

400-486

12/21/2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



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

EPA Reg. Number: 400-486

Date of Issuance: DEC 21 2001

NOTICE OF PESTICIDE:
[X] Registration
Reregistration

Term of Issuance: Conditional

Name of Pesticide Product: Mefenoxam 2EC Fungicide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Uniroyal Chemical Company, Inc.
74 Amity Road
Bethany, CT 06524-3402

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.

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.

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

I. Make the following label revisions:

- 1. Statements of Practical Treatment have been updated per Pesticide Registration (PR) Notice 2000-3. Revise the statements as follows:
A. Place the various elements into a boxed format as indicated in the PR Notice and replace the current heading with 'First Aid' rather than Statements of Practical Treatment.
B. The 'If in eyes:' statement must read:
- Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.'
C. The 'If on skin' statement must read:
'If on skin or clothing:
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.'
D. The 'If swallowed:' statement must read:
- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

CONCURRENCES

Table with columns for SYMBOL, SURNAME, DATE, and Date. Includes handwritten signature of Mary J. Walker and date 12/21/01.

- E. Under the heading 'Note to Physician', replace the current information with 'Contains petroleum distillate - vomiting may cause aspiration pneumonia'.
- F. Include this general statement with the first aid statements at the beginning or end: 'Have the product container or label with you when calling a poison control center or doctor, or going for treatment.'
- G. It is recommended that an emergency phone number be included at the end of the above sentence, (F). If a number is included, also include a phrase or statement indicating the kinds of information available at the number and any limitation such as hours of service.
2. Since this is the label, delete the sentence 'See label for additional precautions and directions for use'.
 3. Under precautionary statements add 'Wash thoroughly with soap and water after handling' and 'Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals'.
 4. Under 'Applicators and other handlers must wear', revise the statement to read 'chemical-resistant gloves, such as barrier laminate or viton \geq 14 mils'.
 5. After 'Environmental Hazards' add a separate heading 'Groundwater Advisory' with the following statement 'This chemical is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination'.
 6. Revise the EPA Registration Number to read '400-486'.
 7. In the operating instructions for chemigation, revise the sentence to read 'The system must contain functional interlocking controls ... motor stops'.
 8. Under 'Ornamentals', under the heading 'Soil surface spray applications in the landscape', add the sentence 'Repeat applications at 2 to 3 month intervals as needed'.
- II. Submit two copies of your final printed label prior to release of the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. A copy of the product chemistry review is enclosed for your files. If there are questions concerning this matter, contact Dr. Tom Ellwanger at (703) 308-9352.

Sincerely,

Mary L. Waller

Mary L. Waller
Product Manager (21)
Fungicide Branch
Registration Division (7505C)

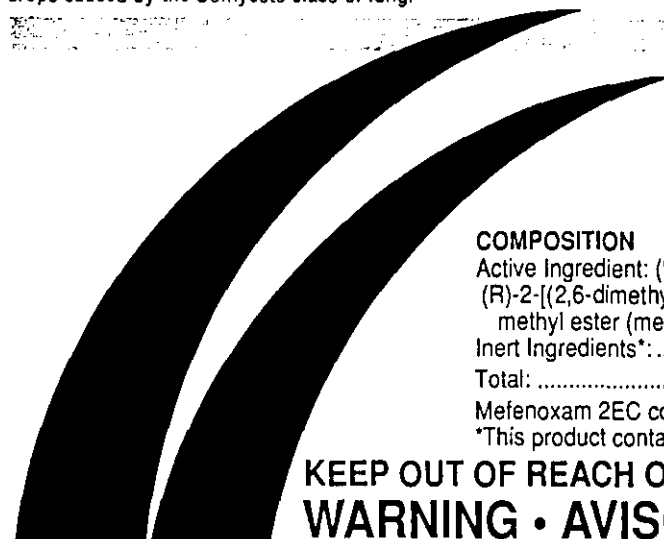
Enclosure

Mefenoxam 2EC

FUNGICIDE

For the control of certain diseases in various crops caused by the Oomycete class of fungi

NET CONTENTS: 1.06 LITERS (0.28 GALLONS)



COMPOSITION

Active Ingredient: (% by weight)	
(R)-2-[(2,6-dimethylphenyl) methoxyacetyl-amino]-propionic acid methyl ester (mefenoxam)	25.1%
Inert Ingredients*	74.9%
Total:	100.0%

Mefenoxam 2EC contains 2 lbs. active ingredient per gallon.

