OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

September 03, 2026

**SENT BY EMAIL**

Audrey Sehn
audrey.sehn@upl-ltd.com
UPL NA, INC.

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 - Add DO NOT in two places on page 10 under USE INSTRUCTIONS.
Product Name: MICROTHIOL DISPERSS
Admin Number: 70506-187
EPA Receipt Date: 07/15/2026
Action Case Number: 00711126

Dear Audrey Sehn:

The U.S. Environmental Protection Agency is in receipt of your application for notification under Pesticide Registration Notice 98-10 for the above referenced product. The EPA has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

If you have questions, please contact Senedu Alemu via email at alemu.senedu@epa.gov.

Sincerely,

Kable Bo Davis

Kable Bo Davis, Senior Advisor
FB, RD
Office of Pesticide Programs

| Sulfur | GROUP | M2 | FUNGICIDE |
|---|---|---|---|

# MICROTHIOL® DISPERSS®

## MICRONIZED WETTABLE SULFUR

**ACTIVE INGREDIENT:**
Sulfur..... 80.0%
**OTHER INGREDIENTS:**..... 20.0%
**TOTAL:**.....100.0%
MICROTHIOL DISPERSS contains 0.8 pound of sulfur per pound of product.

EPA Reg. No. 70506-187 EPA Est. No.

**[OPTIONAL REFERRAL STATEMENTS ON COMMERCIAL PACKAGING:**
**See inside for additional Precautionary Statements and complete Directions For Use.**
**For base label attached to booklet: See attached booklet for additional Precautionary Statements and complete Directions For Use.]**

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

| FIRST AID | |
|---|---|
| **IF ON SKIN OR CLOTHING:** | • Take off contaminated clothing.<br>• Rinse skin immediately with plenty of water for 15 - 20 minutes.<br>• Call a poison control center or doctor for treatment advice. |
| **IF SWALLOWED:** | • Call a poison control center or doctor for treatment advice.<br>• Have person sip a glass of water if able to swallow.<br>• **DO NOT** induce vomiting unless told to do so by poison control center or doctor.<br>• **DO NOT** give anything by mouth to an unconscious person. |
| **IF INHALED:** | • Move person to fresh air.<br>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.<br>• Call a poison control center or doctor for treatment advice. |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of medical emergency, call Rocky Mountain Poison Control and Drug at 1-866-673-6671. | |

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300**

## NET WEIGHT: _____ POUNDS

**UPL NA Inc.** •
PO Box 12219
Research Triangle Park, NC 27709U.S.A. • 1-800-438-6071

NOTIFICATION
70506-187
The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:
09/03/2026



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## PRECAUTIONARY STATEMENTS
## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing dust or spray mist. Avoid contact with skin, eyes, or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

**PERSONAL PROTECTIVE EQUIPMENT**

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, and viton ≥ 14 mils.

Applicators and other handlers must wear:
• long-sleeved shirt and long pants
• chemical resistant gloves made of any waterproof material including polyethylene or polyvinyl chloride
• shoes plus socks
• personal protective eyewear

**USER SAFETY REQUIREMENTS**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**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. If pesticide gets on skin, wash immediately with soap and water.

**ENVIRONMENTAL HAZARDS**

**DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** apply where runoff is likely to occur. **DO NOT** contaminate water when disposing of equipment washwaters.

## 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.



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**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 24 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, including plants, soil, or water, is:

• coveralls
• chemical resistant gloves made of any waterproof material
• shoes plus socks
• protective eyewear

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box only 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.

For non-agricultural turf and grass uses (golf courses, home lawns, and landscapes around buildings) **DO NOT** enter or allow entry into treated area until sprays have dried.

## RESISTANCE MANAGEMENT

For resistance management, please note that **MICROTHIOL DISPERSS** contains a Group M2 fungicide. Any fungal population may contain individuals naturally resistant to **MICROTHIOL DISPERSS** and other Group M2 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Follow appropriate resistance management strategies.

To delay fungicide/bactericide resistance, take one or more of the following steps:

- Avoid application of more than the specified maximum number of applications of **MICROTHIOL DISPERSS** or other fungicides in the same group in a season.
- Use tank mixtures with fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.



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- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.

- Monitor treated fungal populations for resistance development.

- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and /or IPM guidance for specific crops and pathogens.

- For information or to report suspected resistance contact UPL NA Inc. at 1-800-438-6071. You can also contact your pesticide distributor or university extension specialist to report resistance.

**MANDATORY SPRAY DRIFT**

**Aerial Applications**
**DO NOT** release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
Applicators must use ½ swath displacement upwind at the downwind edge of the field.
Nozzles must be oriented so the spray is directed toward the back of the aircraft.
**DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
**DO NOT** apply during temperature inversions.

**Ground Applications**
Apply with the nozzle height specified by the manufacturer, but no more than 3 feet above the ground or crop canopy.
For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
**DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
**DO NOT** apply during temperature inversions.

**Boom-less Ground Applications:**
Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
**DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
**DO NOT** apply during temperature inversions.

**SPRAY DRIFT ADVISORIES**
THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.
IMPORTANCE OF DROPLET SIZE
An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.
**Controlling Droplet Size - Ground Boom**



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Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
Pressure - Use the lowest spray pressure specified for the nozzle to produce the target spray volume and droplet size.
Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.
Controlling Droplet Size - Aircraft
Adjust Nozzles - Follow nozzle manufacturers specifications for setting up nozzles. To reduce fine droplets, nozzles must be oriented parallel with the airflow in flight.

**BOOM HEIGHT - Ground Boom**

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom must remain level with the crop and have minimal bounce.

**RELEASE HEIGHT - Aircraft**

Higher release heights increase the potential for spray drift. When applying aerially to crops, **DO NOT** release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.

**SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

**TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

**TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

**WIND**

Drift potential increases with wind speed. AVOID APPLICATIONS DURING GUSTY **WIND CONDITIONS.**

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.
Boom-less Ground Applications:
Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.
Handheld Technology Applications:
Take precautions to minimize spray drift.

**CHEMIGATION USE DIRECTIONS:**

Apply this product only through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, hand move; or drip (minimicro sprinklers, strip tubing, trickle) 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.



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If you have any questions about calibration, 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.

**PRECAUTION:** Corrosion of aluminum and carbon/galvanized steel irrigation sprinkler systems may be experienced with the use of sulfur fungicides. If the user elects to apply this product through such systems, it is essential that all application equipment containing this product be thoroughly flushed with clean water after each day's use. Continue to operate system with clean water until all product has cleared the last sprinkler head.

**MICROTHIOL DISPERSS** may be applied in conjunction with chemically neutral liquid fertilizers.

**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 at least 60 days out 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 system must 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 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 pesticide distribution is adversely affected.

Systems must use a metering pump, including 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.

**SPRINKLER CHEMIGATION**
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.



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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.

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, including a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being filled with a system interlock.

**DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

**DRIP (TRICKLE) CHEMIGATION**
The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

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

The pesticide injection pipeline must 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.

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, including a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being filled with a system interlock.

**APPLICATION INSTRUCTIONS**

Apply **MICROTHIOL DISPERSS** only through systems containing anti-siphon and check valves designed to prevent water source contamination or overflow of the mix tank and containing interlocking controls between the metering device and the water pump to insure simultaneous shut-off.



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Maintain a gentle continuous agitation in mix tank during mixing and application to assure a uniform suspension.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time.

Application of more than specified quantities of irrigation water per acre may result in decreased product performance.

**DO NOT** apply when wind speed favors drift, when system connections or fittings leak, when nozzles **DO NOT** provide uniform distribution or when lines containing the product cannot be flushed and must be dismantled and drained. In a center pivot system, block the nozzle set nearest the well/pivot/injection unit to prevent spray being applied to this area.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water.

**SPRAY PREPARATION:**
Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water. Prepare a suspension of **MICROTHIOL DISPERSS** in a mix tank. Fill the tank with 1/2 or 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of **MICROTHIOL DISPERSS** and then the remaining volume of water.

**SPRINKLER IRRIGATION INSTRUCTIONS:**
Observe all System Requirements and Application Instructions above.
Set sprinkler system to deliver 0.1 to 1.25 inches of water per acre. Volumes of water higher than this may reduce efficacy. Start sprinkler and then uniformly inject the suspension of **MICROTHIOL DISPERSS** into the irrigation water line so as to deliver the desired rate per acre. The suspension of **MICROTHIOL DISPERSS** must be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. When treatment with **MICROTHIOL DISPERSS** has been completed, **DO NOT** irrigate the treated area for 24 to 48 hours to prevent washing the chemical off the crop.

**DO NOT** apply when wind speed favors drift beyond the area intended for treatment. Where sprinkler distribution patterns **DO NOT** overlap sufficiently, unacceptable disease control may result. Check local restrictions and requirements regarding sprinkler irrigation applications, as they may vary from state to state.

**APPLICATION INSTRUCTIONS**

Apply through any type of handheld, knapsack, mechanical or pneumatic spraying equipment.
MIXING: Pour the required amount of **MICROTHIOL DISPERSS** into the indicated amount of water while stirring. **MICROTHIOL DISPERSS** disperses instantly.
**DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

**Dilute Application:**
Field: Specified rate in 20 to 60 gallons of water per acre.
Orchard: Specified rate in 100 to 800 gallons of water per acre.

**Concentrated Application:**
Field: Specified rate in 5 to 10 gallons of water per acre.
Orchard: Specified rate in 20 to 100 gallons of water per acre.

**Aerial Application:**
Field: Specified rate in 3 to 20 gallons of water per acre.
Orchard: Specified rate in 10 to 20 gallons of water per acre.



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## SPRAY COVERAGE

Foliage must be completely covered on both the upper and lower leaf surfaces for effective control. Dense canopies can limit complete coverage. Adequate spray volume for thorough coverage is essential.

## COMPATIBILITY

**MICROTHIOL DISPERSS** is compatible with most Bordeaux mixtures, copper fungicides, liquid fertilizers, organic fungicides, insecticides, acaricides and herbicides. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and direction for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

## USE INSTRUCTIONS

Some crops may be damaged by sulfur under certain climatic conditions, for example when temperature is high. UPL NA Inc. does not advised application if temperature will exceed 90° F within the three days following spraying, due to the risk of crop injury. Crops grown in greenhouses may be more sensitive to sulfur injury, so the lowest labeled rate (or below labeled rates) must be tried initially. **DO NOT** use on any crop unless sulfur has been shown to be safe in your locality. **DO NOT** allow spray to drift onto sulfur-sensitive crops including apricots, cranberries, spinach and d'Anjou pears.

**DO NOT** use within two weeks of an oil spray treatment, except for Dormant, Delayed Dormant, or Postharvest applications with a suitable oil. For citrus, **DO NOT** apply within 21 days of an oil spray. Spreader/stickers are not required for use with **MICROTHIOL DISPERSS**. If spreader/stickers are used with **MICROTHIOL DISPERSS**, foliar injury may be enhanced under high temperatures. When growing crops for processing, consult the processor before applying sulfur.

Application Instruction: The application rates specified for each crop are the maximum that may be applied. These amounts may be reduced if experience or local practice indicates that lesser amounts may be effective. Consult State Agriculture Experiment Station or State Extension Service specialist for rates direction in your local area.

