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6/4/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

Danielle A. Larochele  
Regulatory Affairs Manager  
NUFARM Americas Inc.  
4020 Aerial Center Parkway, Suite 101  
Morrisville, North Carolina 27560

JUN 04 2013

Subject: Micro Sulf Micronized Wettable Sulfur  
EPA Registration No. 55146-75  
Your resubmission amendment dated June 4, 2013  
Decision No. 469978

Dear Ms. Larochele:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. A stamped copy of your label is enclosed for your records. This label supersedes all previously accepted labels.

You must submit one (1) copy of the final printed label before you release the product for shipment. Products released for shipment after eighteen (18) months from the date of this letter must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions.

If you have any questions, please contact Tamue L. Gibson by phone at (703) 305-9096 or via email at [gibson.tamue@epa.gov](mailto:gibson.tamue@epa.gov).

Sincerely,

Hope A Johnson  
Acting Product Manager, Team 21  
Fungicide Branch  
Registration Division (7504P)

Enclosure

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# Micro Sulf®

MICRONIZED WETTABLE SULFUR

FUNGICIDE - MITICIDE



FOR USE ON FRUITS, NUTS, CITRUS, VEGETABLES, HOPS, SUGAR BEETS, COTTON,  
ALFALFA, CEREAL GRAINS, PEANUTS, ROSES, ORNAMENTALS AND TURF.

**ACTIVE INGREDIENT:**

Sulfur ..... 80.0%

**OTHER INGREDIENTS:**

..... 20.0%

**TOTAL:** ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION - PRECAUCION**  
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)  
**SEE LABEL BOOKLET ON BACK SIDE OF BAG FOR DIRECTIONS FOR USE**

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300  
For Medical Emergencies Only, Call (877) 325-1840



Manufactured For  
NUFARM AMERICAS INC.  
AGT DIVISION  
150 Harvester Drive  
Burr Ridge, IL 60527

EPA REG. No. 55146-75  
EPA EST. No. \_\_\_\_\_

NET CONTENTS:

**ACCEPTED**  
JUN 04 2013  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended for the pesticide  
registered under 55146-75  
EPA Reg. No. 55146-75

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION - PRECAUTION**

Causes moderate eye irritation. Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing dust or spray mist. Avoid contact with skin, eyes, or clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

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

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material, such as 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 separately from other laundry.

<b>USER SAFETY RECOMMENDATIONS</b>	
<b>Users Should:</b>	<ul style="list-style-type: none"> <li>• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.</li> <li>• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</li> <li>• Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing.</li> </ul>

<b>FIRST AID</b>	
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p><b>HOT LINE NUMBER</b></p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.</p>	

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### **ENVIRONMENTAL HAZARDS**

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwater.

### **ENDANGERED SPECIES CONCERNS**

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of Federal law.

### **CHEMICAL OR PHYSICAL HAZARD**

Keep away from heat, sparks, or flame. 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 (WPS), 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 PPE, notification to workers, and restricted-entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI of 24 hours.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical resistant gloves made of any waterproof material, such as polyethylene or polyvinyl chloride, shoes plus socks, and 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 Worker Protection Standard (WPS) for agricultural pesticides 40 CFR part 170. The Worker Protection Standard (WPS) applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated area until sprays have dried.

### **IMPORTANT**

In order to obtain effective mite and disease control, both the upper & lower sides of plant foliage and fruit must be thoroughly covered with Micro Sulf spray solution. Poor spray coverage will result in poor mite and disease control. When growing crops for "processing", consult the processor before applying sulfur. Do not use on any crop unless sulfur has been shown to be safe for that crop in your locality. Sulfur may burn foliage when temperatures exceed 90°F. Do not apply within 14 days of an oil spray for all crops except citrus. For citrus do not apply within 21 days of an oil spray.

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## DIRECTIONS FOR USE THROUGH CHEMIGATION SYSTEMS

Apply this product through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, hand move; drip (trickle, mini-micro sprinklers, strip tubing) irrigation systems. Do not apply this product through any other type of irrigation system.

**NOTE:** 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.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

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

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Do not connect the chemigation system to any public water system. Public water system means a system for the provision 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 combination with chemically neutral liquid fertilizers. Application in conjunction with highly alkaline fertilizers, such as aqueous ammonia, may cause a degradation of the pesticide, resulting in reduced performance, and should 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 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 functioning interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

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

### APPLICATION INSTRUCTIONS

Observe 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 shutoff.

