

PM 21

100-804

3/22/96

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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 Registration Number:  
100-804

Date of Issuance:

MAR 22 1996

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

Term of Issuance:

Time-Limited

Name of Pesticide Product:

Mefenoxam/Copper

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Ciba-Geigy Corp.  
P.O. Box 18300  
Greensboro, NC 27419-8300

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 registered in accordance with section 3(c)(5) of FIFRA subject to the following terms:

1. This registration shall expire on March 5, 1997 without opportunity for hearing.
2. EPA may, by order and without opportunity for hearing, cancel this registration prior to March 5, 1997 if the Agency determines, based upon comments submitted pursuant to section 3(c)(4) of FIFRA, or upon any other information that this product no longer meets the requirements of section 3(c)(5).
3. You must submit to the Agency a written request to voluntarily cancel Metalaxyl Technical and its end use products within 10 business days from the date of this registration.
4. 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.

(cont'd on page 2)

Signature of Approving Official:

*Conrad B. Welch*

Date:

3/22/96

5. Any outstanding data requirements cited in the Metalaxyl Reregistration Eligibility Document (RED) also apply to Mefenoxam. These studies may be conducted on either Metalaxyl or Mefenoxam.

6. Revise the EPA Registration Number to read, "EPA Reg. No. 100-804".

7. Submit five copies of your final printed label.

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.

Water-Soluble Pouch

Mefenoxam/Copper

FUNGICIDE

For the control of certain diseases in various fruits and vegetables

ACCEPTED with COMMENTS In EPA Letter Dated

MAR 22 1996

Under the Federal Insecticide, Fungicide, and Rodenticide Act registered under EPA Reg. No.

100-803

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Active Ingredients:

Mefenoxam: (R)-2-[(2,6-dimethylphenyl)-methoxyacetyl-amino]-propionic acid methyl ester ..... 4.8%

Related Compounds ..... 0.2%

Copper Hydroxide\*: (Cu(OH)<sub>2</sub>) ..... 60.0%

Inert Ingredients: ..... 35.0%

Total: ..... 100.0%

\*Metallic Copper equivalent ..... 39.1%

Mefenoxam/Copper is a wettable powder packaged in a water-soluble bag.

KEEP OUT OF REACH OF CHILDREN.

DANGER/PELIGRO

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.)

See additional precautionary statements on left side of container.

Statement of Practical Treatment

If in eyes: Immediately flush with a steady, gentle stream of water and get medical attention.

If swallowed: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Drink promptly a large quantity of milk, egg whites, gelatin solution or, if these are not available, large quantities of water. Avoid alcohol. Do not induce vomiting or give anything by mouth to an unconscious person. Call a physician or Poison Control Center.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If on skin: Wash with plenty of soap and water. Get medical attention.

Note to Physician: If swallowed, probable mucosal damage may contraindicate gastric lavage. Monitor blood for evidence of hemolysis and methemoglobinemia. If in eyes, specialized ophthalmologic attention may be required.

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See directions for use on right side of container.

EPA Reg. No. 100-

EPA Est. 10163-AZ-1<sup>G</sup>  
5905-GA-01<sup>H</sup> (Superscript is first letter of  
lot number on bag)

This outer protective container contains Mefenoxam/Copper in an inner water-soluble bag. Entire inner bag and contents dissolve in water. After opening outer container, immediately dump entire unopened inner bag into the partially filled sprayer or mix tank. Do not handle the soluble bag or expose it to moisture, since this may cause rupturing.

Five Pounds  
Net Weight

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## **DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY**

**IMPORTANT:** Read the entire **Directions for Use** and the **Conditions of Sale and Warranty** before using this product. If terms are not acceptable, return the unopened product container at once.

### **Conditions of Sale and Warranty**

The **Directions for Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, 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 Ciba-Geigy or the Seller. All such risks shall be assumed by the Buyer.

