

Mefenoxam 2 AQ

Specimen Label

An aqueous flowable fungicide for the control of certain diseases in various turf, nursery, and ornamental crops caused by the Oomycete class of fungi.

Active Ingredient:

Mefenoxam*: (R)-2-[(2,6-dimethylphenyl) methoxyacetyl]amino propionic acid methyl ester22.5%

Other Ingredients:77.5%

Total:100.0%

*Contains 2 lbs. active ingredient per gallon.

EPA Reg. No. 70252-11-73220

EPA Est. No. 37429-GA-2

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If in eyes	<ul style="list-style-type: none"> 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.
If on skin or clothing	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of soap and water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> Call a poison control center or doctor. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.
<p>HAVE THE PRODUCT CONTAINER OR LABEL WITH YOU WHEN CALLING A POISON CONTROL CENTER OR DOCTOR OR GOING FOR TREATMENT. For medical emergencies involving this product, call 1-800-308-5391.</p>	
<p>NOTE TO PHYSICIAN: If ingested, induce emesis or lavage stomach. Treat symptomatically.</p>	

See additional Precautionary Statements and Directions for Use inside booklet.

Manufactured for FarmSaver.com, LLC • P.O. Box 21365 • Seattle, WA 98111

Net Contents: 2.5 Gallons (9.48 liters)

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals
CAUTION

Harmful if absorbed through the skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material
- Shoes plus socks

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

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 apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

Groundwater Advisory

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.

Physical or Chemical Hazards

Do not use, pour, spill or store near heat or open flame.

DIRECTIONS FOR USE

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

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

Agricultural Use Requirements

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

Do not enter or allow worker entry into treated areas. **Exception:** If the product is soil incorporated, or applied by drenching, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated areas if there will be no contact with anything that has been treated. The REI for chemigation via microsprinklers, floor drip, and drip line irrigation is zero hours. The REI for soil surface applications is zero hours after sufficient rainfall occurs or overhead or hand held irrigation is used to thoroughly wash the product into the soil and off any foliage.

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 made of any waterproof material
- Shoes plus socks

Non-Agricultural Use Requirements

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

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

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

GENERAL INFORMATION

Quali-Pro Mefenoxam 2 AQ is an aqueous flowable systemic fungicide for use on select turf, nursery, and ornamental crops to control certain diseases caused by members of the Oomycete class of fungi. Other fungicides must be used to control diseases incited by other classes of fungi.

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Note: Quali-Pro Mefenoxam 2 AQ is a systemic fungicide having a specific mode of action and its use could be subject to development of insensitive strains of fungi. Development of insensitivity cannot be predicted. Therefore, FarmSaver.com LLC cannot assume liability for crop damage resulting from insensitive strains of fungi. If treatment is not effective following the use of Quali-Pro Mefenoxam 2 AQ as recommended, an insensitive strain of fungi may be present. If the treatment is ineffective due to the presence of an insensitive strain of fungi, neither Quali-Pro Mefenoxam 2 AQ 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 field grown tobacco, or other 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.

Do not make foliar applications unless specified since this practice may encourage more rapid development of insensitivity.

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 INSTRUCTIONS

Prepare only the amount of spray mixture that is immediately required. Agitate the spray solution continuously during mixing and application. Thoroughly rinse the mix tank and spray tank with clean water after each day's use and dispose of rinse water by application to area(s) already treated.

Quali-Pro Mefenoxam 2 AQ Alone: Add 1/4 - 1/2 of the required amount of water to the spray tank. With the agitator running, add the proper amount of Quali-Pro Mefenoxam 2 AQ, then add the rest of the water. Begin application of the spray solution after this product has completely dispersed into the mix water. Maintain agitation until all of the mixture has been sprayed.

Tank Mixtures: When tank mixing other products with Quali-Pro Mefenoxam 2 AQ, 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 liquid flowable products such as Quali-Pro Mefenoxam 2 AQ, with emulsifiable concentrates added last. Provide continuous agitation during mixing and application.