## NUTRIENT USE

**MICROTHIOL DISPERSS** applications will provide sulfur needed to meet a plant's nutrient requirements and must be considered for use in total nutrient applications. **MICROTHIOL DISPERSS** can be used as a micronutrient supplement when applied on the foliage or soil to the crops listed on this label. Consult your State Agricultural Experiment Station or Extension Specialist for advice in selecting treatments that best fit local conditions.

| Crop | Pest | Rate lbs product/A (lbs ai/A) | Directions |
|---|---|---|---|
| Artichokes (all varieties) | Leaf Spot<br>Powdery Mildew | 10-20 lbs/A<br>(8-16 lbs ai/A) | Begin when disease first appears. Retreatment Interval: 7 to 10 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 20 lbs (16 lbs ai) | | |



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| | • Maximum use rate per acre per year:42.9 lbs (34.3 lbs ai)<br>• Maximum number of applications per year: 4 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Asparagus | Mites<br>Rust | 10-30 lbs/A<br>(8-24 lbs ai/A) | Apply after cutting, irrigate and cultivate before applying. Retreatment Interval: 7 to 10 days or as needed. |
| | Restrictions<br>• Maximum use rate per acre per application: 30 lbs (24 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 15 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Beans, Peas | Leaf Spot<br>Powdery Mildew<br>Red Spider Mite<br>Rust | 3-10 lbs/A<br>(2.4-8 lbs ai/A) | Apply at early leaf stage. Retreatment Interval: 10 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year:42.9 lbs (34.3 lbs ai)<br>• Maximum number of applications per year: 14 at the lowest use rate<br>• Minimum retreatment interval: 10 days | | |
| Broccoli, Brussels sprouts, Cabbage, Cauliflower Kohlrabi | Powdery Mildew<br>Red Spider Mite<br>Septoria Leaf Spot | 3-10 lbs/A<br>(2.4-8 lbs ai/A) | Begin in early leaf stage. Retreatment Interval: 10 to 14 days or as needed. |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year: 30.6lbs (24.5 lbs ai)<br>• Maximum number of applications per year: 10 at the lowest use rate<br>• Minimum retreatment interval: 10 days | | |
| Carrots | Petrobia Mite<br>Powdery Mildew | 3-10 lbs/A<br>(2.4-8 lbs ai/A) | Apply at early leaf stage. Retreatment Interval: 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year20 at the lowest use rate<br>• Minimum retreatment interval: 14 days | | |
| Celery | Powdery Mildew<br>Red Spider Mite<br>Rust | 4-6 lbs/A<br>(3.2-4.8 lbs ai/A) | Apply at early leaf stage. Retreatment Interval: 10 to 14 days or as needed. |
| | Restrictions<br>• Maximum use rate per acre per application: 6 lbs (4.8 lbs ai)<br>• Maximum use rate per acre per year: 15.6 lbs (12.5 lbs ai)<br>• Maximum number of applications per year: 3 at the lowest use rate<br>• Minimum retreatment interval: 10 days | | |



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| Cowpeas | Rust | 2-9 lbs/A<br>(1.6-7.2 lbs ai/A) | Begin applications soon after seedlings emerge. Retreatment Interval: 7 to 10 day intervals or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 9 lbs (7.2 lbs ai)<br>• Maximum use rate per acre per year: 30.6 lbs (24.5 lbs ai)<br>• Maximum number of applications per year: 15 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |



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| Crop | Pest | Rate lbs product/A (lbs ai/A) | Directions |
|---|---|---|---|
| Cucumbers | Powdery Mildew | 2-6 lbs/A (1.6-4.8 lbs ai/A) | Apply when disease first appears. Retreatment Interval: 7 days or as needed. |
| | Restrictions<br>• Maximum use rate per acre per application: 6 lbs (4.8 lbs ai)<br>• Maximum use rate per acre per year: 42.9 lbs (34.3 lbs ai)<br>• Maximum number of applications per year: 21 at the lowest use rate<br>• Minimum retreatment interval: 7 days<br>**DO NOT** apply more than 2 pounds MICROTHIOL DISPERSS per acre per application during periods of high temperatures.<br>Sulfur can injure plants, especially when temperature reaches 90° F. **DO NOT** use on sulfur sensitive varieties | | |
| Eggplant | Powdery Mildew | 2-5 lbs/A (1.6-4 lbs ai/A) | Apply when first true leaves appear. Retreatment Interval: 7 days or as needed. |
| | Restrictions<br>• Maximum use rate per acre per application: 5 lbs (4 lbs ai)<br>• Maximum use rate per acre per year: 42.9 lbs (34.3 lbs ai)<br>• Maximum number of applications per year: 21 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Endive<br>Escarole<br>Swiss Chard<br>Salsify | Powdery Mildew<br>Red Spider Mite<br>Rust | 4-6 lbs/A (3.2-4.8 lbs ai/A) | Apply at early leaf stage. Retreatment Interval: 10 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 6 lbs (4.8 lbs ai)<br>• Maximum use rate per acre per year: 22.5 lbs (18 lbs ai)<br>• Maximum number of applications per year: 5 at the lowest use rate<br>• Minimum retreatment interval: 10 days | | |
| Greens: Collards, Kale, Mustard, Beet, Turnip | Powdery Mildew<br>Red Spider Mite<br>Rust<br>Septoria Leaf Spot | 3-10 lbs/A (2.4-8 lbs ai/A) | Apply at early leaf stage. Retreatment Interval: 10 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year: 30.6 lbs (24.5 lbs ai)<br>• Maximum number of applications per year: 10 at the lowest use rate<br>• Minimum retreatment interval: 10 days | | |
| Lettuce (Head and Leaf) | Powdery Mildew<br>Red Spider Mite<br>Rust | 5-10 lbs/A (4-8 lbs ai/A) | Apply at early leaf stage. Retreatment Interval: 14 days or as needed |



