

SULFUR GROUP M2 FUNGICIDE

Microthi™ 80WDG

 FOR ORGANIC PRODUCTION



| | |
|---------------------------------|-----------------|
| ACTIVE INGREDIENT: | WT. BY % |
| Sulfur* | 80.0% |
| OTHER INGREDIENTS: | 20.0% |
| TOTAL: | 100.0% |

*CAS No. 7704-34-9

EPA Reg. No. 93745-1-70506

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

| | |
|--------------------------------|--|
| IF SWALLOWED: | <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person. |
| IF INHALED: | <ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice. |
| IF ON SKIN OR CLOTHING: | <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice. |
| 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. |

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call your poison control center at **1-800-222-1222**.



NET CONTENTS: _____ POUNDS



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash hands after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. 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 including polyethylene or polyvinyl chloride
- Shoes plus socks
- Protective eyewear

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

ENGINEERING CONTROLS STATEMENT

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:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling the product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into 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 contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from treated areas. Do not apply where run-off is likely to occur.

PHYSICAL HAZARDS

Sulfur dust suspended in air ignites easily. Keep away from heat, sparks, or flames. Do not smoke while applying this product.

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 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 polyethylene or polyvinyl chloride
- Shoes plus socks
- Protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS

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

Keep unprotected persons and domestic animals out of the treated area until sprays have dried.

PRODUCT INFORMATION

Sulfur may cause severe fruit and foliage injury to certain crops. Sulfur sensitive plants include D'Anjou and Comice pears, apricots, cranberries, certain varieties of cucurbits, filberts, spinach, tung walnuts, and certain ornamentals. Apples, pears, and strawberries are susceptible to foliage burn with sulfur under certain climatic conditions. Sulfur may burn foliage when temperature is high.

Restrictions:

- **DO NOT** apply if temperatures during or within 3 days after application are expected to exceed 90°F.
- **DO NOT** use within 2 weeks of an oil spray treatment except for dormant, delayed dormant or post-harvest applications with a suitable spray oil. **For citrus, DO NOT apply within 21 days of an oil spray.** When growing crops for processing, consult the processor before applying sulfur.
- **For Tank Mixtures: DO NOT** mix with any product which contains a prohibition on tank mixing, and follow more restrictive labeling of any tank mix partner. Pour the specified amount of product into water and stir to make a thin slurry. Add slurry to tank when partially full before other materials are added. Add wetting agents last to avoid foaming. Keep spray mixture agitated while spraying. 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 directions 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.

- **DO NOT** make applications to orchards using less than 10 gallons of water per acre.

Apply to crops as needed in season when mites or diseases first appear and when insect build-up and plant disease damage are imminent. Repeat as directed. Use the lower rate when disease or insect pressure is low. Use the higher rate when disease or insect pressure is severe.

RESISTANCE MANAGEMENT

For resistance management, please note that MICROTHI™ 80WDG contains a Group M2 fungicide. Any fungal population may contain individuals naturally resistant to MICROTHI 80WDG and other Group M2 fungicides. A gradual or total loss of pest control may occur over time if these are used repeatedly in the same fields. Appropriate resistance management strategies should be followed.

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

- Rotate the use of MICROTHI 80WDG or other Group M2 fungicides within a growing season sequence with different groups that control the same pathogens.
- Scout before and after herbicide application to monitor weed populations for early signs of resistance development.
- 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.
- 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 recommendations for specific crops and pathogens.
- For further information or to report suspected resistance, contact your local sales representative. You can also contact your pesticide distributor or university extension specialist to report resistance.

MANDATORY SPRAY DRIFT

Aerial Application

- Do not release spray at a height greater than 10 ft. above the vegetative canopy or water, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speed exceeds 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Applicators must use 1/2 swath displacement upwind at the downwind edge of the application area.
- Do not apply during temperature inversions.

MANDATORY SPRAY DRIFT (*continued*)

Ground Boom Applications

- Apply with the spray release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 15 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

- 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 recommended 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 recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should 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 should remain level with the crop and have minimal bounce.

RELEASE HEIGHT – Aircraft

Higher release heights increase the potential for spray drift. When applying aurally 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.

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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 generally 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.

Other State and Local Requirements

Applicators must follow all State and local pesticide drift requirements regarding application of mancozeb. Where states have more stringent regulations, they must be observed.