Note: When tank mixing with products packaged in water-soluble packaging, those products should be added to the mix tank first and the water-soluble packaging must be allowed to completely dissolve and the product(s) allowed to completely disperse before adding any other tank-mix partner to the tank.

Note: Compatibility with tank-mix partners must be determined. To determine the compatibility of Quali-Pro Mefenoxam 2 AQ with 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 should be considered compatible.

BEFORE TANK MIXING QUALI-PRO MEFENOXAM 2 AQ 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 QUALI-PRO MEFENOXAM 2 AQ. OBSERVE ALL DIRECTIONS, PRECAUTIONS AND LIMITATIONS OF TANK MIX PARTNER LABELS, OBSERVING THE MOST RESTRICTIVE REQUIREMENT(S).

APPLICATION INSTRUCTIONS (GENERAL)

Apply Quali-Pro Mefenoxam 2 AQ by ground in sufficient water or liquid fertilizer to provide uniform coverage of the soil surface. Apply in a minimum of 20 gals/ac for ground applications, 5 gals/ac by air. Refer to the specific crop use directions for application recommendations.

For banded applications, the treated area is actually the area covered by the band, not the 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 the 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 Quali-Pro Mefenoxam 2 AQ needed per acre of crop when banded applications are made:

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

APPLICATION THROUGH IRRIGATION SYSTEMS

Quali-Pro Mefenoxam 2 AQ, 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, moving wheel, micro-sprinkler, pressurized drench (flood) or drip (trickle), micro-irrigation such as spaghetti tube or individual tube irrigation, calibrated hand-held irrigation equipment such as the hand-held wand with injector, calibrated overhead watering booms, ebb and flow or bench flooding sub or drip 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. Quali-Pro Mefenoxam 2 AQ 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 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.

Safety Devices for Chemigation Systems Connected to Public Water Systems

If the source of water for your irrigation system is a public water supply, follow the instructions below.

1. A "public water system" is a system used to provide to the public piped water for human consumption if such system has a minimum of 15 service connections or regularly serves an average of a minimum of 25 individuals per day at least 60 days of the year.
2. A chemigation system that is connected to a public water system must contain a functional, reduced pressure zone, backflow preventer (RPZ) (or the functional equivalent) in the water supply line upstream from where the pesticide is introduced. An option to the RPZ: Discharge the water from the public water system into a reservoir tank before pesticide introduction. There must be a complete physical break (air gap) between the fill pipe's outlet end and the top (or overflow) rim of the reservoir tank of at least twice the fill pipe's inside diameter.
3. The pesticide injection pipeline must contain a functional, automatic quick closing check valve that will prevent the flow or fluid from flowing back toward the injection pump.
4. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve that is located on the injection pump's intake side and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either manually or automatically shut down.
5. The system must contain functional interlocking controls that will automatically shut off the pesticide injection pump when the water pump motor stops, or if there is no water pump, when water pressure decreases to the point when pesticide distribution is adversely affected.
6. Systems must use a metering pump, as a positive displacement injection pump (e.g., diaphragm pump) that is effectively designed and constructed of materials compatible with pesticides and that is capable of being fitted with a system interlock.
7. Do not apply this product when wind speed favors drift beyond the area that is intended for treatment.

Safety Devices for Chemigation Systems Not Connected to a Public Water Supply

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.
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—Irrigation Systems

Quali-Pro Mefenoxam 2 AQ must be applied on the schedule specified in the specific crop use recommendations, not according to the irrigation schedule.

Quali-Pro Mefenoxam 2 AQ 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 at full strength; always dilute with at least 10 parts water to 1 part Quali-Pro Mefenoxam 2 AQ.

Center Pivot Irrigation Equipment

Use only with drive systems that provide uniform distribution.

1. Determine the size of the area to be treated.
2. Determine the time required to apply 1/2 to 1 inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as recommended by the equipment manufacturer. Run the system at 80 - 95% of the manufacturer's rated capacity.
3. Using water, determine the injection pump output when operated at normal line pressure.
4. Determine the amount of Quali-Pro Mefenoxam 2 AQ required to treat the area covered by the irrigation system.