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| | | | Thorough coverage is required. |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year: 18.4 lbs (14.7 lbs ai)<br>• Maximum number of applications per year: 3 at the lowest use rate<br>• Minimum retreatment interval: 14 days | | |
| Melons | Powdery Mildew | 20-25 lbs/A<br>(16-20 lbs ai/A) | Apply when disease first appears and repeat as needed Retreatment Interval: 7 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 25 lbs (20 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 3 at the lowest use rate<br>• Minimum retreatment interval: 7 days<br>Sulfur can injure plants, especially when temperature reaches 90° F. **DO NOT** use on sulfur sensitive varieties. | | |
| Okra | Leaf Spot<br>Mites<br>Powdery Mildew | 3-10 lbs/A<br>(2.4-8 lbs ai/A) | Apply at early leaf stage Retreatment Interval: 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 20 at the lowest use rate<br>• Minimum retreatment interval: 14 days | | |
| Onions, Garlic, Dry Onions Dry Shallots | Petrobia Mite<br>Powdery Mildew | 3-10 lbs/A<br>(2.4-8 lbs ai/A) | Apply when disease and/or mites first appears. Retreatment Interval: 7 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year: 49 lbs (39.2 lbs ai)<br>• Maximum number of applications per year: 16 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Potatoes Sweet Potatoes | Leaf Spot<br>Powdery Mildew<br>Red Spider Mite | 3-10 lbs/A<br>(2.4-8 lbs ai/A) | Apply at early leaf stage. Retreatment Interval: 10 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year: 18.4 lbs (14.7 lbs ai)<br>• Maximum number of applications per year: 6 at the lowest use rate<br>• Minimum retreatment interval: 10 days | | |



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| Peppers | Broad Mite<br>Leaf Spot<br>Powdery Mildew<br>Red Spider Mite | 3-10 lbs/A<br>(2.4-8 lbs ai/A) | Apply at early leaf stage. Retreatment Interval: 10 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year: 42.9 lbs (34.3 lbs ai)<br>• Maximum number of applications per year: 14 at the lowest use rate<br>• Minimum retreatment interval: 10 days | | |
| Spinach | Powdery Mildew<br>Rust | 4.5-37.5 lbs/A<br>(3.6-30 lbs ai/A) | For use on spinach to be processed only.Apply when disease first appears. Retreatment Interval: 7 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 37.5 lbs (30.0lbs ai)<br>• Maximum use rate per acre per year: 22.5 lbs (18.0 lbs ai)<br>• Maximum number of applications per year: 5 at the lowest use rate<br>• Minimum retreatment interval: 7 days<br>**DO NOT** use on fresh spinach as sulfur has been shown to have phytotoxic effects on certain varieties of spinach. Spray on a small area first to test for phytotoxicity before making a full application. Spinach is susceptible to injury under certain climatic conditions | | |
| Squash (including Pumpkins, Summer and Winter Squash) | Powdery Mildew | 5-10 lbs/A<br>(4-8 lbs ai/A) | Apply when disease first appears Retreatment Interval: 7 days or as needed. |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year: 42.9 lbs (34.3 lbs ai)<br>• Maximum number of applications per year: 8 at the lowest use rate<br>• Minimum retreatment interval: 7 days<br>Sulfur can injure plants, especially when temperature reaches 90° F. **DO NOT** use on sulfur sensitive varieties | | |

| **Crop** | **Pest** | **Rate lbs product/A (lbs ai/A)** | **Directions** |
|---|---|---|---|
| Table Beets | Powdery Mildew<br>Red Spider Mite | 3-5 lbs/A<br>(2.4-4 lbs ai/A) | Apply at first indication of problem with or without other pesticides. Retreatment Interval: 10 to 30 |



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| | | | days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 5 lbs (4 lbs ai)<br>• Maximum use rate per acre per year: 24.5 lbs (19.6 lbs ai)<br>• Maximum number of applications per year: 8 at the lowest use rate<br>• Minimum retreatment interval: 10 days | | |
| Tomatoes | Powdery Mildew<br><br>Two-Spotted Mite | 3-10 lbs/A<br>(2.4-8 lbs ai/A) | Begin application when symptoms first appear. Retreatment Interval: 7 to 14 days or as needed. Thorough coverage is required. |
| | Russet Mite | 10-20 lbs/A<br>(8-16 lbs ai//A) | |
| | Restrictions<br>• Maximum use rate per acre per application: 20 lbs (16 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 20 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Turnips<br>Parsnips<br>Horseradish<br>Radishes<br>Rutabagas | Powdery Mildew<br>Red Spider Mite<br>Rust<br>Septoria Leaf Spot | 3-10 lbs/A<br>(2.4-8 lbs ai/A) | Apply at early leaf stage. Retreatment Interval: 10 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year: 30.6 lbs (24.5 lbs ai)<br>• Maximum number of applications per year: 10 at the lowest use rate<br>• Minimum retreatment interval: 10 days | | |

| **Crop** | **Pest** | **Rate lbs product/A (lbs ai/A)** | **Directions** |
|---|---|---|---|
| Almonds | Brown Rot<br>Flat Mite<br>Leaf Spot<br>Powdery Mildew<br>Red Spider Mite<br>Rust<br>Silver Mite | 10-20 lbs/A<br>(8-16 lbs ai/A) | Apply at dormant through harvest, alone or in tank-mixes with other fungicides/miticides for disease protection, mite suppression, and resistance management. Retreatment Interval: 7-14 day intervals or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 20 lbs (16 lbs ai)<br>• Maximum use rate per acre per year: 73.5 lbs (58.8 lbs ai)<br>• Maximum number of applications per year: 7 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Apples, Pears | Blister Mite<br>Powdery Mildew | 10-20 lbs/A | Apply at pre-bloom and petal fall. Apply with cover sprays throughout the season. |