DIRECTIONS FOR DILUTION

DILUTE APPLICATION

- **Ground Application:** Apply specified rate in 20 to 60 gallons of water per acre.
- **Orchard Application:** Apply specified rates in 100 to 800 gallons of water per acre.

CONCENTRATE APPLICATION

- **Ground Application:** Apply specified rate in not less than 5 gallons of water per acre.
- **Orchard Application:** Apply specified rate in 20 to 100 gallons of water per acre. Special concentrate equipment is necessary for these uses.

AERIAL APPLICATION

Apply specified rate in 3 to 20 gallons of water per acre.

CROP USE DIRECTIONS

| Crop | Pest | MICROTHI 80WDG Rate lbs. product/A (lbs. a.i./A) | Directions |
|--|---|--|--|
| Alfalfa (Including Seed Alfalfa) | Atlantic Mite Red Spider Mite | 12 - 25 (9.6 - 20 lbs. a.i./A) | Apply throughout season as necessary. Restrictions: • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 25 lbs. of product/A per single application (20 lbs. a.i./A). • A maximum of 5 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| Almonds, Cherries, Nectarines, Peaches, Plums, Prunes | Powdery Mildew Brown Rot Flat Mite Leaf Spot Red Spider Mite Silver Mite | 10 - 20 (8 - 16 lbs. a.i./A) | For Brown Rot, spray when fruits start ripening. For remaining pests and diseases, apply at bloom or early petal-fall and repeat as necessary, usually 10 to 14 days or after a period of wet weather. Restrictions: • DO NOT apply more than 73.5 lbs. of product per acre/year (58.8 lbs. a.i./A). • DO NOT apply more than 20 lbs. of product/A per single application (16 lbs. a.i./A). • A maximum of 7 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| Apples, Pears, Quince (Pre-Bloom and Petal-Fall) | Blister Mite Powdery Mildew Pear Psylla Red Spider Mite Scab | 10 - 20 (8 - 16 lbs. a.i./A) | Apply with cover sprays throughout the season. Restrictions: • DO NOT apply to D'Anjou pears. • DO NOT apply more than 73.5 lbs. of product per acre/year (58.8 lbs. a.i./A). • DO NOT apply more than 20 lbs. of product/A per single application (16 lbs. a.i./A). • A maximum of 7 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |

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CROP USE DIRECTIONS (continued)

| Crop | Pest | MICROTHI 80WDG Rate lbs. product/A (lbs. a.i./A) | Directions |
|--|--|--|---|
| Apples, Pears (Dormant, Delayed Dormant, or Post-Harvest) | Blister Mite Pear Psylla Red Spider Mite Two-Spotted Mite | 10 - 20 (8 - 16 lbs. a.i./A) | Apply with a suitable spray oil post-harvest and during the dormant periods of bud development. Restrictions: <ul style="list-style-type: none"> • DO NOT apply to sensitive varieties of pears except at these stages. • DO NOT apply to D'Anjou pears. • DO NOT apply more than 73.5 lbs. of product per acre/year (58.8 lbs. a.i./A). • DO NOT apply more than 20 lbs. of product/A per single application (16 lbs. a.i./A). • A maximum of 7 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| Artichokes | Leaf Spot Powdery Mildew | 10 - 20 (8 - 16 lbs. a.i./A) | Begin at first sign of disease and repeat applications at a 7- to 10-day interval. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 42.9 lbs. of product per acre/year (34.3 lbs. a.i./A). • DO NOT apply more than 20 lbs. of product/A per single application (16 lbs. a.i./A). • A maximum of 4 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 10 days |
| Asparagus | Rust | 10 - 30 (8 - 24 lbs. a.i./A) | Use after cutting stops. Irrigate and cultivate before applying. Repeat at a 7- to 10-day interval throughout the season. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 30 lbs. of product/A per single application (24 lbs. a.i./A). • A maximum of 6 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 10 days |
| Avocados | Brown Mite | 10 - 30 (8 - 24 lbs. a.i./A) | Apply when mites are first noticed and as needed thereafter. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 30 lbs. of product/A per single application (24 lbs. a.i./A). • A maximum of 6 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |

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CROP USE DIRECTIONS (continued)

| Crop | Pest | MICROTHI 80WDG Rate lbs. product/A (lbs. a.i./A) | Directions |
|--|---|--|---|
| Bananas | Mites | 10 - 30 (8 - 24 lbs. a.i./A) | <p>Begin applications at first sign of disease and reapply as needed.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 30 lbs. of product/A per single application (24 lbs. a.i./A). • A maximum of 6 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| Barley, Corn, Oats, Rye, Sorghum, Wheat | <u>For Suppression</u> Grass Banks Mite Pacific Mite Red Spider Mite Two-Spotted Mite <u>For Control</u> Atlantic Mite (Small Grains only) | 6 - 15 (4.8 - 12 lbs. a.i./A) | <p>Apply when insect pressure is imminent and repeat spray as necessary or apply with the regularly scheduled pest control program.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT apply more than 49 lbs. of product per acre/year (39.2 lbs. a.i./A). • DO NOT apply more than 15 lbs. of product/A per single application (12 lbs. a.i./A). • A maximum of 8 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| Beans, Peas | Leaf Spot Powdery Mildew Red Spider Mite Rust | 3 - 10 (2.4 - 8 lbs. a.i./A) | <p>Start in early leaf stage. Repeat application every 10 to 14 days with or without pesticides immediately after a rain.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT apply more than 42.9 lbs. of product per acre/year (34.3 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 14 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 10 to 14 days |
| Cole Crops Broccoli, Brussels Sprouts, Cabbage, Cauliflower | Powdery Mildew Red Spider Mite Rust | 3 - 10 (2.4 - 8 lbs. a.i./A) | <p>Start in early leaf stage. Repeat applications every 10 to 14 days with or without pesticides immediately after a rain.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT apply more than 30.6 lbs. of product per acre/year (24.5 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 10 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 10 to 14 days |

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CROP USE DIRECTIONS (continued)

| Crop | Pest | MICROTHI 80WDG Rate lbs. product/A (lbs. a.i./A) | Directions |
|---|--|--|--|
| Blackberries, Boysenberries, Loganberries, Dewberries, Raspberries | Powdery Mildew Red Berry Mite (Raspberries only) | 6 - 12 (4.8 - 9.6 lbs. a.i./A) | Begin application before blossoms open and repeat at 10-day interval, as necessary. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 12 lbs. of product/A per single application (9.6 lbs. a.i./A). • A maximum of 10 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 10 days |
| Blueberries, Gooseberries, Currants, Huckleberries | Powdery Mildew | 6 - 15 (4.8 - 12 lbs. a.i./A) | Begin when disease first appears. Repeat at a 7- to 10-day interval or as necessary. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 36.7 lbs. of product per acre/year (29.4 lbs. a.i./A). • DO NOT apply more than 15 lbs. of product/A per single application (12 lbs. a.i./A). • A maximum of 6 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 10 days |
| Celery | Powdery Mildew Red Spider Mite Rust | 4 - 6 (3.2 - 4.8 lbs. a.i./A) | Apply at early leaf stage and repeat applications at a 7- to 10-day interval, as needed. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 15.6 lbs. of product per acre/year (12.5 lbs. a.i./A). • DO NOT apply more than 6 lbs. of product/A per single application (4.8 lbs. a.i./A). • A maximum of 3 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 10 days |
| Cowpeas | Rust | 2 - 9 (1.6 - 7.2 lbs. a.i./A) | Begin applications as soon as seedlings emerge and repeat at a 7- to 10-day interval, as needed. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 30.6 lbs. of product per acre/year (24.5 lbs. a.i./A). • DO NOT apply more than 9 lbs. of product/A per single application (7.2 lbs. a.i./A). • A maximum of 15 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 10 days |

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CROP USE DIRECTIONS (continued)

| Crop | Pest | MICROTHI 80WDG Rate lbs. product/A (lbs. a.i./A) | Directions |
|--|--|--|---|
| Carrots | Petrobia Mite Powdery Mildew | 3 - 10 (2.4 - 8 lbs. a.i./A) | Apply at early leaf stage and repeat application every 14 days, as needed. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 20 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 14 days |
| Citrus Australian desert lime, Australian finger lime, Australian round lime, Brown River finger lime, Calamondin, Citron, Citrus hybrids, Grapefruit, Japanese summer grapefruit, Kumquat, Lemon, Lime, Mediterranean mandarin, Mount White lime, New Guinea wild lime, Orange, sour, Orange, sweet, Pummelo, Russell River lime, Satsuma mandarin, Sweet lime, Tachibana orange, Tahiti lime, Tangelo, Tangerine (Mandarin), Tangor, Trifoliolate orange, Uniq fruit, Cultivars, varieties and/or hybrids of these | Bud Mite Flat Mite Red Spider Mite Rust Mite Silver Mite Six-Spotted Mite Thrips Yuma Spider Mite | 8 - 20 (6.4 - 16 lbs. a.i./A) | Apply in any spray not containing oil or following oil by 21 days. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 153 lbs. of product per acre/year (122.5 lbs. a.i./A). • DO NOT apply more than 20 lbs. of product/A per single application (16 lbs. a.i./A). • A maximum of 19 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| Clover | Mites Powdery Mildew | 2 - 9 (1.6 - 7.2 lbs. a.i./A) | Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 36.8 lbs. of product per acre/year (29.4 lbs. a.i./A). • DO NOT apply more than 9 lbs. of product/A per single application (7.2 lbs. a.i./A). • A maximum of 18 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| Cotton | Atlantic Mite Red Spider Mite | 5 - 10 (4 - 8 lbs. a.i./A) | Apply throughout season as necessary. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 12 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |