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5. Add the required amount of Quali-Pro Mefenoxam 2 AQ and sufficient water to the solution (mix) tank to meet the injection time requirements to the solution tank.
6. Make sure the system is fully charged with water before starting injection of the Quali-Pro Mefenoxam 2 AQ 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. Continue to operate the system until the Quali-Pro Mefenoxam 2 AQ solution has cleared the last sprinkler head.

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 Quali-Pro Mefenoxam 2 AQ required to treat the area covered by the irrigation system.
4. Add the required amount of Quali-Pro Mefenoxam 2 AQ into the same quantity of water used to calibrate the injection period.
5. Operate the system at the same pressure and time interval established during the calibration.
6. Inject Quali-Pro Mefenoxam 2 AQ at the end of the irrigation cycle in 1/2 - 1 inch of water or as a separate application to maximize the effectiveness of the fungicide. Do not apply in excess of 1 inch of water.
7. Stop injection equipment after treatment is completed. Continue to operate the system until the Quali-Pro Mefenoxam 2 AQ solution has cleared the last sprinkler head.

Micro Sprinkler, Overhead Watering Booms, or Drip Irrigation Systems

General Instructions

1. 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.
2. Only pressure injection or venturi equipment is recommended.
3. Determine the area to be treated in each irrigation run.
4. Measure the output of each of the emitters or drip tubes closest to and farthest from the injector site.
5. For calibration, substitute a concentrated detergent (such as Wisk) or a soluble fertilizer for the Quali-Pro Mefenoxam 2 AQ 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 times are not within 2 minutes of each other, adjust the dilution ratio and/or the injection rate.
6. If a soluble fertilizer is used, measure the time intervals with a salt bridge. If a drip system is being calibrated, substitute soluble fertilizer for the Quali-Pro Mefenoxam 2 AQ in the injector and measure the time intervals with a salt bridge.

Step-by-Step Instructions

1. Before starting to calibrate, operate the system until all the emitters are putting out at equal flow rates or until the system is operating at full pressure.
2. Make up an indicator solution of detergent or fertilizer, using the same ratio to be used when mixing the Quali-Pro Mefenoxam 2 AQ.
3. Set the injector to apply the indicator solution at the injection rate to be used in the actual Quali-Pro Mefenoxam 2 AQ application.
4. 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.
5. 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.
6. If the period of detection of the indicator solution between the 2 emitters is within 2 minutes 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 Quali-Pro Mefenoxam 2 AQ, or adjust the injector to a slower flow rate.
7. Once the system is calibrated, dilute the needed amount of Quali-Pro Mefenoxam 2 AQ with water in the mix tank using a minimum of 10 parts water to 1 part Quali-Pro Mefenoxam 2 AQ in the solution tank.
8. Do not begin to inject Quali-Pro Mefenoxam 2 AQ into the system until all emitters are producing equal flow rates, or until the system is at full pressure.

Inject the Quali-Pro Mefenoxam 2 AQ into the system at the end of the irrigation set in 1/2 - 1 inch of irrigation water.

NON-CROP USES

ORNAMENTALS

Use Quali-Pro Mefenoxam 2 AQ on container, bench, or bed-grown ornamentals in greenhouses or outdoor nurseries, and for use on ornamentals grown for indoor and outdoor landscaping, for control of damping-off, and root and stem rot diseases caused by Pythium and Phytophthora. Quali-Pro Mefenoxam 2 AQ may be applied through irrigation systems, as a soil drench or as a soil surface spray, or incorporated into a soil mix for subsequent seeding or transplanting of ornamentals. **Within a rate range given for a specific group of ornamentals, use the lower rate for the shortest interval listed and the higher rate for the longest interval. Under severe disease conditions, use the highest rate and the shortest interval.**

For drench applications, use enough of the specified Quali-Pro Mefenoxam 2 AQ water solution to wet the root zone of plants. In general, 1 pt./sq. ft. of this solution is sufficient for ornamentals growing in containers with 4 inches of growth media. Containers with growth media depth greater than 4 inches generally require 1 1/2 - 2 pts/sq ft of the solution. If soil surface applications are made, irrigate with at least 1/2 inch of water if rainfall does not occur within 7 days.