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| | Red Spider Mite<br>Scab<br>Silver Mite<br>Two-Spotted Mite | (8-16 lbs ai/A) | Retreatment Interval: 7 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 20 lbs (16 lbs ai)<br>• Maximum use rate per acre per year: 73.5 lbs (58.8 lbs ai)<br>• Maximum number of applications per year: 7 at the lowest use rate<br>• Minimum retreatment interval: 7 days<br>**DO NOT** apply to d'Anjou pears or sensitive apple varieties (i.e. Ontario or Cox Orange). | | |
| Apples, Pears (Dormant, Delayed Dormant or Postharvest) | Blister Mite<br>Pear Psylla<br>Red Spider Mite<br>Two-Spotted Mite | 10-20 lbs/A<br>(8-16 lbs ai/A) | Apply with a suitable spray oil postharvest and during the dormant periods of bud development. Retreatment Interval: 7 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 20 lbs (16 lbs ai)<br>• Maximum use rate per acre per year: 73.5 lbs (58.8 lbs ai)<br>• Maximum number of applications per year: 7 at the lowest use rate<br>• Minimum retreatment interval: 7 days<br>**DO NOT** apply to sensitive varieties of pears except at these stages. | | |
| Avocados | Brown Mite | 10-30 lbs/A<br>(8-24 lbs ai/A) | Apply throughout the season. Retreatment Interval: 7 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 30 lbs (24 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 6 at the lowest use rate<br>• Minimum retreatment interval: 7days | | |
| Bananas | Mites | 10-30 lbs/A<br>(8-24 lbs ai/A) | Apply throughout the season. Retreatment Interval: 7 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 30 lbs (24 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 6 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Citrus | Broad Mite<br>Bud Mite<br>Citrus Rust Mite<br>Flat Mite<br>Red Spider Mite<br>Silver Mite<br>Six-Spotted Mite<br>Thrips<br>Yuma Spider Mite<br>Citrus Canker (suppression) | 8-20 lbs/A<br>(6.4-16 lbs ai/A) | Apply throughout the season Retreatment Interval: 7 to 14 days or as needed<br>**FOR SUPPRESSION OF CITRUS CANKER**, use the labeled rate of a fixed copper sulfate fungicide product in a tank mix with the labeled rate of **MICROTHIOL DISPERSS.** Spray flushes 7 to 14 days after shoots begin to grow. Young fruit may require additional applications. Number and timing of applications will be dependent upon disease pressure. Under |



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| | | | heavy pressure, each flush of new growth may need to be sprayed. |
| | Restrictions<br>• Maximum use rate per acre per application: 20 lbs (16 lbs ai)<br>• Maximum use rate per acre per year: 153 lbs (122.5 lbs ai)<br>• Maximum number of applications per year: 19 at the lowest use rate<br>• Minimum retreatment interval: 7 days<br>**DO NOT** apply within 21 days of an oil spray. | | |
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| Crop | Pest | Rate lbs product/A (lbs ai/A) | Directions |
|---|---|---|---|
| Dates | Banks Grass Mite | 20 lbs/A (16 lbs ai/A) | Apply in sufficient water to provide thorough coverage of the date clusters. Begin applications as mites or mite webbing are first observed. Repeat applications every 14 days or as necessary, until dates are mature and are no longer subject to mite feeding injury.<br>Retreatment Interval: 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 20 lbs (16 lbs ai)<br>• Maximum use rate per acre per year: 153 lbs (122.5 lbs ai)<br>• Maximum number of applications per year: 7<br>• Minimum retreatment interval: 14 days | | |
| Figs | Mites (including Eriophyid Mites, Fig Mite) | 4-6 lbs/A (3.2-4.8 lbs ai/A) | Apply at a minimum of 100 gallons per acre. Begin applications in the spring and continue on a 3 to 4 week schedule or as necessary. Retreatment Interval: 21 to 28 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 6 lbs (4.8 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 15 at the lowest use rate<br>• Minimum retreatment interval: 21 days | | |
| Grapes | Blister Mite<br>Bud Mite<br>Phomopsis<br>Powdery Mildew<br>Red Spider Mite | 3-10 lbs/A (2.4-8 lbs ai/A) | Apply throughout the season. Retreatment Interval: 7 to 14 days or as needed Thorough coverage is required.<br>Application instruction: Use |



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| | | | with caution on Concord, Labrusca type, and other sulfur sensitive grape cultivars as injury can occur after bloom. |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year: 49 lbs (39.2 lbs ai)<br>• Maximum number of applications per year: 16 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Mangos | Powdery Mildew | 10-30 lbs/A<br>(8-24 lbs ai/A) | Begin application before bloom. Repeat at bloom, after fruit set, and 3 weeks later Retreatment Interval: 7 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 30 lbs (24 lbs ai)<br>• Maximum use rate per acre per year: 34.5 lbs (27.6 lbs ai)<br>• Maximum number of applications per year: 3 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Olives | Olive Mites | 10-30 lbs/A<br>(8-24 lbs ai/A) | Apply throughout the season. Retreatment Interval: 7 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 30 lbs (24 lbs ai)<br>• Maximum use rate per acre per year: 85.75 lbs (68.6 lbs ai)<br>• Maximum number of applications per year: 8 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Papaya | Mites | 8–26 (6.4–20.8 lbs a.i./A) | Apply when mites first appear. Retreatment Interval: 7  14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 26 lbs (20.8 lbs ai)<br>• Maximum use rate per acre per year: 78 lbs (62.4 lbs ai)<br>• Maximum number of applications per year: 3 at the lowest use rate<br>• Minimum retreatment interval: 7 days<br><br>**DO NOT** apply in combination with emulsifiable pesticide formulations as foliar injury may occur. **DO NOT** apply to low vigor or moisture stressed plants**. DO NOT** apply prior to or during periods of excessively high temperatures, periods of low rainfall or within two weeks of an oil spray. | | |
| Pecans | Eriophyid Mites<br>(including Hickory and Pecan) | 10-20 lbs/A | Apply throughout the season. Retreatment |