Ciba-Geigy warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use** subject to the inherent risks referred to above. **Ciba-Geigy makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Ciba-Geigy or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** Ciba-Geigy and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing **Conditions of Sale and Warranty**, which may be varied only by agreement in writing signed by a duly authorized representative of Ciba-Geigy.

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## **DIRECTIONS FOR USE**

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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 48 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
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.**

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## General Information

Mefenoxam/Copper is a foliar fungicide containing 5% of the active ingredient mefenoxam and 60% of the active ingredient copper hydroxide. Mefenoxam is a systemic fungicide for use on selected crops to control diseases caused by members of the Phycomycete family of fungi. Copper is effective against a wide range of fungal pathogens.

**Note:** Mefenoxam is a systemic fungicide having a specific mode of action and could be subject to development of insensitive strains of fungi. Development of insensitivity cannot be predicted. Therefore, Ciba-Geigy cannot assume liability for crop damage resulting from insensitive strains of fungi. If treatment is not effective following the use of Mefenoxam/Copper as recommended, an insensitive strain of fungi may be present. If the treatment is ineffective due to the presence of a mefenoxam insensitive strain of fungi, neither Mefenoxam/Copper nor any other fungicide with similar action will effectively control that disease. Consideration should then be given to the prompt use of other types of suitable fungicides. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance in your particular crop and disease control situation.

**THIS LABEL IS FOR FIELD USE ONLY AND IS NOT INTENDED FOR USE ON TRANSPLANT TRAYS, GREENHOUSES, LATH HOUSES, FLOAT HOUSES, HYDROPONIC PRODUCTION, OR IN BEDDING PLANT STRUCTURES.**

Do not make applications when weather conditions favor drift from target area. Avoid spray overlap as crop injury may result.

### Mixing Instructions

Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. **Vigorous agitation is necessary to dissolve the bag and disperse the product. Maintain maximum agitation throughout the spraying operation.** Flush spray tank thoroughly with water daily after use and dispose of pesticide rinsate by application to an already treated area.

Amount of water needed per acre will vary according to the amount of plant growth. For dilute ground application, the water volume will vary from 20-150 gals./A. For aerial application, 3-10 gals. of water per acre are generally needed. To minimize the potential of drift from target area, application at wind speeds greater than 10 mph is not recommended.

*Precautions: (1) Soluble bags of Mefenoxam/Copper must be dissolved completely, and the product must be uniformly dispersed in the mix water, before any other tank mix partner, including micronutrients, or other dry or liquid fertilizers are added to the solution. Boron, especially in the form of a micronutrient additive, such as Solubor®, etc., or as a natural component of the mix water, may prevent water-soluble bags from dissolving. (2) A minimum of 5 gals. of water per acre must be used in the mix tank. (3) Do not let spray mixture stand overnight in the spray tank. (4) Rinse spray tank at the end of the day.*

**Mefenoxam/Copper Alone:** Add 1/4 of the required amount of water to the spray or mixing tank. With the agitator running, drop the required number of **unopened** soluble bags of Mefenoxam/Copper into the tank all at once. Continue agitation while adding the remainder of water and during application to maintain a uniform suspension.

**BEFORE TANK MIXING MEFENOXAM/COPPER WITH OTHER REGISTERED PRODUCTS FOR ANY USE ON THIS LABEL, READ THE LABEL OF THE TANK MIX PARTNER TO BE CERTAIN IT IS LABELED FOR USE ON THE PARTICULAR CROP AND THAT USE PATTERNS ARE COMPATIBLE WITH THOSE OF MEFENOXAM/COPPER.**

When tank mixing, apply in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

**Mefenoxam/Copper + Tank Mixtures:** Add 1/4 of the required amount of water to the spray or mixing tank. With the agitator running, drop the required number of **unopened** soluble bags of Mefenoxam/Copper into the tank all at once. After the water soluble bags have dissolved and the products have dispersed uniformly into the mix water, continue to fill the tank with water. Then add the desired amount of the other products recommended for tank mixture. Continue agitation while adding the remainder of the water and during application to maintain a uniform suspension.