CROP USE DIRECTIONS (continued)

| Crop | Pest | MICROTHI 80WDG Rate lbs. product/A (lbs. a.i./A) | Directions |
|---|------------------|---|--|
| <p>Cucurbit Vegetables Chayote, Chinese waxgourd, Citron melon, Cucumber, Gherkin (<i>Cucumis anguria</i>), Gourd, edible, <i>Momordica</i> spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber), Muskmelon (hybrids and/or cultivars of <i>Cucumis melo</i>) (includes true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon), Pumpkin (<i>Cucurbita</i> spp.), Squash, summer, Squash, winter, Watermelon (includes hybrids and/or varieties of <i>Citrullus lanatus</i>)</p> | Powdery Mildew | <p>Cucumbers: 2 - 6 (1.6 - 4.8 lbs. a.i./A)</p> <p>Melons: 20 - 25 (16 - 20 lbs. a.i./A)</p> <p>Squash: 5 - 10 (4 - 8 lbs. a.i./A)</p> | <p>Apply when the disease first appears and repeat as necessary throughout the growing season at 10- to 14-day intervals. Sulfur can injure plants, especially when temperatures exceed 95°F.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT use on sulfur sensitive varieties. • DO NOT apply more than 42.9 lbs. of product per acre/year (34.3 lbs. a.i./A) in cucumbers and squash; and 61.25 lbs. of product per acre/year (49 lbs. a.i./A) in melons. • DO NOT apply more than 6 lbs. of product/A per single application (4.88 lbs. a.i./A) with a maximum number of 21 applications per year in cucumbers when applied at the lowest listed rate. • DO NOT apply more than 25 lbs. of product/A per single application (20 lbs. a.i./A) with a maximum number of 3 applications per year in melons when applied at the lowest listed rate. • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A) with a maximum number of 8 applications per year in squash when applied at the lowest listed rate. • Retreatment interval: 10 to 14 days |
| <p>Dates</p> | Banks Grass Mite | <p>20 (16 lbs. a.i./A)</p> | <p>Begin applications when mites or mite webbing is noticed and apply every 14 days as necessary until dates are mature and no more feeding occurs. Apply in sufficient water to provide thorough coverage of date clusters.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT apply more than 153 lbs. of product per acre/year (122.5 lbs. a.i./A). • DO NOT apply more than 20 lbs. of product/A per single application (16 lbs. a.i./A). • A maximum of 7 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 14 days |
| <p>Eggplant</p> | Powdery Mildew | <p>2 - 5 (1.6 - 4 lbs. a.i./A)</p> | <p>Begin applications when first true leaves appear. Repeat applications on a weekly basis as needed.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT apply more than 42.9 lbs. of product per acre/year (34.3 lbs. a.i./A). • DO NOT apply more than 5 lbs. of product/A per single application (4 lbs. a.i./A). • A maximum of 21 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |

(continued)