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| | Flat Mite<br>Leaf Spot<br>Powdery Mildew<br>Red Spider Mite<br>Silver Mite<br>Sooty Mold<br>Two-Spotted Mite | (8-16 lbs ai/A) | Interval: 7 to 14 days or as needed<br>Note: Some varieties of pecans are sensitive to sulfur sprays under certain conditions. |
| | Restrictions<br>• Maximum use rate per acre per application: 20 lbs (16 lbs ai)<br>• Maximum use rate per acre per year: 30 lbs (24 lbs ai)<br>• Maximum number of applications per year: 3 at the lowest use rate<br>• Minimum retreatment interval: 7 days<br>**DO NOT** apply unless varieties are known to be tolerant of sulfur. | | |
| Pineapple | Mites | 10-30 lbs/A<br>(8-24 lbs ai/A) | Apply throughout the season. Retreatment Interval: 7 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 30 lbs (24 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 6 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Pistachios | Mites | 20–25<br>(16–20 lbs a.i./A) | Begin applications in June-July. Make additional applications as necessary. Retreatment Interval: 7 to 14 days or as needed. When temperatures exceed 90° F, lower rates and more frequent applications are advised in order to avoid crop injury. |
| | Restrictions<br>• Maximum use rate per acre per application: 25 lbs 20 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 3 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |

| **Crop** | **Pest** | **Rate lbs product/A (lbs ai/A)** | **Directions** |
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| Pomegranate | Mites | 3-10 lbs/A<br>(2.4-8 lbs ai/A) | Begin applications in May or June. Make additional applications on a 3 to 4 week schedule, or as necessary. Retreatment Interval: 21 to 28 days or as needed Use higher rates if past mite damage has been high. If temperatures exceed 90° F, lower rates and more frequent applications are advised in order to avoid crop injury. |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 20 at the lowest use rate<br>• Minimum retreatment interval: 21 days | | |
| Quince | Brown Rot<br>Powdery Mildew<br>Scab | 10-20 lbs/A<br>(8-16 lbs ai/A) | Begin applications at early leaf stage. Retreatment Interval: 7 to 10 needed. |
| | Restrictions<br>• Maximum use rate per acre per application: 20 lbs 16 lbs ai)<br>• Maximum use rate per acre per year: 73.5 lbs (58.8 lbs ai)<br>• Maximum number of applications per year: 7 at the lowest use rate<br>• Minimum retreatment interval: 7 days<br>**DO NOT** use on sulfur sensitive varieties. | | |
| Stone Fruit: Peaches, Plums, Cherries, Nectarines, Prunes | Brown Rot<br>Flat Mite<br>Leaf Spot<br>Powdery Mildew<br>Red Spider Mite<br>Rust<br>Silver Mite | 10-20 lbs/A<br>(8-16 lbs ai/A) | Apply at dormant through harvest, alone or in tank-mixes with other fungicides/miticides for disease protection, mite suppression, and resistance management. Retreatment Interval: 7 to 14 days or as needed For Brown Rot of fruit, apply when fruit starts to ripen. |
| | Restrictions<br>• Maximum use rate per acre per application: 20 lbs (16 lbs ai)<br>• Maximum use rate per acre per year: 73.5 lbs (58.8 lbs ai)<br>• Maximum number of applications per year: 7 at the lowest use rate<br>• Minimum retreatment interval: 7 days<br>**DO NOT** apply to apricots. | | |



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| Walnuts, Macadamias | Almond Mite<br>Broad Mite<br>European Red Mite<br>Pacific Mite<br>Red Spider Mite<br>Two-Spotted Mite | 10-20 lbs/A<br>(8-16 lbs ai/A) | Apply throughout the season as needed. Retreatment Interval: 7 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 20 lbs (16 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 6 at the lowest use rate<br>• Minimum retreatment interval: 7 days<br>Some varieties of walnuts are sensitive to sulfur sprays under certain conditions**. DO NOT** apply unless varieties are known to be tolerant of sulfur. | | |

| **Crop** | **Pest** | **Rate lbs product/A (lbs ai/A)** | **Directions** |
|---|---|---|---|
| Alfalfa (including Seed Alfalfa) | Atlantic Mite<br>Lygus (suppression)<br>Pacific Mite<br>Red Spider Mite | 12-25 lbs/A<br>(9.6-20 lbs ai/A) | Apply throughout the season Retreatment Interval: 7 days days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 25 lbs (20 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 5 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Cereals: Corn, Wheat, Barley, Oats, Rye, Sorghum | Atlantic Mite<br>Banks Grass Mite<br>Pacific Mite<br>Powdery Mildew<br>Red Spider Mite<br>Two-Spotted Mite | 6-15 lbs/A<br>(4.8-12 lbs ai/A) | Apply when mites or symptoms first appear. Retreatment Interval: 7 to 14 days or as needed. |
| | Restrictions<br>• Maximum use rate per acre per application: 15 lbs (12 lbs ai)<br>• Maximum use rate per acre per year: 49 lbs (39.2 lbs ai)<br>• Maximum number of applications per year: 8 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Clover | Mites<br>Powdery Mildew | 2-9 lbs/A<br>(1.6-7.2 lbs ai/A) | Apply throughout the season. Retreatment Interval: 7 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 9 lbs (7.2 lbs ai)<br>• Maximum use rate per acre per year: 36.8 lbs (29.4 lbs ai)<br>• Maximum number of applications per year: 18 at th e lowest use rate<br>• Minimum retreatment interval: 7days | | |