### **Application Through Irrigation Systems**

Mefenoxam/Copper, alone or in combination with other pesticides which are registered for application through irrigation systems, may be applied through irrigation systems.

Apply this product only through center pivot, solid set, hand move, or moving wheel irrigation systems. 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 non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for



public water systems are in place. 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.

After using Mefenoxam/Copper, immediately flush with water (within one hour) all irrigation systems and associated piping in a manner which will not wash the product from the foliage and reduce disease control.

### **Posting Requirements**

Posting of areas to be chemigated is required when (1) any part of a treated area is within 300 ft. of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or (2) when the chemigated area is open to the public, such as golf courses or retail greenhouses.

Posting must conform to the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

This sign is in addition to any sign posted to comply with the Worker Protection Standard.

### **Operating Instructions**

1. 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.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.

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3. 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.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. 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.
6. 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.
7. Do not apply when wind speed favors drift beyond the area intended.

### Application Instructions

Mefenoxam/Copper must be applied as the schedule specifies in the specific crop use recommendations, not according to the irrigation schedule. If irrigation schedules are used, ground or aerial applications must supplement chemigation applications to achieve adequate disease control.

Mefenoxam/Copper has not been sufficiently tested to assure consistent product performance for all labeled uses when applied through chemigation systems. The following calibration and application techniques are provided for user reference, **but do not constitute a warranty of fitness for application through sprinkler or drip irrigation equipment.** Users should check with state and local regulatory agencies for potential use restrictions before applying any agricultural chemical through sprinkler or drip irrigation equipment.

### Center Pivot Irrigation Equipment

**Note:** (1) Use only with drive systems which provide uniform distribution. (2) Do not use end guns when chemigating Mefenoxam/Copper through center pivot irrigation systems because of non-uniform application. (3) Plug the first nozzle closest to well head to protect water source.

1. Determine the size of the area to be treated.
2. Determine the time required to apply 1/4-1/2 inch of water over the area to be treated when the system and injection equipment is operated at normal pressures as recommended by the equipment manufacturer. Run the system at 80-95% of the manufacturer's rated capacity.

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3. Using water, determine the injection pump output when operated at normal line pressure.
4. Determine the amount of Mefenoxam/Copper required to treat the area covered by the irrigation system.
5. Add the required number of Mefenoxam/Copper soluble bags and sufficient water to meet the injection time requirements to the solution tank. (See **Mixing Instructions** section of this label.).
6. Make sure the system is fully charged with water before starting injection of the Mefenoxam/Copper solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
7. Maintain constant solution tank agitation during the injection period.
8. Stop injection equipment after treatment is completed. Continue to operate the system until the Mefenoxam/Copper solution has cleared the sprinkler head.
9. After using Mefenoxam/Copper, immediately flush with water (within one hour) all irrigation systems and associated piping in a manner which will not wash the product from the foliage and reduce disease control.

#### **Solid Set, Hand Move, and Moving Wheel Irrigation Equipment**

1. Determine the acreage covered by the sprinklers.
2. Fill injector solution tank with plain water and calibrate the flow rate of the system to deliver the contents of the tank over a 20 to 30-minute time interval.
3. Determine the amount of Mefenoxam/Copper required to treat the area covered by the irrigation system.
4. Add the required number of Mefenoxam/Copper soluble bags into the same quantity of water used to calibrate the injection period. (See **Mixing Instructions** section of this label.)
5. Operate system at the same pressure and time interval established during the calibration.
6. Inject Mefenoxam/Copper at the end of the irrigation cycle or as a separate application to maximize retention of the fungicide by the foliage.
7. Stop injection equipment after treatment is completed. Continue to operate the system until the Mefenoxam/Copper solution has cleared the last sprinkler head.