CROP USE DIRECTIONS (continued)

| Crop | Pest | MICROTHI 80WDG Rate lbs. product/A (lbs. a.i./A) | Directions |
|--|---|--|---|
| Endive, Swiss Chard, Salsify | Powdery Mildew Red Spider Mite Rust | 4 - 6 (3.2 - 4.8 lbs. a.i./A) | Apply at early leaf stage and repeat every 10 to 14 days or as needed. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 22.5 lbs. of product per acre/year (18 lbs. a.i./A). • DO NOT apply more than 6 lbs. of product/A per single application (4.8 lbs. a.i./A). • A maximum of 5 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 10 to 14 days |
| Figs (California Only) | Eriophyid Mite Fig Rust Mite | 4 - 6 (3.2 - 4.8 lbs. a.i./A) | Begin applications in April and continuing on a 3 to 4-week schedule until June. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 6 lbs. of product/A per single application (4.8 lbs. a.i./A). • A maximum of 15 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 21 to 28 days |
| Garlic, Onions (Dry, Green), Dry Shallots | Petrobia Mites Powdery Mildew | 3 - 10 (2.4 - 8 lbs. a.i./A) | Apply at early leaf stage and repeat application every 14 days, as needed. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 49 lbs. of product per acre/year (39.2 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 16 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 14 days |
| Grapes | Blister Mite Bud Mite Powdery Mildew Red Spider Mite | 3 - 10 (2.4 - 8 lbs. a.i./A) | Apply in late dormant or with cutworm spray, early shoot period and through season on a 14-day schedule or with pesticides. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 49 lbs. of product per acre/year (39.2 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 16 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 14 days |

(continued)

CROP USE DIRECTIONS (continued)

| Crop | Pest | MICROTHI 80WDG Rate lbs. product/A (lbs. a.i./A) | Directions |
|--|---|--|---|
| Grass Seed Crops <i>Gramineae/Poaceae</i> family (except sugarcane and those included in the cereal grains group) | Mites Rust | 5 - 10 (4 - 8 lbs. a.i./A) | Apply when mites appear and repeat on a 7 to 10-day schedule. For Rust control, a tank mix with a triazole fungicide including propiconazole is specified. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 36.75 lbs. of product per acre/year (29.4 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 7 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 10 days |
| Greens - Turnip, Collards, Kale And Mustard Greens | Powdery Mildew Red Spider Mite Rust Septoria Leaf Spot | 3 - 10 (2.4 - 8 lbs. a.i./A) | Apply at early leaf stage and repeat every 14 days or as needed. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 30.6 lbs. of product per acre/year (24.5 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 10 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 14 days |
| Hops (Not For Use in California.) | Red Spider Mite | 2 - 6 (1.6 - 4.8 lbs. a.i./A) | Apply when mites appear and repeat every 14 days or as needed to maintain control. |
| | Powdery Mildew | 4 - 6 (3.2 - 4.8 lbs. a.i./A) | Apply when new shoots emerge and repeat every 14 days throughout the season. Restrictions for hops: <ul style="list-style-type: none"> • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 6 lbs. of product/A per single application (4.8 lbs. a.i./A). • A maximum of 30 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 14 days |
| Kava (Awa, Kawa) (Hawaii Only) | Carmine Spider Mites | 8 - 20 (6.4 - 16 lbs. a.i./A) | Apply in sufficient water to cover entire plant leaf surface. Apply as a dilute spray in a minimum of 100 gallons per acre. For severe infestations, apply on a 7 to 10-day schedule. Once control is obtained, apply on a 14 to 21-day schedule. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 42.9 lbs. of product per acre/year (34.3 lbs. a.i./A). • DO NOT apply more than 20 lbs. of product/A per single application (16 lbs. a.i./A). • A maximum of 5 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 21 days |

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CROP USE DIRECTIONS (continued)

| Crop | Pest | MICROTHI 80WDG Rate lbs. product/A (lbs. a.i./A) | Directions |
|------------------------------------|---|--|---|
| Lettuce (Head and Leaf) | Powdery Mildew Red Spider Mite Rust | 5 - 10 (4 - 8 lbs. a.i./A) | Apply at early leaf stage and repeat every 14 days, as needed. Thorough coverage is required. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 18.4 lbs. of product per acre/year (14.7 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 3 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 14 days |
| Mangoes | Powdery Mildew | 10 - 30 (8 - 24 lbs. a.i./A) | Begin application before bloom. Repeat in bloom after fruit set and 3 weeks later or as necessary. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 34.5 lbs. of product per acre/year (27.6 lbs. a.i./A). • DO NOT apply more than 30 lbs. of product/A per single application (24 lbs. a.i./A). • A maximum of 3 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 21 days |
| Okra | Leaf Spot Mites Powdery Mildew | 3 - 10 (2.4 - 8 lbs. a.i./A) | Apply at early leaf stage and repeat every 14 days, as needed. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 20 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 14 days |
| Olive | Olive Mite | 10 - 30 (8 - 24 lbs. a.i./A) | Apply as needed. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 85.75 lbs. of product per acre/year (68.6 lbs. a.i./A). • DO NOT apply more than 30 lbs. of product/A per single application (24 lbs. a.i./A). • A maximum of 8 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |