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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 recommended quantities of irrigation water per acre may result in decreased product performance.

Do not apply when wind speed favors drift, when system connection 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 this product 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 this product and then the remaining volume of water.

#### **SPRINKLER IRRIGATION NOTES:**

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 product efficacy. Start sprinkler and then uniformly inject the suspension of this product into the irrigation waterline so as to deliver the desired rate per acre. The suspension of this product should be injected with a positive displacement pump into the main line ahead of a 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.

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

Where sprinkler distributed patterns do not overlap sufficiently, unacceptable pest control may result.

Check local restrictions and requirements regarding sprinkler irrigation applications, as they may vary from state to state.

#### **APPLICATION EQUIPMENT**

Apply through any type of handheld, knapsack, mechanical or pneumatic spraying equipment.

#### **MIXING:**

Pour the required amount of this product into the indicated amount of water while stirring. This product disperses instantly.

#### **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.

#### **COMPATIBILITY**

This product is completely compatible with Bordeaux mixture, copper fungicides, liquid fertilizers and all organic fungicides, insecticides, acaricides and herbicides.

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**USE INFORMATION**

Some crops may be damaged by sulfur under certain climatic conditions, such as when temperature is high. Application of this product is not recommended 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 much more sensitive to sulfur injury, so use the lowest labeled rate when using the product on a certain crop for the first time. If no crop injury is observed following treatment, then the application rate may be increased if needed. Do not use on any crop unless sulfur has been shown to be safe in your locality. Do not allow spray to drift into sulfur-sensitive crops such as apricots, cranberries and spinach; and d'Anjou pears during growing season. Do not use within two weeks of an oil spray treatment, except for Dormant, Delayed Dormant, or Postharvest applications with suitable oil. For citrus, do not apply within 21 days of an oil spray. Spreaders/stickers are not required for use with this product. If spreaders/stickers are used with this product, foliar injury may be enhanced under high temperatures. When growing crops for processing, consult the processor before applying sulfur.

**NOTE:** The application rates specified for each crop are the maximum that can 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 lower rates recommended in your local area.

**NUTRIENT USE**

Product applications will provide sulfur needed to meet the plant's nutrient requirements and should be considered for use in total nutrient applications. This product 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.

**VEGETABLE CROPS**

CROP	DISEASE or MITE	RATE PER ACRE (Pounds)	USE INSTRUCTIONS
ARTICHOKEs (all Varieties)	Leaf Spot	10 to 30	Apply when disease first appears and repeat at 7 to 10 day intervals as needed.
ASPARAGUS	Rust	10 to 30	Apply after cutting stops. Irrigate and cultivate prior to beginning applications. Repeat applications at 7 to 10 day intervals throughout the season.
BEANS	Leaf Spot, Powdery Mildew, Rust, Red Spider Mites	7	Apply at early leaf stage and repeat at 14 day intervals or as needed and immediately after rain.
BEETS, TABLE	Powdery Mildew, Red Spider Mite	3 to 5	Apply as soon as symptoms appear and every 2 to 3 weeks as needed.
BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, KOHLRABI	Powdery Mildew, Red Spider Mite, Septoria Leaf Spot, Rust	3 to 10	Begin applications in early leaf stage. Repeat every 10 to 14 days or as needed.
CARROTS	Powdery Mildew, Petrobia Mite	3 to 10	Apply at early leaf stage and repeat every 14 days or as needed.
CELERY, CHARD, SWISS CHARD, SALSIFY, ENDIVE	Powdery Mildew, Red Spider Mites, Rust	4 to 6	Apply beginning at the early leaf stage. Repeat application every 10 to 14 days as needed.