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8. After using Mefenoxam/Copper, immediately flush with water (within one hour) all irrigation systems and associated piping in a manner which will not wash the product from the foliage and reduce disease control.

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### **Carrots and Radishes**

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Mefenoxam/Copper will control foliar diseases caused by Oomycete fungi, including cavity spot on carrots and white rust on radishes. For season-long control of these diseases, a preplant or at-planting application of Mefenoxam EC at 1-2 pts./A (0.5-1 lb. a.i./A) is recommended. (See the **Root and Tuber Vegetable** section of the Mefenoxam EC label.)

Apply 2.0 lbs. of Mefenoxam/Copper per acre foliarly beginning 40-50 days after the Mefenoxam EC at-planting application. Make 2-4 applications of Mefenoxam/Copper on a 14-day schedule, depending on disease development.

**Notes:** (1) To avoid possible illegal residues, do not apply Mefenoxam/Copper within 7 days of harvest. (2) You may make up to 4 applications of Mefenoxam/Copper per crop.

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### **Cucurbit Vegetables**

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Mefenoxam/Copper, when used as a foliar spray in a preventive disease control program, provides control of downy mildew of cucurbit vegetables.

Apply 2.0 lbs. of Mefenoxam/Copper per acre. Begin applications when conditions are favorable for disease, but before infection, and continue at 14-day intervals until the threat of disease is over. The full rate of a protectant fungicide should be applied between Mefenoxam/Copper applications. Avoid late season applications when plants reach full maturity or begin senescence.

**Notes:** (1) To avoid possible illegal residues, do not apply Mefenoxam/Copper within 5 days of harvest. (2) You may make up to 4 applications of a Mefenoxam prepack (Mefenoxam/Copper or Mefenoxam/Bravo®) per crop.

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### **Grapes**

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Use Mefenoxam/Copper as a foliar, post-bloom application for control of downy mildew of grapes caused by *Plasmopora viticola*.

Apply 2 lbs./A of Mefenoxam/Copper. Make up to 4 applications beginning before bloom; do not make an application within 66 days of harvest. For late season downy mildew control, apply other registered fungicides.

**Notes:** (1) To avoid possible illegal residues, do not apply within 66 days of harvest. (2) You may make up to 4 applications of Mefenoxam/Copper per crop.

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(3) If other formulations of Mefenoxam are applied, do not apply more than a total of 0.4 lbs. a.i./A of mefenoxam per crop per season. (4) Do not use on copper sensitive varieties (see local state and extension recommendations for varietal selection).

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### Onions - Dry Bulb\*, Green\*\*, and Onions Grown for Seed

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\*Includes garlic, onions (dry bulb), and shallots (dry bulb).

\*\*Includes green onions, leeks, spring onions or scallions, Japanese bunching onions, green shallots, or green eschalots.

Mefenoxam/Copper provides effective control of downy mildew caused by *Peronospora destructor* when used as a foliar spray in a preventive disease control program.

Apply 2 lbs. Mefenoxam/Copper per acre in sufficient water to obtain thorough coverage. Begin applications when conditions are favorable for disease, but before infection, and continue at 14-day intervals until the threat of disease is over. Use a suitable spreader-sticker at rates recommended on the product label.

**Notes:** (1) To avoid possible illegal residues, do not apply to dry bulb onions within 10 days of harvest and do not apply to green onions within 7 days of harvest. (2) You may make up to 4 applications of Mefenoxam/Copper to dry bulb onions or seed onions. (3) You may make up to 3 applications of Mefenoxam/Copper to green onions. (4) If Mefenoxam EC was applied at-planting, do not exceed a total of 0.4 lbs. a.i. of mefenoxam per crop per season.