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CROP USE DIRECTIONS (continued)

| Crop | Pest | MICROTHI 80WDG Rate lbs. product/A (lbs. a.i./A) | Directions |
|--|--|--|--|
| Papaya (Hawaii Only) | Mites (including Broad mites, Flat mites, and Spider mites, except Carmine mites) | 8 - 26 (6.4 - 20.8 lbs. a.i./A) | Apply when mites first appear and repeat applications as necessary to maintain control. Restrictions: <ul style="list-style-type: none"> • DO NOT tank mix with EC (emulsifiable concentrate) formulations of other pesticides as foliar injury is likely to occur. • DO NOT apply to weak or moisture stressed trees. • DO NOT apply during periods of excessively high temperatures or periods of low rainfall. • DO NOT apply more than 78 lbs. of product per acre/year (62.4 lbs. a.i./A). • DO NOT apply more than 26 lbs. of product/A per single application (20.8 lbs. a.i./A). • A maximum of 3 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| Peanuts | Leaf Spot Powdery Mildew Red Spider Mite | 5 - 8 (4 - 6.4 lbs. a.i./A) | Start in early leaf stage. Repeat applications as necessary. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 36.75 lbs. of product per acre/year (29.4 lbs. a.i./A). • DO NOT apply more than 8 lbs. of product/A per single application (6.4 lbs. a.i./A). • A maximum of 7 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| Pecans (Not For Use in California.) | Powdery Mildew Red Spider Mite Sooty Mold Two-Spotted Mite | 10 - 20 (8 - 16 lbs. a.i./A) | Apply at bloom or early petal-fall. Repeat as necessary. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 30 lbs. of product per acre/year (24 lbs. a.i./A). • DO NOT apply more than 20 lbs. of product/A per single application (16 lbs. a.i./A). • A maximum of 3 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| Peppers (Bell and Non-Bell) | Powdery Mildew Red Spider Mite | 3 - 10 (2.4 - 8 lbs. a.i./A) | Begin application at the initial stage of vegetation and repeat every 14 days, as needed. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 42.9 lbs. of product per acre/year (34.3 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 14 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 14 days |

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CROP USE DIRECTIONS (continued)

| Crop | Pest | MICROTHI 80WDG Rate lbs. product/A (lbs. a.i./A) | Directions |
|--|-----------------------------------|--|--|
| Peppermint, tops; Spearmint, tops | Powdery Mildew | 4 - 6 (3.2 - 4.8 lbs. a.i./A) | <p>Apply when mint is 5 to 6 inches tall or when disease first appears. Repeat twice at 30-day intervals.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • PHI: Do not apply within 30 days of harvest. • DO NOT apply more than 12 lbs. of product per acre/year (9.6 lbs. a.i./A). • DO NOT apply more than 6 lbs. of product/A per single application (4.8 lbs. a.i./A). • A maximum of 2 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 14 days |
| Pineapple (Hawaii Only) | Mites | 10 - 30 (8 - 24 lbs. a.i./A) | <p>Apply when mites first appear and repeat applications as necessary to maintain control.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 30 lbs. of product/A per single application (24 lbs. a.i./A). • A maximum of 6 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| Pistachios | Citrus Flat Mite | 20 - 25 (16 - 20 lbs. a.i./A) | <p>Apply when mites first appear. Repeat as necessary. When temperatures exceed 90°F, lower rates and make more frequent applications to avoid crop injury.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 25 lbs. of product/A per single application (20 lbs. a.i./A). • A maximum of 3 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| Potatoes, Sweet Potatoes | Powdery Mildew Red Spider Mite | 3 - 10 (2.4 - 8 lbs. a.i./A) | <p>Apply at early leaf stage and repeat every 14 days, as needed.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT apply more than 18.4 lbs. of product per acre/year (14.7 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 6 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 14 days |

(continued)