*This product contains petroleum distillates, xylene or xylene range aromatic solvent.

KEEP OUT OF REACH OF CHILDREN

WARNING • AVISO

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.)

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES. Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

IF ON SKIN: Wash thoroughly with soap and water. Get medical attention if irritation persists.

IF SWALLOWED: Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water, avoid alcohol. Immediately contact a physician, hospital or local Poison Control Center. Do not induce vomiting.

NOTE TO PHYSICIAN: If ingested, lavage stomach. A slurry of activated charcoal in water can be left in the stomach.

See Label for Additional Precautions and Directions for Use.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING/AVISO

Causes substantial, but temporary eye injury. Do not get in eyes or on clothing. Avoid contact with skin. Harmful if swallowed, or absorbed through the skin.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category G on an EPA chemical resistance category selection chart.

Applicators and Other Handlers Must Wear: A long-sleeved shirt and long pants; chemical-resistant gloves, such as barrier laminate or viton; shoes plus socks and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated by this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and 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

For terrestrial uses, do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Apply only as specified on this label. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwater or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

Flammable. Keep away from heat and open flame.

ACCEPTED
with COMMENTS
In EPA Letter Dated:

DEC 21 2004

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 410-486

**UNIROYAL
CHEMICAL**

Uniroyal Chemical
Company, Inc.
Middlebury, CT 06749

EPA REG. NO. 400-
EPA EST. NO.
001/042100

DIRECTIONS FOR USE

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

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

AGRICULTURAL USE REQUIREMENTS

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

Exception: If the product is soil-injected or soil-incorporated, the WPS, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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
- chemical-resistant gloves, such as barrier laminate or viton
- shoes plus socks
- protective eyewear

Failure to follow the directions for use and precautions on this label may result in crop injury, poor disease control, or illegal residues.

NON AGRICULTURAL USE REQUIREMENTS

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

Do not enter treated areas without PPE until sprays have dried.

GENERAL INSTRUCTIONS

MEFENOXAM 2EC is a systemic fungicide for use on selected crops to control certain disease caused by members of the Oomycete class of fungi. Other fungicides must be used to control diseases incited by other classes of fungi.

NOTE: MEFENOXAM 2EC 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, Uniroyal Chemical Company, Inc. cannot assume liability for crop damage resulting from insensitive strains of fungi. If treatment is not effective following the use of MEFENOXAM 2EC as recommended, an insensitive strain of fungi may be present. If the treatment is ineffective due to the presence of a MEFENOXAM 2EC insensitive strain of fungi, neither MEFENOXAM 2EC 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. Do not make foliar applications to crops, unless specified since this practice may encourage more rapid development of insensitivity. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance on your particular crop and disease control situation. Where rate ranges are

specified on this label, use the higher rate when heavy disease pressure is expected and the lower rate when disease pressure is expected to be light unless otherwise noted.

To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, as crop injury may result.

MIXING PROCEDURES: Add 1/4 to 1/2 of the required amount of water to the spray tank, add the proper amount of MEFENOXAM 2EC, then add the rest of the water. When tank mixing other products with MEFENOXAM 2EC, follow the proper sequence of adding products to the spray tank. Wettable powders or water dispersible granules should be added to the water in the tank first, followed by flowable products, with emulsifiable concentrates, such as MEFENOXAM 2EC added last. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

MEFENOXAM 2EC is usually compatible with Terraclor® 75W, Terrazole® 35%WP and Terraguard® 50WP.

To assure the compatibility of MEFENOXAM 2EC with these and other products, pour the products into a small container of water in the correct proportions. After thorough mixing, let stand for 5 minutes. If the combination remains mixed, or can be re-mixed readily, the mixture is compatible.

For banded applications, the area actually is the area covered by the band, not total cropland area planted. Some row-crop recommendations are based on treating in-the-row and these rates generally are specified as amounts (fl. oz.) of product per certain row length (often 1,000 ft.). Others express rates as amount per treated acre, which means the total area treated with pesticide. If rates are expressed as amount per treated acre and banded applications are used, the amount of pesticide used per acre will be proportionately less. The following formula can be used to calculate the amount of MEFENOXAM 2EC needed per acre of crop when banded applications are made.