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### Peppers

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For control of *Pythium* spp. and *Phytophthora capsici*, follow the treatment scheme below:

Apply Mefenoxam EC to the soil at planting at 1 pt./A (0.5 lb. a.i./A) **followed by** one supplemental application of Mefenoxam EC at 1 pt./A (0.5 lb. a.i./A) 30 days following the soil application **followed by** foliar applications of Mefenoxam/Copper at 2.5 lbs./A. Make 3-4 applications of Mefenoxam/Copper at 10-14 day intervals.

**Notes:** (1) To avoid possible illegal residues, do not apply Mefenoxam/Copper within 7 days of harvest. (2) You may make up to 4 applications of Mefenoxam/Copper per crop. (3) Do not apply more than a total of 1.5 lbs. a.i. of mefenoxam per acre per crop.

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## Potatoes

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Apply Mefenoxam/Copper as a foliar fungicide in a preventive disease control program for control of late blight caused by *Phytophthora infestans*, Pythium leak caused by *Pythium* spp., and pink rot caused by *Phytophthora erythroseptica*. Make applications of Mefenoxam/Copper in sufficient water to obtain thorough coverage for ground applications and in a **minimum of 5 gals.** of water per acre for aerial applications.

**Late Blight:** Apply a tank mix of 2.0 lbs. of Mefenoxam/Copper per acre plus 0.8 lb. a.i./A of maneb, mancozeb, metiram, or chlorothalonil. Begin preventive applications early in the season when conditions are favorable for disease (*before infection*), but *no later than when the plant foliage meets within the row*. Make up to 3 applications of the Mefenoxam/Copper 70W tank mixture at 14-day intervals. The full rate of a protectant fungicide should be applied between Mefenoxam/Copper applications. Following the 3 Mefenoxam/Copper applications, apply the full rate of a protectant fungicide on a weekly schedule through the remainder of the season.

**Storage Rots: Pythium Leak (caused by *Pythium* spp.) and Pink Rot (caused by *Phytophthora erythroseptica*):** For effective control of these storage rots, Mefenoxam/Copper should be used in conjunction with other management practices such as crop rotation. Apply 2.0 lbs. of Mefenoxam/Copper per acre. Make the first application at flowering and another application 14 days later. If the field has a history of tuber disease problems, make a third application 14 days after the second application.

**Note:** If applications of Mefenoxam/Copper are being made for late blight control that correspond to the timing of applications for storage rot control, additional applications for storage rot control are not needed.

**Notes:** (1) To avoid possible illegal residues, do not apply Mefenoxam/Copper within 14 days of harvest. (2) You may make up to 3 applications of a Mefenoxam prepack (Mefenoxam/Copper, Mefenoxam/Bravo, or Mefenoxam MZ) per crop. (3) If conditions for late blight development are still favorable after making 3 applications of Mefenoxam/Copper, use other fungicides registered for late blight control in potatoes.

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## Spinach

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Mefenoxam/Copper will control white rust and downy mildew on spinach when applied foliarly following an at-planting application of Mefenoxam EC at 1-2 pts./A (0.5-1 lb. a.i./A).

Apply 2.5 lbs. of Mefenoxam/Copper per acre 21 days after the Mefenoxam EC at-planting application or immediately after each repeated cutting. Make 1 or 2 applications of Mefenoxam/Copper at 14-day intervals, depending on cultural

practices. Avoid late season applications when plants reach full maturity or begin senescence.

**Notes:** (1) To avoid possible illegal residues, do not apply Mefenoxam/Copper within 21 days of harvest. (2) You may make up to 2 applications of Mefenoxam/Copper per crop. (3) If Mefenoxam/Copper use is planned, apply Mefenoxam EC either preplant or at planting. **Do not make supplemental applications of Mefenoxam EC.**

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## Tomatoes

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Foliar applications of Mefenoxam/Copper will control Phytophthora fruit rot (such as buckeye rot), and late blight when applied on a regular schedule. Make applications of Mefenoxam/Copper in sufficient water to obtain thorough coverage for ground applications and in a **minimum of 5 gals.** of water per acre for aerial applications.