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| Crop | Pest | Rate lbs product/A (lbs ai/A) | Directions |
|---|---|---|---|
| Cool Season Forage Grasses (including Timothy, Orchard Grass, Fescues, Sudan Grass, Bermuda Grass, Bluegrass, and Bromegrass) | Mites (including Banks Grass Mite) | 4.5-9.75 lbs/A (3.6-7.8 lbs ai/A | Apply at first sign of mites. Continue applications until mites are below economic levels. Retreatment Interval: 7 day intervals, or as needed The addition of adjuvants (spreaders, surfactants, etc.) can increase the chance of crop injury, and is not advised. For aerial applications: Use the specified rate in a minimum of 3 gallons of water per acre. For ground applications: Use the specified rate in a minimum of 20 gallons of water per acre. |
| | Restrictions<br>• Maximum use rate per acre per application: 9.75 lbs (7.8 lbs ai)<br>• Maximum use rate per acre per year: 63 lbs (50.4 lbs ai)<br>• Maximum number of applications per year: 14 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Cotton | Atlantic Mite<br>Red Spider Mite<br>Two-Spotted Mite | 5-10lbs/A (4-8 lbs ai/A) | Apply throughout the season as necessary. Retreatment Interval: 7 to 14 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 12 at the lowest use rate.<br>• Minimum retreatment interval: 7 days | | |
| Flax | Powdery Mildew | 3.75-37.5 lbs/A (3.0-30.0 lbs ai/A) | Apply at first sign of disease.. Retreatment Interval: 7 to 10 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 37.5 lbs (30.0 lbs ai)<br>• Maximum use rate per acre per year: 60 lbs (48.0 lbs ai)<br>• Maximum number of applications per year: 16 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Peanuts | Leaf Spot<br>Powdery Mildew<br>Red Spider Mite<br>Rust<br>Two-Spotted Mite | 5-8 lbs/A (4-6.4 lbs ai/A) | Apply at early leaf stage and repeat applications as necessary. Retreatment Interval: 7 to 14 days or as needed |



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| | Leaf Spot<br>(reduced rate) | 3-5 lbs/A<br>(2.4-4 lbs ai/A) | Use the lower rate per acre when tank mixing with multiple active ingredients. Use the higher rate when tank mixing with single active ingredient fungicides. |
| | Restrictions<br>• Maximum use rate per acre per application: 8 lbs (6.4 lbs ai)<br>• Maximum use rate per acre per year: 36.75 lbs (29.4 lbs ai)<br>• Maximum number of applications per year: 7 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Soybeans | Leaf Spot<br>Powdery Mildew<br>Rust | 6-15 lbs/A<br>(4.8-12 lbs ai/A) | Apply at early leaf stage.. Retreatment Interval: 7 to 14 day intervals or as needed. |
| | Restrictions<br>• Maximum use rate per acre per application: 15 lbs (12 lbs ai)<br>• Maximum use rate per acre per year: 18.4 lbs (14.7 lbs ai)<br>• Maximum number of applications per year: 3 at the lowest use rate; 10 at the highest use rate.<br>• Minimum retreatment interval: 7 days | | |
| Sugar Beets | Powdery Mildew<br>Red Spider Mite | 10–20<br>(8–16 lbs. a.i./A) | Apply as soon as symptoms appear. Retreatment Interval:10 to 30 days or as needed. |
| | Restrictions<br>• Maximum use rate per acre per application: 20 lbs (16 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 6 at the lowest use rate.<br>• Minimum retreatment interval: 10 days | | |
| Sugarcane | Mites | 2.25-7.5 lbs/A<br>(1.8-6.0 lbs ai/A) | Apply when mite pressure is imminent and repeat applications as necessary. Retreatment Interval: 7 days or as needed. |
| | Restrictions<br>• Maximum use rate per acre per application: 7.5 lbs (6.0 lbs ai)<br>• Maximum use rate per acre per year: 63.0 lbs (50.4 lbs ai)<br>• Maximum number of applications per year: 28 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Blackberry, Boysenberry, Dewberry, Loganberry, Blueberry, Gooseberry, Huckleberry, Currant | Powdery Mildew | 6 – 12 (4.8 – 9.6 lbs. a.i./A)) | Begin application before blossoms open and continue at 10-day intervals. Retreatment Interval: 10 day intervals or as needed |
| | Restrictions | | |



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| | • Maximum use rate per acre per application: 12 lbs (9.6 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 10 at the lowest use rate<br>• Minimum retreatment interval: 10 days | | |
| Raspberries | Powdery Mildew<br>Red Berry Mite | 6 – 12 (4.8 – 9.6 lbs. a.i./A) | Apply each week from first bloom to fruit set. Repeat as the weather requires.<br>Retreatment Interval: 10 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 12 lbs (9.6 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 10 at the lowest use rate<br>• Minimum retreatment interval: 10 days | | |
| Strawberries | Powdery Mildew<br>Red Spider Mite<br>Two-Spotted Mite | 5-10 lbs/A<br>(4-8 lbs ai/A) | Begin application at early leaf stage and repeat every 7 to 14 days or as weather requires. Retreatment Interval: 10 days or as needed. |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)<br>• Maximum number of applications per year: 12 at the lowest use rate<br>• Minimum retreatment interval: 7 days<br>**DO NOT** use on sulfur-sensitive varieties | | |

| Crop | Pest | Rate lbsproduct/A **(lbs ai/A)** | Directions |
|---|---|---|---|
| Spearmint, Peppermint | Powdery Mildew | 4-6 lbs/A<br>(3.2-4.8 lbs ai/A) | Apply when mint is 5-6" tall or when disease appears. Repeat twice, at 30-day intervals. Retreatment Interval: 7 days. |
| | Restrictions<br>• Maximum use rate per acre per application: 6 lbs (4.8 lbs ai)<br>• Maximum use rate per acre per year: 12 lbs (9.6 lbs ai)<br>• Maximum number of applications per year:2 at the lowest use rate<br>• Minimum retreatment interval: 7 days<br>• Preharvest interval 30 days. | | |
| Hops | Red Spider Mite | 2-6 lbs/A (1.6-4.8 lbs ai/A) | Begin applications at early leaf stage and repeat at 3 to 5 days. Retreatment |
| | Powdery mildew | 4-6 (3.2-4.8) | |



