL FIELD CROP USES

Sugar Beets	Cercospora Leaf Spot	1.2 - 1.6	Apply when disease appears. Spray on a 7-10 day interval. Do not apply more than 11.2 lbs. active ingredient (11.2 qts. product) per season. Do not apply within 14 days of harvest.
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COMMERCIAL ORNAMENTAL CROP USES

(NOT FOR HOMEGARDEN USE)

DO NOT USE ANY OF THESE CROPS FOR FOOD OR FEED PURPOSES

CROP	DISEASES	RATE QT. 100 GALS.	REMARKS
Carnations	Alternaria Leaf Spot Anthracnose Botrytis Blight	0.8 to 1.2	Begin when new growth starts. Repeat weekly.
Chrysanthemums	Aecochyta Ray Blight Botrytis Petal Spot Septoria Leaf Spot	12.8 fl. oz. PLUS Captan 50W ¼ lb. per 100 gals. water	Apply twice weekly during the blooming season for Petal Spot and Ray Blight. For Septoria Leaf Spot apply weekly throughout the season.
Delibes	Alternaria Leaf Spot Botrytis Blight	0.8 to 1.2	Begin when new growth starts. Repeat weekly.
Dogwood	Anthracnose	0.8 to 1.2	Begin when buds open. Repeat when bracts fall 4 weeks later and in later summer.
Gladiolus	Botrytis Blight Curvularia and Stemphylium Leaf Spots	1.2	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	4.8 fl. oz. in sufficient water/1000 sq. ft.	Begin at first sign of disease. Repeat at 7- to 14-day intervals.
	Dollar Spot	9.6 to 12.8 fl. oz. in sufficient water/1000 sq. ft.	Apply as for Brown Patch, above.
	Melting-Out	4.8 to 6.4 fl. oz. in sufficient water/1000 sq. ft.	Apply as for Brown Patch above.
	Leaf, Stem and Stripe Rusts	2.4	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.
Lilies	Botrytis Blight	0.8 to 1.2	Begin with new growth. Repeat weekly.
Pansies	Anthracnose	0.8 to 1.2	Begin with new growth. Repeat weekly.
Peonies	Alternaria Leaf Spot Botrytis Blight Phytophthora Blight	0.8 to 1.2	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 (Rosa), Rust (California)	0.8 to 1.2	Begin when first leaves unfold. Repeat at 7- to 10-day intervals.
Snapdragons	Rust	0.8 to 1.2	Begin with emergence. Repeat weekly.
Zinnias	Alternaria Blight, Leaf Spot, Botrytis Blight	0.8 to 1.2	Begin with emergence. Repeat weekly.

NOTICE

Please warrant that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of the product. Crop injury, partial defoliation, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Platte. In no case shall Platte be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. Platte makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

FORMULATED FOR

PLATTE CHEMICAL CO.

150 SO. MAIN STREET

FREMONT, NEBRASKA 68025

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APPLICATION THROUGH IRRIGATION SYSTEMS—CHEMIGATION



MANEB 4 FLOWABLE WITH ZINC

EPA REG. NO. 34704-

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**CHEMIGATION
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 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 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 if a 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 above.

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

Apply this product only through systems containing anti-siphon 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 during 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.

This product 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 this product 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 this product 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 higher than this may reduce efficacy. Start sprinkler and uniformly inject the suspension of this product into the irrigation water line so as to deliver the desired rate per acre. The suspension of this product 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 this product has been completed, do not irrigate the treated area for 24 to 48 hours to prevent washing the chemical off the crop.

ALL APPLICABLE RESTRICTIONS, PRECAUTIONS AND DIRECTIONS ON THE EPA REGISTERED LABEL MUST BE FOLLOWED.

FORMULATED FOR
PLATTE CHEMICAL CO.
150 SO. MAIN STREET FREMONT, NE 68025

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