CROP USE DIRECTIONS (continued)

| Crop | Pest | MICROTHI 80WDG Rate lbs. product/A (lbs. a.i./A) | Directions |
|---------------------|-----------------------------------|--|---|
| Pomegranates | Mites | 3 - 10 (2.4 - 8 lbs. a.i./A) | <p>Begin applications in late spring/early summer when mites begin to appear. Make additional applications on a 3 to 4 week schedule or as necessary. When temperatures are at or exceed 95°F, reduce rates and apply on a more frequent schedule to avoid possible crop injury.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 20 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 28 days |
| Soybeans | Leaf Spot Powdery Mildew | 6 - 15 (4.8 - 12 lbs. a.i./A) | <p>Apply when disease first appears and repeat as necessary or with the regularly scheduled insect control program.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT apply more than 18.4 lbs. of product per acre/year (14.7 lbs. a.i./A). • DO NOT apply more than 15 lbs. of product/A per single application (12 lbs. a.i./A). • A maximum of 3 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| Strawberries | Powdery Mildew Red Spider Mite | 5 - 10 (4 - 8 lbs. a.i./A) | <p>For Mites, start in early leaf stages. For Powdery Mildew, begin at first signs of disease and repeat as necessary.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT use on sulfur sensitive varieties. • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 12 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| Sugar Beets | Powdery Mildew Red Spider Mite | 10 - 20 (8 - 16 lbs. a.i./A) | <p>Apply at first indication of problem with or without other pesticides. Repeat at 10- to 30-day intervals, as necessary.</p> <p>Restrictions:</p> <ul style="list-style-type: none"> • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 20 lbs. of product/A per single application (16 lbs. a.i./A). • A maximum of 6 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 10 to 30 days |

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CROP USE DIRECTIONS (continued)

| Crop | Pest | MICROTHI 80WDG Rate lbs. product/A (lbs. a.i./A) | Directions |
|--|--|--|--|
| Table Beets | Powdery Mildew Red Spider Mite | 3 - 5 (2.4 - 4 lbs. a.i./A) | Apply as soon as symptoms appear and repeat every 2 to 3 weeks as necessary. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 24.5 lbs. of product per acre/year (19.6 lbs. a.i./A). • DO NOT apply more than 5 lbs. of product/A per single application (4 lbs. a.i./A). • A maximum of 8 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 14 to 21 days |
| Tomatoes | Powdery Mildew Russet Mite* Two-Spotted Mite | 3 - 10* (2.4 - 8 lbs. a.i./A) * For Russet Mite, apply 10 to 20 pounds per acre (8 to 16 lbs. a.i./A). | Apply at onset of symptoms. Thorough coverage is required. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 20 lbs. of product/A per single application (16 lbs. a.i./A). • A maximum of 20 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| Turnips, Parsnips, Horseradish, Radish, Rutabagas | Powdery Mildew Red Spider Mite | 3 - 10 (2.4 - 8 lbs. a.i./A) | Apply at the early leaf stage and repeat every 14 days, as needed. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 30.6 lbs. of product per acre/year (24.5 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 10 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 14 days |
| Walnuts, Macadamia Nuts (Hawaii) | Almond Mite Pacific Mite Two-Spotted Mite | 10 - 20 (8 - 16 lbs. a.i./A) | Apply throughout the season as needed. Certain varieties of walnuts are sensitive to sulfur sprays under certain conditions. Restrictions: <ul style="list-style-type: none"> • DO NOT apply unless the varieties are known to be not sensitive to sulfur in your area. • DO NOT apply more than 61.25 lbs. of product per acre/year (49 lbs. a.i./A). • DO NOT apply more than 20 lbs. of product/A per single application (16 lbs. a.i./A). • A maximum of 6 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |

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CROP USE DIRECTIONS (continued)