NOTICE TO USER: Due to the large number of species and varieties of ornamentals and nursery plants, it is impossible to test every one for tolerance to Quali-Pro Mefenoxam 2 AQ. Neither the manufacturer nor the seller has determined whether or not Quali-Pro Mefenoxam 2 AQ can be used safely on ornamental and nursery plants not specified on this label. The professional user should determine if Quali-Pro Mefenoxam 2 AQ can be used safely prior to commercial use. In a small area, test the recommended rates for a particular group of unlabeled plants, i.e., bedding plants, foliage, etc., for phytotoxicity prior to widespread use.

Foliage Plants Aglaonema, Aphelandra, Dieffenbachia, Peperomia, Philodendron*, Pothos, Schefflera, Sedum, Sempervivum, Zygocactus	<p>DRENCH: Mix 0.12 - 0.6 fl oz. with 100 gals of water. Apply 1 pt solution per sq ft. For growth media depth greater than 4 inches, apply 1 1/2 - 2 pts solution per sq ft. Repeat applications at 1 to 3-month intervals, if necessary.</p> <p>*On Philodendron, use 0.2 - 1.0 fl oz/100 gals.</p> <p><i>Precaution: To minimize the potential for injury to Pothos, do not use more than 0.38 fl oz/100 gals and do not apply more frequently than once every 3 months.</i></p> <p>SOIL MIX: Thoroughly mix 0.06 - 0.26 fl oz with each cu yd of soil mixture.</p> <p>SOIL SURFACE SPRAY: Apply 0.2 - 1.0 fl oz/1,000 sq ft to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage of the plant root zone. After application, irrigate with a minimum of 1/2 inch of water if rainfall does not occur within 7 days.</p>
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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, Prostrate Rosemary, Salvia, Snapdragon, Verbena, Vinca, Zinnia	<p>DRENCH At Seeding (Soil 2 - 3 inches deep): Mix 0.06 - 0.26 fl oz with 100 gals of water and apply 1 pt solution per sq ft.</p> <p>DRENCH At Transplanting (Soil 2 - 3 inches deep): Mix 0.2 - 1.0 fl oz with 100 gals of water and apply 1 pt solution per sq ft. For growth media depth greater than 4 inches, apply 1 1/2 - 2 pts solution per sq ft. Repeat applications at 1 to 2-month intervals, if necessary. Do not apply rates of 0.75 - 1.0 fl oz/100 gals more often than once every 6 weeks.</p> <p>SOIL MIX At Seeding and At Transplanting: Thoroughly mix 0.02 - 0.12 fl oz with each cu yd of soil mixture.</p> <p>SOIL SURFACE SPRAY: Apply 0.2 - 1.0 fl oz/1,000 sq ft to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage of the plant root zone. After application, irrigate with a minimum of 1/2 inch of water if rainfall does not occur within 7 days.</p>
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Flowers African violet, Anthurium, Baby's breath, Carnation, Chrysanthemum, Columbine, Delphinium, Easter lily, Geranium, Gloxinia, Poinsettia, Rose	<p>DRENCH: Mix 0.2 - 1.0 fl oz with 100 gals of water and apply 1 pt solution per sq ft. For growth media depth greater than 4 inches, apply 1 1/2 - 2 pts solution per sq ft. Repeat applications at 1 to 2-month intervals, if necessary. Do not apply rates of 0.76 - 1.0 fl oz/100 gals more often than every 6 weeks.</p> <p><i>Precaution: Do not apply more than 0.5 fl. oz./100 gal water to Easter lily and only make one at-planting application.</i></p> <p>SOIL SURFACE SPRAY: apply 0.2 - 1.0 fl oz/1,000 sq ft to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage of the plant root zone. After application, irrigate with a minimum of 1/2 inch of water if rainfall does not occur within 7 days.</p>
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Azaleas	<p>DRENCH: Phytophthora root and crown rot – Mix 0.26 – 1.2 fl oz with 100 gals of water and apply 1 pt solution per sq ft. For growth media depth greater than 4 inches, apply 1 1/2 – 2 pts solution per sq ft. Repeat applications at 2 to 4-month intervals, if necessary.</p> <p>SOIL SURFACE SPRAY: Apply 0.5 – 2.5 fl oz/1,000 sq ft to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage of the plant root zone. After application, irrigate with a minimum of 1/2 inch of water if rainfall does not occur within 7 days.</p> <p><i>Precautions: (1) To minimize the potential for injury to azaleas, do not apply repeat soil applications of 1.2 fl. oz./100 gal closer than every 3 months, and do not exceed a total of 2 fl. oz. in 6 months. (2) Use the lower rate for "Coral Bell" variety.</i></p>
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Woody Ornamentals Other Than Azaleas <i>Aucuba japonica,</i> Arborvitae, Boxwood, Ceanothus, Cotoneaster, Dogwood, Ficus, "Halls" Honeysuckle, Ilex, <i>Juniperus spp.,</i> Photinia, Pieris japonica, <i>Pinus spp.,</i> Pittosporum, Rhododendron, White cedar, White pine, Yew	<p>Drench: Mix 0.4 – 2 fl oz with 100 gals of water and apply 1 pt solution per sq ft. For growth media depth greater than 4 inches, apply 1 1/2 – 2 pts solution per sq ft. Repeat applications at 2 to 3-month intervals, if necessary. Do not apply rates of 1.0 fl oz/100 gals more often than every 10 weeks.</p> <p>SOIL SURFACE SPRAY: Apply 0.5 – 2.5 fl oz/1,000 sq ft to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage of the plant root zone. After application, irrigate with a minimum of 1/2 inch of water if rainfall does not occur within 7 days.</p>
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INTERIORESCAPE AND INDIVIDUAL PLANT USE