Calculate the amount of MEFENOXAM 2EC needed for band treatment by the formula:

$$\frac{\text{band width in inches}}{\text{row spacing in inches}} \times \text{broadcast rate per acre} = \text{amount needed per acre of field}$$

GENERAL APPLICATION INSTRUCTIONS

Apply MEFENOXAM 2EC by ground or air in sufficient water or liquid fertilizer to provide uniform coverage of the soil surface. Apply in a minimum of 20 gallons per acre for ground applications and 5 gallons per acre by air. Refer to the specific crop directions for use for application recommendations.

BEFORE TANK MIXING MEFENOXAM 2EC 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 2EC.

APPLICATION THROUGH IRRIGATION SYSTEM

MEFENOXAM 2EC, 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 pressurized drench (flood) or drip (trickle), micro-irrigation such as a spaghetti-tube or individual tube irrigation, hand-held calibrated irrigation equipment such as the hand-held wand with injector, calibrated overhead watering booms, ebb and flow or bench flooding sub-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.

MEFENOXAM 2EC should be diluted with water on a 1/10 basis prior to injection into an irrigation system. Proper tank-mix agitation is required during this mixing procedure.

If you have any questions about calibration, you should contact the State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide applications 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 supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

OPERATING INSTRUCTIONS

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 back-flow.

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 the irrigation system is either automatically or manually shut down.

The system must contain a 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.

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

APPLICATION INSTRUCTIONS

MEFENOXAM 2EC must be applied on the schedule specified in the specific crop use recommendations, not according to the irrigation schedule.

With the exception of citrus, MEFENOXAM 2EC has not been sufficiently tested when applied through irrigation systems to assure consistent product performance for all labeled uses. 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 must check with state and local regulatory agencies for potential use restrictions before applying any agricultural chemical through sprinkler or drip irrigation equipment.

NOTE: Do not inject MEFENOXAM 2EC at full strength or deterioration of valves and seals may occur. Use a dilution ratio of at least 10 parts water to 1 part MEFENOXAM 2EC in the mix tank. MEFENOXAM 2EC is corrosive to many seal materials. Leather seals are best. EPDM or silicone rubber seals can be used, but should be replaced once a year. Do not use Viton, Buna-N, Neoprene or PVC seals.

MICRO SPRINKLER, DRIP IRRIGATION SYSTEMS, OVERHEAD WATERING BOOMS

General Instructions

Each run of the irrigation system must be calibrated separately to determine the time it takes water to move through the system and to make sure all emitters in the system are putting out the same amount of water. Only pressure injection or venturi equipment is recommended. Determine the area to be treated in each irrigation run. Measure the output of each of the emitters or drip tubes closest to and farthest from

the injector site. For calibration, substitute a concentrated detergent (such as Wisk) or a soluble fertilizer for the MEFENOXAM 2EC in the injector tank. The detergent will bubble as it leaves the emitters. The time period over which bubbles occur should be checked for both the closest and farthest emitters. If these are not within 2 minutes of each other, adjust the dilution ratio and/or the injection rate. If a soluble fertilizer is used, measure the time intervals with a salt bridge.

Step by Step Instructions: Before starting to calibrate, operate the system until all the emitters are putting out equal flow rates or until the system is operating at full pressure. Make up an indicator solution of detergent or fertilizer, using the same ratio to be used when mixing MEFENOXAM 2EC. Set the injector to apply the indicator solution at the injection rate to be used in the actual MEFENOXAM 2EC application. Attach a 5 inch length of flexible tubing over the emitter closest to the injection point, another length over the emitter farthest away. Both emitters should be monitored to determine the time intervals that the indicator solutions are observed. Begin injecting the indicator solution. Direct the flow from the tubes at the emitters into a small container. Begin timing when the indicator solution is first detected, stop timing when the indicator solutions are no longer detected. If the period of detection of the indicator solution between the 2 emitters is within 2 minute of each other, comparable coverage will be obtained. If they are not, make adjustments by increasing the dilution ratio, using more water per part of MEFENOXAM 2EC, or adjust the injector to a slower flow rate. Once the system is calibrated, dilute the needed amount of MEFENOXAM 2EC with water using a minimum of 10 parts of water to 1 part MEFENOXAM 2EC. Do not begin to inject into the system until all emitters are producing equal flow rates, or until the system is at full pressure. Inject the MEFENOXAM 2EC into the system at the end of the irrigation set in 1/2 to 1 inch of irrigation water.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Public water system means a system for the provision to the public 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 for at least 60 days of the year.

Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water systems should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

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

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

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where the pesticide distribution is adversely affected.