Apply a tank mix of 2.0 lbs. of Mefenoxam/Copper per acre plus 0.8 lb. a.i./A of maneb or mancozeb. Begin preventive applications early in the season when conditions are favorable for disease (before infection). Make up to 3 applications of the Mefenoxam/Copper tank mixture at 14-day intervals. The full rate of a protectant fungicide should be applied between Mefenoxam/Copper applications. Following the 3 Mefenoxam/Copper 70W applications, apply the full rate of a protectant fungicide on a weekly schedule through the remainder of the season.

**Notes:** (1) To avoid possible illegal residues, do not apply Mefenoxam/Copper within 14 days of harvest. (2) You may make up to 3 applications of Mefenoxam/Copper per crop. (3) If conditions for late blight development are still favorable after making 3 applications of Mefenoxam/Copper, use other fungicides registered for late blight control in tomatoes. (4) If other formulations containing mefenoxam are applied at any time throughout the season, do not exceed a **total of 1.5 lbs. a.i. of mefenoxam per acre per crop.**

### Rotation (Plantback) Restrictions

Do not plant any crop which is not registered for use with mefenoxam in mefenoxam-treated soil for a period of 12 months, with the exception of cereal grains. See following list.

<b>Rotational Crop</b>	<b>Planting Time From Last Mefenoxam/Copper Application</b>
Alfalfa (including birdsfoot trefoil)	-0- days
Almonds	-0- days
Apples	-0- days
Asparagus	-0- days
Avocados	-0- days
Blueberries	-0- days
Broccoli	-0- days
Cabbage	-0- days
Cauliflower	-0- days
Cereal Grains (other than corn)	40 days
Chinese Broccoli (gai lon, white flowering broccoli)	-0- days
Chinese Cabbage (tight-heading varieties only)	-0- days
Citrus	-0- days
Corn	9 months
Cotton	-0- days
Cranberries	-0- days
Cucurbit Vegetables	-0- days
Deciduous Fruits and Nuts*	-0- days
Eggplant	-0- days
Garlic	-0- days
Ginseng	-0- days
Grapes	-0- days
Hops	-0- days
Leafy Vegetables (other than Brassica)	-0- days
Legume Vegetables (beans and peas - succulent and dried)	-0- days
Onions (dry bulb, green, and seed)	-0- days
Papaya	-0- days
Peanuts	-0- days
Peppers	-0- days
Pineapples	-0- days
Potatoes	-0- days
Raspberries	-0- days
Root and Tuber Vegetables	-0- days
Soybeans	-0- days
Spinach	-0- days
Stone Fruits	-0- days
Strawberries	-0- days
Sugar Beets	-0- days
Tobacco	-0- days
Tomatoes	-0- days
Walnuts	-0- days
Crops <b>Not Intended</b> for Food or Feed	-0- days
All Other Crops <b>Intended</b> for Food or Feed	12 months



\*These crops and other perennial crops may be planted immediately following last application of Mefenoxam/Copper, provided they will not bear harvestable fruit within 12 months.

### **Storage and Disposal**

**Storage** - Store in a cool, dry place. Do not store this product under wet conditions. Handle outer packaging carefully to avoid breakage of inner soluble bags.

### **Pesticide Disposal**

Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Open dumping is prohibited. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### **Container Disposal**

Do not reuse outer container. Dispose of empty outer container in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke.

For minor spills, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contaminat of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

### **Precautionary Statements**

#### **Hazards to Humans and Domestic Animals**

#### **DANGER/PELIGRO**

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing dust or spray mist. Avoid contact with skin or clothing.

#### **Personal Protective Equipment**

#### **Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

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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 Control 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.

### **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.

### **Environmental Hazards**

This pesticide is toxic to fish and aquatic organisms. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment wash waters or rinsate.

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