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

Rate of Quali-Pro Mefenoxam 2 AQ (fl. oz.) /100 gals.	Amount of Quali-Pro Mefenoxam 2 AQ to Add to Water to Make the Following Quantities			
	1 gal.	5 gals.	10 gals.	25 gals.
0.5	2 drops	10 drops	20 drops	50 drops / 1.0 ml
1.0	4 drops	20 drops	40 drops	100 drops / 2 ml
2.0	8 drops	40 drops	80 drops / 1.5 ml	200 drops / 4 ml / 2/3 tsp.
4.0	16 drops	80 drops / 1.5 ml	3 ml / 0.5 tsp.	8 ml / 1 1/3 tsp.

Apply enough solution to wet the root area of the plants.

CITRUS IN NURSERIES (AZ, CA, FL, and PR Only)

Make the first application of Quali-Pro Mefenoxam 2 AQ at the time of planting. Make repeat applications at 3-month intervals during the period when trees are actively growing. For banded applications, use a band wide enough to cover the root systems of the plants. Do not apply Quali-Pro Mefenoxam 2 AQ solutions to bare roots.

Soil Drench: Apply 2 – 3 fl oz/100 gals of water as a drench over the row at a rate of 100 – 250 gals/1,000 ft. of row. The width of the drench treatment should be wide enough to cover the root systems of the plants. Follow with a 1/2 – 1-inch irrigation over the treated area.

Soil Surface Spray: Apply 2 – 4 qts per treated acre in a broadcast or banded surface spray to seedbeds, liners, or bedded stock in sufficient water to obtain thorough coverage. If applications are banded, the treated area should be wide enough to cover the root systems of the plants. Follow the applications with a 1/2 – 1-inch irrigation over the treated area.

Note: Do not use Quali-Pro Mefenoxam 2 AQ for disease control in greenhouse nurseries.