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CROP	DISEASE or MITE	RATE PER ACRE (Pounds)	USE INSTRUCTIONS
CUCUMBERS	Powdery Mildew	2 to 4	Apply when disease first appears and repeat as necessary. Do not apply more than 2 pounds of this product per acre per application during periods of high temperatures (when temperatures exceed 95°F).
EGGPLANTS	Powdery Mildew	4 to 6	Begin application when first true leaves appear. Repeat at weekly intervals as needed.
GREENS (Beet, Collards, Kale, Mustard, Turnip)	Powdery Mildew, Red Spider Mite, Septoria Leaf Spot	3 to 10	Apply at early leaf stage and repeat every 14 days or as needed.
LETTUCE (Head and Leaf)	Powdery Mildew, Rust, Red Spider Mite	5 to 6	Apply at early leaf stage and repeat every 14 days or as needed. Thorough coverage is required.
ONIONS, GARLIC, DRY ONIONS, DRY SHALLOTS	Powdery Mildew, Petrobria Mite	3 to 10	Apply when disease first appears and repeat as needed.
PEAS	Powdery Mildew, Septoria Leaf Spot, Rust, Red Spider Mite	3 to 5	Start application at early leaf stage. Repeat application every 10 to 14 days or immediately after rain.
PEPPERS, OKRA	Powdery Mildew, Broad Mite, Red Spider Mite, Septoria Leaf Spot	3 to 10	Apply at early leaf stage and repeat every 14 days or as needed.
POTATOES, SWEET POTATOES	Powdery Mildew, Red Spider Mite, Septoria Leaf Spot	5	Apply at early leaf stage and repeat every 14 days or as needed.
RUTABAGAS, RADISHES, PARSNIPS, HORSERADISH	Powdery Mildew, Red Spider Mite	3 to 10	Apply at early leaf stage and repeat every 14 days or as needed
SPINACH	Powdery Mildew, Rust	4 to 6	Apply when first sign of disease appears. Repeat at 7 to 10 day intervals as needed.
SQUASH	Powdery Mildew	5 to 10	Apply when disease first appears and repeat as needed. Sulfur can injure plants, especially when temperature reaches 95°F.
<b>NOTE:</b> Do not use on sulfur-sensitive varieties.			
TOMATOES	Two-Spotted Mite, Russet Mite, Powdery Mildew	5 to 10	Begin application when symptoms first appear. Thorough coverage is required. <i>Russet Mite</i> apply 10 to 20 pounds per acre.
TURNIPS	Powdery Mildew, Red Spider Mite	3 to 5	Apply at the early leaf stage and repeat every 14 days as needed.

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**FRUIT AND NUT CROPS**

<b>CROP</b>	<b>DISEASE or MITE</b>	<b>RATE PER ACRE (Pounds)</b>	<b>USE INSTRUCTIONS</b>
<b>ALMONDS</b>	Brown Rot, Blossom Blight, Powdery Mildew, Leaf Spot, Silver Mite, Flat Mite, Red Spider Mite	10 to 20	Apply at bloom or early petal fall. Repeat as necessary, usually 10 to 14 days after a period of wet weather.
<b>APPLES, PEARS</b>	Powdery Mildew, Scab, Blister & Silver Mites, Two-Spotted Mite, Red Spider Mite	10 to 20	Apply at pre-bloom and petal fall and with cover sprays throughout the season.
<b>NOTE: Do not apply to d'Anjou pears during growing season.</b>			
<b>APPLES, PEARS (Dormant, Delayed Dormant, or Post Harvest)</b>	Pear Psylla, Blister Mite, Two-Spotted Mite, Red Spider Mite	10 to 20	Apply with a suitable spray oil post harvest and during the dormant periods of bud development.
<b>NOTE: Do not apply to sensitive varieties of pears (i.e., d'Anjou) except at these stages.</b>			
<b>AVOCADOS</b>	Brown Mite	10 to 30	Apply as needed.
<b>BANANAS</b>	Mites	10 to 30	Apply as needed.
<b>CITRUS</b>	Broad Mite, Citrus Rust Mite, Flat Mite, Silver Mite, Bud Mite, Red Spider Mite, Six Spotted Mite, Thrips, Yuma Spider Mite	10 to 20	Apply as needed. Do not apply within 21 days of an oil spray.
<b>DATES</b>	Banks Grass Mites	10 to 30	Apply as needed.
<b>FIGS</b>	Mites, including Fig Mite, Eriophyid Mite	5 to 6 (dilute) 15 to 30 (concentrate or air)	Apply 5 to 6 pounds per acre in a minimum of 100 gallons of water per acre as a dilute application. Begin applications in April, and continue on a 3 to 4 week schedule through June. Apply at the rate of 15 to 30 pounds per acre by air or as a concentrate application.
<b>GRAPES</b>	Powdery Mildew, Bud Mite, Blister Mite, Red Spider Mite, Phomopsis	3 to 10	Begin application at late dormant or cutworm spray (early sprout). Apply throughout the season at 7 to 14 day intervals or as needed. Thorough coverage is required.
<b>NOTE: Use with caution on Concord or Labrusca type grapes as injury can occur after bloom.</b>			
<b>MANGOS</b>	Powdery Mildew	10 to 30	Begin application before bloom. Repeat at bloom, after fruit set, and 3 weeks later or as needed.
<b>OLIVES</b>	Olive Mites	10 to 30	Apply as needed.

