UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUN 1 1993

Gary R. Sandberg Senior Registration Specialist Agrichemicals Division Elf Atochem North America, Inc. Three Parkway Philadelphia, PA 19102

| S 436176 | 300 | |
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| 9 183 683 | 13 | |

Subject: Labeling Amendment

Maneb 80

EPA Reg. No. 4581-255

Your Application Dated December 14, 1992

Dear Mr. Sandberg:

Thank you for your submission, in which you proposed to amend the cited product labeling to include instructions for the aerial application of the product to roses; and to add Delaware, Michigan, Ohio, and Rhode Island to the list of states allowed a minimum three-day pre-harvest interval for potatoes.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comment listed below. A stamped copy of the labeling is enclosed for your records. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

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 this standard, you are required to submit, and receive the Agency's approval by April 21, 1994, 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." Please call 1-(800) 777-2185 if you have any labeling questions regarding the Worker Protection Standard.

| CONCURRENCES | | | | | | |
|-------------------------|----------------------------|---|--|--|--|--|
| STAZOL # 1505C H75 | 95 C | | | | | |
| SURNAME DE CENWAY C. A | EURI | * ************************************* | | | | |
| DATE \$ 5/27/93 6/ | 193 | | | | | |
| EPA Form 1320-1A (1/90) | Pointed on Recorded Record | OFFICIAL FILE COPY | | | | |

Please contact Julie Fairfax, of my staff, should you r ve any questions regarding this letter. Ms. Fairfax may be reached by calling (703) 305-7390.

Sincerely yours,

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

Enclosure

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J

3041

elf atochem

PROPOSED LABEL

46/N | 1993

Under the percent of Actus amended, for the pesticide registered under LPA Reg. No.

with COMMENTS in EP Letter Dated:

4581-255



FUNGICIDE

| ACTIVE INGREDIENT: | |
|--|-------|
| Maneb (Manganese ethylenebisdithiocarbamate) | 80.0% |
| (Equivalent to manganese metallic 16.5%) | |
| INERT INGREDIENTS: | 20.0% |
| TOTAL | 100% |

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.

See Inside Panel for Additional Precautionary Statements

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

EPA Registration No. 4581-255

EPA Establishment No. 33910-HL-01

Net Weight 50 Lbs. (22.68 kg)

BEST AVAILABLE COPY

Sold by:

ELF ATOCHEM NORTH AMERICA, INC.—AGCHEM DIVISION Philadelphia, PA

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.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Orift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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

MANEB 80 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.

WORKER SAFETY RULES

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 Statement of Practical Treatment,

PERSONAL PROTECTIVE EQUIPMENT

HANDLERS (MIXERS, LOADERS, AND APPLICATORS) AND EARLY REENTRY WORKERS MUST WEAR THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT: coveralls over long-sieeved 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 literature or an enclosed cockpit for aerial application are used, a long-sleeved shirt and long parts may be worn in place of the protective clothing described above. Chemical-resistant gloves must be available in the cab c. cockpit and wirn upon exiting. The gloves must be kell in an enclosed container in the cab or cockpit to prevent contamination of the inside of the cab or cockpit.

IMPORTANT! Before removing gloves, wish them with soap and water. Always wash hands, face, and arms with soap and water-before-eating, spoking or drinking. Always wash hands and arms with soap and water before using the toild.

After work take off all clothes and shoes. Shower using soap and water . Wear orier clean clothes. Do not use contaminated clathing. Wash protective polithing and protective equipment with soap and water after each use. Persogal clothing worm 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

Do not enter treated areas within 24 hours after application unless wearing the protective clothing listed on this label. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further 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 this label.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, such warnings shall be given in a language customarily understood by the workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by the workers. Written warnings must include the following information "'CAUTION Area treated with MANEB 80 Fungicide on (date of application). Do not enter without protective clothing within 24 hours after application."

INSTRUCTIONS FOR APPLICATION

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

SPRAYS.

Place MANEB 80 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 80 per one gallon of water is equivalent to 1½ 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 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.