CITRUS IN NURSERIES AND LANDSCAPE PLANTINGS (NONBEARING)

Use Quali-Pro Mefenoxam 2 AQ on nonbearing citrus for control of citrus foot rot, root rot, and trunk canker caused by Phytophthora spp. Apply to the soil as a drench or as spray in a banded application.

Make the first application of Quali-Pro Mefenoxam 2 AQ at the time of planting. Make repeat applications at 3-month intervals during the period when trees are actively growing.

Soil Drench: Mix 0.6 – 3.0 fl. oz/100 gals of water and apply as a drench over the row at the rate of 100 – 250 gals/1,000 ft. of row. The width of the drench treatment should be wide enough to cover the root systems of the plants.

Soil Surface Spray: Apply 0.2 – 1.0 gal/A of treated soil in a broadcast or banded surface spray to seedbeds, liners, or bedded stock in sufficient water to obtain uniform coverage. If applications are banded, the treated area should be wide enough to cover the root systems of the plants. Follow with 1/2 inch irrigation.

Calculate the amount of Quali-Pro Mefenoxam 2 AQ needed for a banded treatment by using the formula at the end of the **APPLICATION INSTRUCTIONS** section of this label.

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

CONIFERS IN NURSERIES AND PLANTATIONS (INCLUDING CHRISTMAS TREES)

Quali-Pro Mefenoxam 2 AQ provides control of Phytophthora root rot of conifers.

Conifers in Nurseries

Seedbeds and Plug-Plantings	Apply 0.25 – 1.25 pt Quali-Pro Mefenoxam 2 AQ in at least 50 gals of water per acre in the spring and again in the fall.
2-0 Transplants	Apply 0.5 – 2.5 pts Quali-Pro Mefenoxam 2 AQ in at least 50 gals of water per acre in the spring and again in the fall.

Conifers in Plantations

Use of Quali-Pro Mefenoxam 2 AQ will aid in the control of Phytophthora root rot when used in conjunction with good cultural practices. The use of Quali-Pro Mefenoxam 2 AQ will not overcome poor management practices such as planting on sites that are prone to flooding or are poorly drained. Quali-Pro Mefenoxam 2 AQ fungicide will not revitalize trees showing moderate to severe disease symptoms.

Apply 0.25 – 1.25 gal of Quali-Pro Mefenoxam 2 AQ per acre in a minimum of 50 gals of water as a directed soil spray. Do not apply as a foliar spray. Applications should be made in early spring before growth starts and in the fall before the ground freezes. Calculate the amount of Quali-Pro Mefenoxam 2 AQ needed for a banded treatment by using the formula in the **APPLICATION INSTRUCTIONS** section of the label.

For best results, apply 1/2 – 1 inch of water after application if rain is not expected within 3 days.

DECIDUOUS FRUITS AND NUTS IN NURSERIES (NONBEARING)

Quali-Pro Mefenoxam 2 AQ provides control of Pythium root rot and Phytophthora root, crown, and collar rot of nonbearing deciduous fruits and nuts.

Apply 0.6 – 3.0 fl oz/1,000 sq ft in sufficient water to obtain thorough coverage of the soil under the canopy of the trees. Treat sufficient surface area in nurseries to cover the root zone of the plants. Additional applications may be made as necessary at 3-month intervals during the growing season.

Notes: (1) Do not apply to trees that will bear harvestable fruit within 12 months of the last application, or possible illegal residues may result. (2) Do not apply more than 8.8 oz/1,000 sq. ft. (3.0 gals/A) of Quali-Pro Mefenoxam 2 AQ per year.