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| | | | Interval: 7 days or as needed |
| | Restrictions<br>• Maximum use rate per acre per application: 6 lbs (4.8 lbs ai)<br>• Maximum use rate per acre per year: 61.25 lbs (49 lbs ai)/<br>• Maximum number of applications per year: 30 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Ornamentals, Roses | Leaf Spot<br>Powdery Mildew<br>Two-Spotted Mite | 3-10 lbs/A<br>(2.4-8 lbs ai/A) | Ground Application<br>Apply to ensure complete plant coverage. Begin when disease first appears and repeat at 7 to 14 day intervals. Retreatment Interval: 7 to 14 days |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year: 49.5 lbs (39.6lbs ai)<br>• Maximum number of applications per year: 16 at the lowest use rate<br>• Minimum retreatment interval: 7days | | |
| | | 3-20 lbs/A<br>(2.4-16 lbs | Aerial Application<br>Apply to ensure complete plant coverage. Begin when disease first appears and repeat at 5 to 10 day intervals. Retreatment Interval: 5 to 10 days |
| | Restrictions<br>• Maximum use rate per acre per application: 20 lbs (16 lbs ai)<br>• Maximum use rate per acre per year: 49.5 lbs (39.6lbs ai)<br>• Maximum number of applications per year: 16 at the lowest use rate<br>• Minimum retreatment interval: 5 days | | |

## OTHER ORNAMENTALS

For the ornamentals listed below apply 3 to 10 pounds in 100 gallons of water. Begin when disease first appears and repeat at 5 to10 day intervals as needed.

**For Control of Powdery Mildew on:** Alder, Asters, Azalea, Buttonbush, Catalpa, Carnations, Chrysanthemum, Cosmos, Crepe Myrtle, Dahlia, Daisy, Delphinium, Dogwood, Euonymus, Gladiolus, Golden Fleece, Hibiscus, Honeysuckle, Horse chestnut, Hydrangea, Lady's Mantle, Ligustrum, Lilac, Linden, Matrimony vine, Phlox, Poplar, Rhododendron, Sage, Silver vine, Smilax, Spirea, Stag horn sumac, Sunflowers, Sweet Peas, Sycamore, Trumpet vine, Verbena, Violets, Willow, Witch hazel, and Zinnia.



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**For Control of Red Spider Mites on:** Arborvitae, Carnation, Cedars, Chrysanthemums, Clematis, Hydrangea, Rose, Snapdragon, and Sweetpeas.

**For Control of Rust on:** Aster, Carnation, Chrysanthemum, Rose, and Snapdragon.

**For Control of Leaf Spot on:** Calendula, Cherry Laurels, Clematis, Columbine, English Ivy, Foxglove, Hollyhock, Hydrangea, Petunia, Phlox, Sage, Smilax, and Snapdragon.

**For Control of Botrytis Blight on:** Hydrangea.

Restrictions

- Maximum use rate per acre per application: 20 lbs (16 lbs ai)
- Maximum use rate per acre per year: 49.5 lbs (39.6 lbs ai)
- Maximum number of applications per year: 16 at the lowest use rate
- Minimum retreatment interval: 5 days

## TURF AND GRASS

| Crop | Pest | Rate lbsproduct/A (lbs ai/A) | Directions |
|---|---|---|---|
| Commercial Turf including (but not limited to) golf courses, sod farms, and grass grown for seed | Powdery Mildew<br>Rust | 3-10 lbs/A<br>(2.4-8 lbs ai/A) | Begin applications at the very first sign of disease, or as a preventative when conditions favor disease. These are explosive diseases and are very difficult to control once fully established. Retreatment Interval: 3 to 5 days or as needed Tank mixing with systemic fungicides will improve control and help in a resistance management program with these fungicides. |
| | Restrictions<br>• Maximum use rate per acre per application: 10 lbs (8 lbs ai)<br>• Maximum use rate per acre per year: 55 lbs (43.98 lbs ai)<br>• Maximum number of applications per year: 18 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |
| Bentgrass, Bluegrass, Ryegrass and Fescue | Suppression of Fusarium Patch<br>Suppression of Take-all in Bentgrass | 3.0-54.75 lbs/A<br>2.4-43.8 lbs ai/A) | Apply monthly from September through May. Apply prior to outbreak of |



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| | | | |
|---|---|---|---|
| | | | disease and use higher rate when conditions favor disease and temperatures are below 80° F. Use lower rates when temperatures are greater than 80° F. May cause Poa Annua decline. Retreatment Interval: 7days |
| | Restrictions<br>• Maximum use rate per acre per application: 54.75 lbs (43.8 lbs ai)<br>• Maximum use rate per acre per year: 57 lbs (45.6 lbs ai)<br>• Maximum number of applications per year: 19 at the lowest use rate<br>• Minimum retreatment interval: 7 days | | |

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a closed package in a cool, dry, secure place. **DO NOT** store near flammable materials**. DO NOT** store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, sweep up spillage and dispose of in accordance with the Pesticide Disposal Instructions below.

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

**CONTAINER HANDLING: Nonrefillable container. DO NOT reuse or refill this container.** Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## IMPORTANT INFORMATION
## READ BEFORE USING PRODUCT

### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product reflect the opinion of experts based on field use and tests and must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions,



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