VEGETABLE CHOP USES

| DISEASES DISEASES DISEASES DISEACED DISEASES DISEACED Downy Mader Plast Discript Brocron Brissel Sprout Alternane Lad Spd Downy Mader Cabbage Kolaria Castinover Cabbage Kolaria Castinover Cabbage Kolaria Castinover Cabbage Kolaria Castinover Downy Mader Down at paphy ment then 12 Bits .active reproduct Sept Admission Down at paphy ment then 12 Bits .active reproduct Downy Mader Downy Mader Downy Mader Down at Rest trustens and apply on a 7-10 day neveral Down at paphy ment then 112 Bits active reproduct (14 Bits protect) per corting Down Down at paphy ment then 112 Bits ac | | | | |
|--|---|---|---------|--|
| ## Commons Com | CROPS | DISEASES | | DIRECTIONS |
| Brissoh Species Cantificate Species Cantificate Cathoge Roberts Cabbage Roberts Cabbage Roberts Cabbage Roberts Cabbage Roberts Cabbage Cabbage Roberts Cabbage Cabbage Roberts Cabbage Cabbage Cabbage Roberts Roberts Cabbage Roberts Robert | | Downy Middew | 15-20 | merral. Do not apply more than 9 6 hs. active ingredient (12 hs. product) per acre per season |
| Cabbage Dewny Malana Dewny Mala | Brussele Sprouts | Land Spot | 1 5-2 0 | day external. Do ant-apply made than 9 6 this active integration (12 the, product/pay acre fay |
| Suriet Corn | Kohiralu Chinese Cabbage (aghtheadag) | Leaf Spot | ゴ | incluse throllone. Spray on a 7-TO day interval. Do not apply fore stun 9 6 the active suprofient (12 the product) per acre per season. Do not apply for them? days before harvest. |
| Seed Certs | Cathine (loose liber) Cathorne als Herrad Orbr) | 136 | 7 | taler then 7 days before harvest or Caldernamed 10 days before in Herman. |
| Cocumbers Cocumbers Cocumbers Cocumbers Cocumbers Alternate Cocumbers Cocu | Popusers Server Carn Page for 300d | | | Use sufficient water for therough coverage what applications when dissess first appears and repeal at 3-19 day intervals. Add a recommended surfactant or spreader/section it resided for better coverage. Do not apply within 7 days of harvest Do not apply more than 18 flat, active ingredient (22.5 line, product) per acre per sesson. Do not |
| Complete | | | 15 | (except Artaneae & Louisiana) Use sufficient water for Bearungh coverage. Start applications when disease first appears at 3-18 day attenues. Add a recommended surfactant or approadurational at model for better coverage. Do not apply within 7 days of hervest. Do not apply mans then 6.8 bio. active impredient (7.5 fine productly par acre per seeson. Do not feel treated |
| Septents Lad Spat | Cocumpers | (Morresportett) Led Spot Ampeter Led Spot Anthraceope County Mildry Pythium Fout | 1 5-2.8 | rim. Sprity on a 7-16 day internal. Do not apply more than 12 8 lbs. active ingredient (16 lbs product) per acre per season. Do not apply within |
| Laid Sept day interval. Do not use more than 3.7 the active improduct (4.9 the product) per cutting. Do not | Eggstunt | Soptorio Lauf Spet Chatesporum Lauf Majat Early Majat Lauf Majat Gray Lauf Spet | 1520 | intervals. Do not apply more than 11 2 dis active improduct (14 dis product) per acre per crop |
| | Kala | Last Spot | 15-20 | day interval. Do not use more than 3.2 the active improduct (4.1 this product) per custing. Do not |