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

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

ORNAMENTALS

MEFENOXAM 2EC controls water mold, damping off, root rot, stem rot and crown rot diseases caused by *Pythium spp.* and *Phytophthora spp.* MEFENOXAM 2EC can be used on a wide variety of container, bed and bench grown ornamental plants in greenhouses, shadehouses, nurseries, fields, landscapes and interiorscapes.

MEFENOXAM 2EC can be applied to the soil through irrigation systems, as a soil drench, as a soil surface spray, or as a soil incorporated mix prior to seeding or transplanting according to the guidelines below. When a rate range and application interval is recommended, use the lower rates for the shortest application intervals listed and higher rates for longer application intervals. MEFENOXAM 2EC can be tank mixed with other ornamental fungicides, however, do not mix with other products unless prior use has proven compatibility.

For soil drench applications, use enough of the specified MEFENOXAM 2EC water solution to wet the root zone of the plants. In general, 1 pt. (16 fl. ozs./sq. ft. of this solution is sufficient for ornamentals growing in containers or benches with 4 inches of growth media or less. Containers or benches with growing media greater than 4 inches generally require 1½ to 2 pts. (24-32 fl. ozs.) of solution/sq. ft. Where soil surface applications are made, irrigate with at least ½ inch of water if rainfall does not occur within 7 days of the application.

BEDDING, FLOWERING AND FOLIAGE PLANTS: Such as, but not limited to: Bedding plants - *Ageratum*, *Algerian Ivy*, *Artemisia*, *Aster*, *Begonia*, *Caladium*, *Carnation*, *Chrysanthemum*, *Coleus*, *Daisy*, *English Ivy*, *Foxglove*, *Gaillardia*, *Geranium*, *Impatiens*, *Marigold*, *Pansy*, *Petunia*, *Phlox*, *Pinks*, *Primrose*, *Prostate Rosemary*, *Salvia*, *Snapdragon*, *Verbena*, *Vinca*, *Zinnia*; Flowering plants - *African Violet*, *Anthurium*, *Baby's Breath*, *Carnation*, *Chrysanthemum*, *Columbine*, *Delphinium*, *Easter Lily*, *Geranium*, *Gloxinia*, *Poinsettia*, *Rose*; Foliage plants - *Aglaonema*, *Aphelandra*, *Dieffenbachia*, *Peperomia*, *Philodendron*, *Pothos*, *Schefflera*, *Sedum*, *Sempervivum*, *Zygocactus*.

Soil drench applications at the time of seeding: Mix 0.13 to 0.25 fl. oz. of MEFENOXAM 2EC in 100 gals. of water. For media with a depth of 2 to 3 inches, apply at a volume of 16 fl. ozs. per sq. ft.

Soil drench applications at the time of transplanting: Mix 0.25 to 1 fl. oz. of MEFENOXAM 2EC in 100 gals. of water. For media with a depth of less than 4 inches, apply at a volume of 16 fl. ozs. per sq. ft. For media with a depth of 4 inches or more, apply at a volume of 24 to 32 fl. ozs. per sq. ft. Repeat applications at 4 to 12 week intervals as needed. Do not apply rates greater than 0.75 fl. ozs. per 100 gals. more than once every six weeks. Do not exceed rates of 0.75 fl. ozs. per 100 gallons on foliage plants.

Soil surface spray applications in the landscape

Apply 1 fl. oz. MEFENOXAM 2EC per 1000 sq. ft. to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough distribution of the plant root zone. After application, irrigate with a minimum of a ½ inch of water if rainfall does not occur within seven days.

Soil media incorporation

Thoroughly mix 0.13 to 0.25 fl. oz. of MEFENOXAM 2EC into each cubic yard of soil media. Do not exceed 0.13 fl. oz. per cu. yard in medias to be used for bedding plants.

Application Restrictions

Do not apply more than 0.38 fl. oz. per 100 gals. to Pothos and do not make more than three applications.

Do not apply more than 0.5 fl. oz. per 100 gals. to Easter lilies and only make a single application at the time of planting.

Do not apply to English Ivy more than once every six months.

AZALEAS:

Soil Drench Applications

Mix 0.5 to 1.25 fl. ozs. of MEFENOXAM 2EC in 100 gallons of water. For media with a depth of less than 4 inches, apply at a volume of 16 fl. ozs.

per sq. ft. For media with a depth of 4 inches or more, apply at a volume of 24 to 32 fl. ozs. per sq. ft. Repeat applications at 2 to 4 month intervals as needed.