TURF

Quali-Pro Mefenoxam 2 AQ controls Pythium blight and Pythium damping-off in turf, yellow tuft (downy mildew) in bluegrass, and downy mildew in St. Augustine grass. **Within the rate range given for turf, use the lower rate for the shortest interval listed and the higher rate for the longest interval. Under severe disease conditions, use the highest rate and shortest interval.**

Established Turf Pythium Blight, Yellow Tuft, Downy mildew	Apply as a preventative treatment at 0.2 – 1.0 fl oz in 1-5 gals of water per 1,000 sq. ft. Retreat at 10 to 21-day intervals. During periods of prolonged conditions favorable for disease development, use 0.5 – 1.0 fl oz on a 14-day schedule.
Newly Seeded Areas Pythium Damping-off, Pythium blight, Yellow Tuft, Downy Mildew	Apply 0.2 – 1.0 fl oz in 1-5 gals of water per 1,000 sq ft immediately after seeding. Irrigate with 1/4 – 1/2 inch water. Re-treat at 7 to 14-day intervals if conditions remain favorable for disease. Note: For long-term control of Pythium in areas when using seed treated with the active ingredient contained in Quali-Pro Mefenoxam 2 AQ, make an application of Quali-Pro Mefenoxam 2 AQ at 7 – 10 days after seeding.

Note: For control of other diseases of turf, use Banner alone or in a tank mix combination with Quali-Pro Mefenoxam 2 AQ. Refer to the Banner label for rates, precautions, restrictions, etc.

Precautions: To minimize the potential for insensitivity, (1) Make no more than 3 applications per season of any product in which the Quali-Pro Mefenoxam 2 AQ active ingredient is applied alone, and (2) Apply an alternate EPA-registered fungicide for Pythium control at least once during the season.

Mefenoxam 2 AQ

Specimen Label

REPLANTING

If replanting is necessary, additional applications of Quali-Pro Mefenoxam 2 AQ may be made, provided that that total amount of active ingredient applied does not exceed the maximum allowed for the specific crop.

ROTATION (PLANTBACK) RESTRICTION

Do not plant any crop which is not registered for use with products containing the active ingredient mefenoxam in soil treated with Quali-Pro Mefenoxam 2 AQ for a period of 12 months unless a shorter interval is specified on the following list.

Rotation Crop	Planting Time From Last Quali-Pro Mefenoxam 2 AQ Application
Alfalfa (including birdsfoot trefoil)	0 days
Almonds	
Apples	
Asparagus	
Avocados	
Blueberries	0 days
Deciduous Fruits and Nuts*	
Eggplant	
Garlic	
Ginseng	
Grapes	
Grasses**	
Hops	
Leafy Vegetables (Excluding Brassica)	
Legume Vegetables (beans and peas—succulent and dried)	
Onions (dry bulb, green, and seed)	
Papaya	
Peanuts	
Peppers	
Pineapples	
Potatoes	

Rotation Crop	Planting Time From Last Quali-Pro Mefenoxam 2 AQ Application
Raspberries	0 days
Root and Tuber Vegetables	
Soybeans	
Spinach	
Stone Fruits	
Strawberries	
Sugar Beets	
Tobacco	
Tomatoes	
Walnuts	
Cereal Grains (other than corn)	14 days
Corn	9 months
Crops Not Intended for Food or Feed	0 days
All Other Crops Intended for Food or Feed	12 months

* These crops and other perennial crops may be planted immediately following last application of Quali-Pro Mefenoxam 2 AQ, provided they will not bear harvestable fruit within 12 months.

** Any grass, Gramineae family (either green or cured), except do not rotate to any of the following for 12 months after application: sugar-cane; any cereal grains that will be fed to or grazed by livestock; any enclosed pasture grass; and grass grown for hay or silage such as bermudagrass, bluegrass, brome grass or fescue.

STORAGE AND DISPOSAL

PESTICIDE STORAGE

Do not use, pour, spill or store near heat or open flame.

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 and disposal of wastes.

In the event of a major spill, fire, or other emergency, call Chemtrec at 1-800-424-9300, day or night.

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 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 use of the product in a manner inconsistent with its labeling, all of which are beyond the control of FarmSaver.com, LLC or the seller. All such risks shall be assumed by the buyer.

FarmSaver.com, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the **DIRECTIONS FOR USE** when it is used in accordance with such directions, subject to the inherent risks mentioned above.

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