| VEC | ÆT/ | ME | CROP | USE\$ | consinued |
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| CROPS | DISEASES | RATE LBS/ACRE | DIRECTIONS |
|---|--|------------------|---|
| Lettuce (Head and Leaf) Endore | Downy Mildew | 1 5-2 0 | Apply when disease appears: Spray on a 7-10 day interval. Do not apply more than 9.6 the active ingredient (12 like product) per acre per season. Do not apply within 10 days of harvest Remove residues from head lettuce by stripping and informing. |
| | | | California — Spray on a 7-10 day interval. Do not apply more than 6 4 lbs. active ingredient maximum (6 0 lbs. product) per acre per season. Do not apply within 14 days of harvest. |
| Melons excluding: cantilopes, casilos, cunstans, hangdos, untirmators | Alternane Leaf Spot Anthracnose Cercospora Leaf Spot Deuty Mildear Gerwiny 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 & fbs. active ingredient (16 fbs. product) per acre per season. Do not apply within 5 days of hervest. |
| Onions (Dry Bulb) | Botrytis Leaf Blight Downy Mildew Nock Rot Purple Blotch | 20-30 | Begin applications when diseases are first reported in the area at 7-day intervals throughout the season. Do not apply within 7 days of turnest. Do not apply more than 24 lbs. active figereductification are participated apply to exposed builds. |
| Onions (Green) | Bolryte Leaf Blight Downy Middew Neck Rot Purple Blokd | 2030 | Begin explications when diserties are first reported in the area of 7-day intervals throughout the seases '00 not apply within 7 days of barvest. Do not apply more than 16 B this active ingledient (21 lbs. product) per acre per season. Do not apply to disposed business. |
| (Furnament) | Smut | 3 | Aboly as a ferrow dranch at same Of planting ordinal selects. Use 75 to 125-perions of water per acre. Do not use mare livan 2.4 lbs: active ingredient (3.0 lbs: product) per 29,000 linear feet of row (16 lich spacers). Do not use in California. |
| Apres // | Antispenose Cercologora Leaf Spot (Trapeye Spot Phytophthora mght | \$530 | East of the Mississippi Begin when decade thitzhons. Spray on a PTD day internal. Do not apply more than 14.4 tos lotve inglident (18 tos-product) per acre per spaces. Degos apply within 7 days of harvest. |
| | J | 15-2 | point of the Misshelppi Begn when decase threatens. Spray on a 7-10 day interval. Do not apply more than 9 6 lbs. active ingradient (12 lbs. product) per acre per season. Do not apply within 7 days of harvest |
| Potates | Early Blight Late Blight | 15-20 | |
| - | 1 | | Begin when plants are 2 to |
| | | | inches high. Apply on a 5- |

6 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: Connecticut, Delaware, Florida, Maine, Massachusetts, Michigan, New Hampshire, New York, Ohio, Pennsylvania, Rhode Island, 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.



| Petaloes (Seed Proces) | Festiven Seed Pece Decay | 1 6 %. per 16 gel | Send proce treatment only. Dip whele or cat tubers. Spread in coal place if hold before plenting. Do not use treated send paces for fixed lead, or oil purposes. |
|---------------------------------------|---|-------------------------|--|
| Pumptons | Angular Leaf Spot Downy Middew | 1.5-2 0 | Begin when disease threatens. Spray on a 7-16 day interval. Do not apply more than 12.8 lbs. active ingradient (16 lbs. product) par acre per sesson. Do not apply within 5 days of horvost. |
| Squash (Surnmer and Winter) | Anthracease Downy Mildew | 15-20 | Begin when plants start to run. Spray on a 7-18 day interval. Do not apply more than 12 8 this active ingredient (16 this product) per acre per season. Do not apply within 5 days of harvest. |
| Tomeless (Greenhouse and Field) | Anthracheee Erstene Leef Sers Cladesperum Leef Meté | 15-3.0 | East of the Mississippi Begin at first trult cluster and repeat on a 7-19 day interval. Do not apply units 5 days of harvest. Do not apply more than 16 6 the active impredient (21 lbs. product) par acre par corp. |
| _ | Early Might Life Might Gray Laof Spot (Romphyllum) | 1.5-2.0 | West of the Mississippi Spray on a 7-10 day interval. Co not apply more than 6.4 lbs. active ingradient (0 lbs. product) per acre per season. Do not apply within 5 days of harvest. |

FIELD CROFS

| CROPS | DISEASES | RATE LBS/ACRE | BIRECTIONS |
|------------|-------------------------|------------------|--|
| Sugarbeets | Carcospora Leaf Spot | 1.5-2.0 | Apply when disease appears. Spray on a 7-18 day interval. Do not apply more than 11.2 lbs. active ingredient (14 lbs. product) per seecon. Do not apply within 14 days of horvest. |