Do not apply rates greater than 1.0 fl. ozs. per 100 gallons more than once every 3 months, and do not exceed a total of 2.0 fl. ozs. in six months. Use only the lower rate for azalea variety "Coral Bell".

Foliar spray applications for control of *Phytophthora* shoot blight:

Mix 0.6 to 1.25 fl. ozs. of MEFENOXAM 2EC in 100 gallons of water and spray to runoff. Repeat at 2 to 3 month intervals as needed.

WOODY ORNAMENTALS OTHER THAN AZALEAS

Such as, but not limited to: *Aucuba japonica*, *Arborvitae*, *Boxwood*, *Ceanothus*, *Cotoneaster*, *Dogwood*, *Ficus*, "Halls" *Honeysuckle*, *Ilex*, *Juniperus spp.*, *Photinia*, *Pieris japonica*, *Pinus spp.*, *Pittosporum*, *Rhododendron*, *White cedar*, *White pine*, *Yew*.

Soil Drench Applications: Mix 0.5 to 2.0 fl. oz. of MEFENOXAM 2EC in 100 gals. of water. For media with a depth of less than 4 inches, apply at a volume of 16 fl. ozs. per sq. ft. For media with a depth of 4 inches or more, apply 24 to 32 fl. ozs. of solution per sq. ft. Repeat applications at two to three month intervals, if necessary. Do not apply rates greater than 1.6 fl. ozs. per 100 gals. more often than every ten weeks.

Soil surface spray applications in the landscape: Apply 1 to 2.5 fl. ozs. MEFENOXAM 2EC per 1,000 sq. ft. to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage in the plant root zone. After application, irrigate with a minimum of ½ inch of water if rainfall does not occur within seven days.

INTERIORSCAPE AND INDIVIDUAL PLANT USE

In situations where water volumes used are much less than 100 gals. and the area to be treated is small, the following table provides the MEFENOXAM 2EC rates to make small quantities of solution. Refer to the plant type for the correct fl. ozs. of product to use when utilizing this table.

Rate of MEFENOXAM 2EC (fl. ozs./100 gals.)	Amount of MEFENOXAM 2EC to add to water to make the following quantities			
	1 gallon	5 gallons	10 gallons	25 gallons
0.25	1 drop	5 drops	9 drops	22 drops 1.9 mls. ¾ tsp.
0.5	2 drops	9 drops	18 drops ½ tsp.	44 drops 3.7 mls. ¾ tsp.
1.0	4 drops	18 drops ½ tsp.	36 drops ¾ tsp.	88 drops 7.5 mls. 1½ tsp.
2.0	7 drops	36 drops ¾ tsp.	72 drops 6 mls. 1¼ tsp.	½ fl. oz. 15 mls. 3 tsp.

Plant Tolerance: Plant tolerance to MEFENOXAM 2EC has been shown to be acceptable on a wide variety of bedding, flowering, and foliage plants, as well as trees and shrubs. But due to the large number of species and varieties, neither the manufacturer nor the seller has determined whether or not MEFENOXAM 2EC can be used safely on all ornamental plants. Prior to any large-scale application on such plants, the user must determine the safety of MEFENOXAM 2EC by testing a small number of the type of plants to be treated at the recommended rates and under the desired growing conditions. The user assumes all risks arising out of application to untested plants.

CITRUS IN NURSERIES AND LANDSCAPES (NONBEARING):

For control of citrus foot rot, root rot, and trunk canker caused by *Phytophthora spp.*: MEFENOXAM 2EC can be applied to non-bearing citrus grown in nurseries and landscape plantings. Applications should

be made to the soil as a drench or as a banded spray, with initial applications made at the time of planting. Repeat applications can be made at 3-month intervals during periods of active growth.

Soil Drench Applications

Mix 2 to 3 fl. oz. of MEFENOXAM 2EC in 100 gallons of water. Apply as a drench over the row using a volume of 100 to 250 gallons per 1000 ft. of row. The width of the application should be wide enough to cover the root system of the plants.

Soil Surface Spray Applications

Apply 1 gallon per acre of treated soil in a broadcast or banded surface spray to seedbeds, liners, or bedded stock in sufficient water to obtain thorough coverage. For banded treatments, the treated area should be wide enough to cover the root system of plants. Application should be followed by a minimum of 1/2 inch of irrigation.