| Crop | Pest | MICROTHI 80WDG Rate lbs. product/A (lbs. a.i./A) | Directions |
|--|---|--|--|
| Ornamentals | Clematis, Columbine, Ivy (English), Laurel, Petunia, Sage: For control of Leaf Spot. Asters, Carnations, Cosmos, Crepe Myrtle, Dahlia, Delphinium, Gladiolus, Ligustrum, Sunflowers, Sweet Peas, Violets, Zinnias: | 3 - 10 (2.4 - 8 lbs. a.i./A) | Ground Application: Apply in 100 gallons of water per acre. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 49.5 lbs. of product per acre/year (39.6 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 16 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 7 to 14 days |
| | For control of Powdery Mildew. Calendula, Cherry Laurels, Chrysanthemum, Hollyhock, Smilax: For control of Leaf Spot and Powdery Mildew. Roses: For control of Powdery Mildew and Black Spot. | 3 - 20 (2.4 - 16 lbs. a.i./A) | Aerial Application: Apply in a minimum of 10 gallons of water per acre. Ensure complete plant coverage. Begin when disease first appears and repeat at a 5- to 10-day interval. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 49.5 lbs. of product per acre/year (39.6 lbs. a.i./A). • DO NOT apply more than 20 lbs. of product/A per single application (16 lbs. a.i./A). • A maximum of 16 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 5 to 10 days |
| Turfgrass (Commercial Turf and Grass Including Golf Courses, Parks, Athletic Fields, Sod Farms) | Powdery Mildew Rust <u>For Suppression</u> Fusarium Patch Take-All | 3 - 10 (2.4 - 8 lbs. a.i./A) | Ground Application: Apply in 20 to 60 gallons of water. Make applications at the first sign of disease or when climatic conditions favor disease development. Repeat applications as needed. Tank mixes with systemic fungicides will improve control and aid in prevention resistance from developing. Restrictions: <ul style="list-style-type: none"> • DO NOT apply more than 55 lbs. of product per acre/year (43.98 lbs. a.i./A). • DO NOT apply more than 10 lbs. of product/A per single application (8 lbs. a.i./A). • A maximum of 18 applications are allowed per year when applied at the lowest listed rate. • Retreatment interval: 30 days |

CHEMIGATION APPLICATION

Instructions: Only apply this product through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. **DO NOT** apply this product through any other type of irrigation system. Uneven distribution of treated irrigation water can result in crop injury or lack of effectiveness. **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

Contact State Extension Service Specialists, equipment manufacturers, or other experts if you have any questions about calibration. 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, as needed.

DO NOT connect the chemigation system to any public water system. A public water system means any system for 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.

This product may be applied in conjunction with chemically neutral liquid fertilizers. Application in conjunction with highly alkaline fertilizers, including aqueous ammonia, may cause pesticide degradation, resulting in reduced performance, and need to be avoided.

System Requirements: Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- The system must contain a functional check valve, vacuum relieve 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 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 fitted with a system interlock.

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 this product in a mix tank. Fill the tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of this product and then the remaining volume of water.

Sprinkler Irrigation: Follow the requirements in the **System Requirements** section above. Set sprinkler system to deliver 0.1 - 1.25 inches of water per acre. Efficacy may be reduced with higher volumes of

water. Start sprinkler and uniformly inject the suspension of this product into the irrigation water line so as to deliver the desired rate per acre. The suspension of this product need to be injected with a positive displacement pump into the main line ahead of the right angle turn to ensure adequate mixing. When treatment with this product has been completed, **DO NOT** irrigate the treated area for 24 to 48 hours to prevent washing the chemical off the crop. Where sprinkler distribution patterns do not overlap sufficiently, unacceptable pest control may result. Check local restrictions and requirements regarding sprinkler applications, as they may vary from State to State.

Application Instructions: Follow the requirements in the **System Requirements** section above. Apply this product 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 ensure simultaneous shut off. Maintain a gentle continuous agitation in mix tank during mixing and application to ensure a uniform suspension.

Injecting a larger volume of a more dilute suspension per unit of time will provide greater accuracy in calibration and distribution. 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, or 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.

STORAGE AND DISPOSAL

DO NOT contaminate water, foodstuffs, feed, or seed by storage or disposal.

PESTICIDE STORAGE: Store in a cool place. Protect from excessive heat. Store product in original container only away from water, food, or feed. Keep container closed to prevent spills and contamination. Carefully open containers. After partial use, replace lid and close tightly. **DO NOT** put concentrate or diluted product into food or drink containers.

PESTICIDE DISPOSAL: DO NOT contaminate water, food, or feed by disposal. Improper disposal of excess pesticide, pesticide spray, or rinseate is a violation of Federal law. Wastes resulting from the use of this product that cannot be used according to the label instructions or chemically reprocessed may be disposed of on site or at a landfill or waste disposal facility approved for pesticide disposal, or in accordance with all applicable Federal, State, or local regulations. For further guidance, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Empty containers retain vapor and product residues.

Nonrefillable Container (flexible-bag-all weights): DO NOT reuse or refill this container. Offer for recycling, if available. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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 must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of UPL NA Inc. or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold UPL NA Inc. and Seller harmless for any claims relating to such factors.

UPL NA Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or UPL NA Inc. and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, UPL NA INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither UPL NA Inc. nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UPL NA INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF UPL NA INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

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