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| • | FRUIT AND NU | T CROPS | - | |
|---|--------------|--|---|---|
| İ | CROPS | PISEASES | LBSVACAE | Buik (CTIONS |
| | FOR POME FRU | Use wher the "Pre | | ntanded Application" scholulus HE TWO TREATMENT SCHEDULES |
| | Apples | Rusts (including) Coder apple) Fabras Leaf Spoil Flyspeck Scale Sooty Blocch | 6 D or (1 S Re per 100 pai in divise spray) | PRE-BLOOM: Begin applications at 1% to 1% inchi- groun by and continue on a 7- to 10-day application scholute Birough bleem. Do not apply more than 19 2 lise active improdum (24 lise product) per acre per year. Do not graze livestock in treased areas. |
| , | | | 3 0 or { 75 lbs par 100 gall schale spray) | EXTENSES APPLICATION OR TAINS MIXT: For implementation of IPM programs, applications based on two-law volume or for rate as a resistance management test begin applications at 14 to 16 mch green lip 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 water 77 days of harvest. Do not apply more than 16 it lies acreve impredient (21 this product) per acre per year. Do not graze livestock in treated areas, if he recommended that this product be used in an integrated Pest Management Program. |
| | | | | Add spreader/sticker to spray musture for cover sprays and tank mus with an effective systemic protectant/curative fungicide for more effective control of diseases |
| | No. | i, Brown Bot Blossem and Twey Block Scale Trangus (Leaf Blight) | 6 0-8 g er (1 5-2 0 lbs per 100 gal m a dilute spray) | Apply at popcorn, bull bloom, and petal tall or every 7 to 10 days if bloom is staggered. Omit pital tall sprity if only brown rot is present. Do not apply later than 5 weeks after petal tall or within 145 days of harvest. Do not apply more shan 25 6 this active ingrident (32 this product) per acre per season. Do not allow livestock to graze in almond prcharits. |
| | Benanes | Sigatoka | 20-30 | Apply when its ves first appear and repeat as needed on a 14-21 day interval. Do not apply more than 24 the active ingredient (30 the product) per acre per season. May be applied up to the day of harvest. |
| | Cranburnes | Fruit Rat | 4 8-6 0 | Begin applications at mid-bloom and repeat at 7-10 say interval. Do not apply more than 14.4 lbs. (18 lbs. product) per season. Do not apply influen. 30 days of harvest. |
| | Grapes | Black Ret Bunch Rot Deaderm Downly Mildew | 1 5-4 0 or (0 375-1 0 lbs per 100 gal .n a dilute spray) | East of the Recky Meentales Apply in Sufficient water to provide thorough coverage starting when shoets are 16 to 11/6 inches long and continue at 7-10 day intervals until fruit as set. Do not apply within 66 days of harvest. Do not apply ment then 19 2 tips: active ingredient (24 lips: product) per acre per season |
| | | | 1 5-2 5 or (0 375- 0 63 lbs per 100 gat in a dilute spray) | West of the Recky Mountains Apply when shoets are ½ to 1½ inches long and certimue at 7-18 day stervets. De not apply more tion 6.0 flux active ingredient (7.5 flux product) per acre per season. De not apply within 66 days of harvest except in California. Colflorate—De not apply after bloom |
| | Kadota figs | Surface Mold (Cladosparium) Surface Ret (Alternane) | 8 75 lbs / 100 gal | Apply when drasses threatens in 160-400 gallens of water zero. Do not apply more then 2.4 lbs active impredient (3.6 lbs. product) per sore per season. Do not apply within 16 Cuys of hervest. |
| | Popoyes | Arbirocrase Physiphthera Fruit Red Cercespora Back Spet | 2 0-2 5 er (0 5- 0 625 tes per 100 per se a difens spray) | Apply when disease first threatens and 14-21 day vitervals. Do not apply many than 26 the active ingredient per session (35 this product). May be applied up to the day of horsest. |

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COMMERCIAL ORMAMENTAL CROP USES BIOT FOR HOWEGARDEN USE) O NOT THE ANY OF THESE CROPS FOR FOOD OR FEED PURPOSES