Note: Do not use in greenhouse citrus nursery stock intended for commercial fruit production.

CONIFERS/CHRISTMAS TREES IN NURSERIES AND PLANTATIONS

For control of *Phytophthora* root rot in conifers.

Seedbeds and Plugs

Apply 1.25 pints of MEFENOXAM 2EC in a minimum of 50 gallons of water per acre in the Spring and again in the Fall.

2-0 Transplants

Apply 2.5 pints of MEFENOXAM 2EC in a minimum of 50 gallons of water per acre in the Spring and again in the Fall.

Plantations

MEFENOXAM 2EC will aid in the control of *Phytophthora* root rot when used in conjunction with good cultural practices, but will not overcome poor practices such as planting on flood prone or poor draining sites.

Apply 0.6 to 1.25 gallons of MEFENOXAM 2EC in a minimum of 50 gallons of water per acre as a directed soil spray. Do not apply to the foliage. Make applications in the early Spring before active growth begins and again in the Fall before the ground freezes. For best results, apply 1/2 to 1 inch of irrigation if rain does not occur within 3 days of application.

DECIDUOUS NONBEARING FRUIT AND NUT TREES

MEFENOXAM 2EC is effective in the control of *Pythium* root rot and *Phytophthora* root rot, crown rot and collar rot of nonbearing deciduous fruit and nut trees. Apply 3 fl. ozs. of MEFENOXAM 2EC per 1000 square feet in sufficient water to obtain thorough coverage of the soil underneath the canopy of the trees. Treat enough area to cover the root zones of the plants. Repeat applications may be made at 3-month intervals as needed during the growing season.

Do not apply to trees that will bear harvestable fruit or nuts within 12 months of the last application.

Do not apply more than 8.8 fl. ozs. per 1000 square feet (or 3 gallons per acre) of MEFENOXAM 2EC in any one year.

LAWNS AND TURF

MEFENOXAM 2EC is effective for the control of pythium blight, cottony blight, grease spot, spot blight, root rot, crown rot and damping off caused by *Pythium spp.* MEFENOXAM 2EC is also effective in controlling yellow tuft (downy mildew) in bluegrass and downy mildew in St. Augustine grass.

MEFENOXAM 2EC can be applied to the turf through irrigation systems, or as a surface spray. When a rate range and application interval is recommended, use the lower rates for the shortest application intervals listed, and higher rates for longer application intervals. For broad spectrum disease control, MEFENOXAM 2EC can be tank mixed with other turf fungicides, however, do not mix with other products unless prior use has proven compatibility.

ESTABLISHED LAWNS AND TURF

Apply 0.5 to 1 fl. ozs. of MEFENOXAM 2EC in 1 to 5 gallons of water per 1000 sq. ft. as a preventative treatment. Retreat at 10 to 21 day intervals as needed. During conditions favorable to disease development, apply the 1 fl. oz. rate on a 14 day schedule.

NEWLY SEEDED LAWNS AND TURF

Apply 0.5 to 1 fl. ozs. of MEFENOXAM 2EC in 1 to 5 gallons of water per 1000 sq. ft. immediately after seeding and irrigate with 1/4 to 1/2 inch of water. During conditions favorable to disease development, retreat at 7 to 14 day intervals.

NOTE: For long term control of pythium in areas when using seed treated with the active ingredient contained in MEFENOXAM 2EC, make an application of MEFENOXAM 2EC 7 to 10 days after seeding.

Precautions: To minimize the potential for resistance, it is recommended that no more than 3 applications of the active ingredient mefenoxam may be made per season. It is also recommended that fungicides of a different chemical class be applied in rotation between applications of MEFENOXAM 2EC.

STORAGE AND DISPOSAL

Store at temperatures above 40°F. Crystals may form at lower storage temperatures. If this occurs, place the product in a warm room (68°F or above) and roll or shake the container at frequent intervals until all the crystals are dissolved.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Wastes resulting from the use of this product are acutely toxic. Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to federal, state, or local procedures. For guidance in proper disposal methods, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional Office.

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of 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, leaks, etc. follow all precautions, indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other chemical emergency, call (800) 424-9300, day or night.

EMERGENCY ASSISTANCE:

UNIROYAL CHEMICAL EMERGENCY PHONE 203-723-3670
SAFETY DATA AND INFORMATION 203-573-3303
TRANSPORTATION EMERGENCY (CHEMTREC) 800-424-9300

IMPORTANT NOTICE—Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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