| DONOT | JSE ANY OF THESE | | 7 |
|--|--|------------------------------------|---|
| CASP | DISEASES | RATE LISE/100 BAL | BURECTIONS. |
| Carnations | Atumana Lad Spel Apprachase Botypes Blight | 1015 | Bagus when new growth starts Repeat weekly |
| Chrysanthermetts | Ascachyla Ray Bught Boryles Petal Spel Septeria Leaf Spel | 0 5 No. or 227 grams | Apply twice weatly during the bicoming sesson for Patal Spot and Ray Bight For Septemb Lind Spot apply weekly throughout the sesson |
| Opens | Alternante Lauf Spol Beloyles Might | 16-15 | Began when new growth starts Repost weekly |
| Degesed | Anthraches | 10-15 | Begin when busts open. Repeat when bracks tall 4 weeks taker and in later summer. |
| Buddhis | Booytes Blight Curretone and Sternehyleum Leef Spets | 15 | Begin when theory spales are developing. Repeat 2 to 3 times at weakly intervals. |
| Grasses De not use en easture er range | Brown Patch | 8 2 No or 90 grams | Begun at first sign of disease. Reptat at 7- to 14-day intervals. |
| grasses Do not feed clippings to fivestock. Do not | Dollar Spell | 0 4-0 5 lbs or 170-227 grams | Apply as fer Brown Patch, above |
| use of grass is grown for seed) | Matting-Out | 8 2-0 3 lbs or 85-113 grams | Apply as for Brown Patch, above |
| ĺ | Leaf, Stem and Singe Rusts | 30 | Begin when rust pustules are first seen. Repeat at 7- to 14-day intervals. Do not graze treated areas. Do not feed chippings to investicit |
| Litters | Bosytrs BhgM | 10-15 | Begun with new growth. Repeat weekly |
| Pansies | Anthrachost | 10-15 | Begin with new growth. Repeat weekly |
| Peories | Atemore Last Spot Betryes BhgMt Phytophthors Blight | 1 0-1 5 | Apply to febage and sed in early spring and early fall and 7- to 10-day intervals during the growing season |
| Rests | Black Spot Cercespora Leaf Spot (Texas) | 1815 | Began when first traves unlock Repeat at 7- to 18-day intervals |
| | Rust (Caldomia) | 1 | for Aerial Application; |

use 1.0 to 1.5 lbs.

product in a minimum of
3 gallons spray solution
per acre.

| Snapdragone | Rust | 10-15 | Begin with smergence. Repeat incluy |
|-------------|--|-------|--------------------------------------|
| | Alternana Blight Last Spot Botryks Bight | 10-15 | Begin with emergence. Repeat intelly |

CHEMIGATION NOT FOR THIS USE IN CALIFORNIA GENERAL INSTRUCTIONS

Apply this product only through sprinkler irrigation systems including center pivot, lateral move, and flow, 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, tack 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 chamigation 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.

De not connect champation 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 whizing a pressurized water and posticide 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 irregion pipeline to prevent water source contamination from backflow.

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

The posticide injection pipeline must also centain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system intertock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or menually shut down.

The system must centain functional interlocking controls to automatically shut off the LTT pessende injection prime 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 interfock.

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

Maintain a gentle continuous agitation in mox 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 sprinker 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 irridation water.

MANES 80 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 sprintder 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 80 in a mix tank. Fill the tank with ½ or ¾ the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of MANEB 80 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 80 into the irrigation water line so as to Jehver the desired rate per acre. The suspension of MANEB 80 should be injected with a positive displacement pump into the main line ahead of a night angle turn to insure adequate mixing.

NOTE. When treatment with MANEB 80 has been completed, do not wrighte the treated area for 24 to 48 hours to prevent washing the chemical off the crop

STORAGE AND DISPOSAL

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

Sterage 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.

Sentaleer Disposal Instructions: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY AND DISCLAIMER

Elf Asichem North America wyrtynts that this maternal conforms to the channeal description on the lobal and its reasonably lik for the purposes referred to in the Directions for Use, subject to the right referred to therein. ELF ATOCHEM MAKES IND OTHER EXPRESS OR INFOCATION WARRANTY OF FITHELSS OR INFOCHMENTABILITY OF ATOCHEM OR INPULED WARRANTY OF HO CASE SHALL ELF ATOCHEM OR INCLUDING FOR CONSEQUENTIAL, SPECIAL OR INDIFFECT DAMAGES RESILTING FROM THE USE OR HANDLING OF THIS PRODUCT INCLUDING, BUT NOT LIMITED TO, LOSS OF PROPITS, BUSINESS REFUTATION, OR CUSTOMERS: LABOR COST, OR OTHER EXPENSES INCLINITED IN PLANTING OR HARVESTING.

EV Asystem and select offer thus product and the buyer and user accept 4 subject to the foregoing combined of sale and warrantly which may be varied only by appearant in unting signed by a duty published representative of EV Associates.

Made and Printed in Holland

5-NO115-02 C2 (3/92)