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CROP	DISEASE or MITE	RATE PER ACRE (Pounds)	USE INSTRUCTIONS
PAPAYA	Mites (except Carmine mites)	10 to 30	Apply when mites first appear and repeat as needed. Do not apply in combination with emulsifiable pesticide formulations to avoid the potential for foliar injury. When temperatures exceed 95°F, lower rates and more frequent applications are advised in order to avoid crop injury. Do not apply within two weeks of an oil spray. May be applied up to 24 hours prior to harvest.
PECANS	Powdery Mildew, Sooty Mold, Leaf Spot, Two-Spotted Mite, Flat Mite, Silver Mite, Red Spider Mite, Eriophyid Mite (including Pecan and Hickory)	10 to 20	Apply throughout the season as needed.
PINEAPPLES	Mites, Powdery Mildew	10 to 30	<b>NOTE:</b> Some varieties of pecans are sensitive to sulfur sprays under certain conditions. Do not apply unless varieties are known to be tolerant of sulfur. Apply as needed.
PISTACHIOS	Mites, Flat Mite	20 to 25	Apply when mites first appear or begin applications in June to July. Make additional applications as necessary. When temperatures exceed 95°F, lower rates and more frequent applications are advised in order to avoid crop injury.
POMEGRANATES	Mites	3 to 10	Begin applications in May or June. Make additional applications on a 3 to 4 week schedule, or as necessary. Use higher specified rates if past mite damage has been high. If temperatures exceed 95°F, lower rates and more frequent applications advised in order to avoid crop injury.
QUINCE	Brown Rot, Powdery Mildew, Scab	10 to 30	Apply at early leaf stage and repeat as necessary.
WALNUTS, MACADAMIAS	Pacific Mite, Almond Mite, Two-Spotted Mite, Red Spider Mite, Broad Mite	10 to 20	<b>NOTE:</b> Do not use on sulfur-sensitive varieties. Apply throughout the season as needed.
			<b>NOTE:</b> Some varieties of walnuts are sensitive to sulfur sprays under certain conditions. Do not apply unless varieties are known to be tolerant of sulfur.

**STONE FRUITS**

CROP	DISEASE or MITE	RATE PER ACRE (Pounds)	USE INSTRUCTIONS
PEACHES, PLUMS, CHERRIES, NECTARINES, PRUNES	Powdery Mildew, Blossom Blight, Brown Rot, Leaf Spot, Silver Mite, Flat Mite, Red Spider Mite	10 to 30	Apply at bloom or early petal fall. Repeat as necessary, usually 10 to 14 days after a period of wet weather. For <i>Brown Rot</i> of fruit, apply when fruit starts to ripen.
			<b>NOTE:</b> Do not apply to apricots.

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**FIELD CROPS**

CROP	DISEASE or MITE	RATE PER ACRE (Pounds)	USE INSTRUCTIONS
ALFALFA	Atlantic Mite, Red Spider Mite	12 to 25	Apply throughout the season as necessary.
CEREALS (Barley, Corn, Oats, Rye, Sorghum, Wheat)	Red Spider Mite, Two-Spotted Mite, Pacific Mite, Atlantic Mite, Banks Grass Mite	8 to 15	Apply when insect pressure is imminent and repeat applications as necessary.
SUGARCANE			
CLOVER	Powdery Mildew, Red Spider Mites	2 to 9	Apply as needed.
COTTON	Atlantic Mite, Two-Spotted Mite, Red Spider Mite	5 to 10	Apply throughout the season as necessary.
COWPEAS	Rust	2 to 9	Apply as soon as seedlings emerge. Repeat at 7 to 10 day intervals.
FLAX	Powdery Mildew	2 to 9	Apply at first sign of disease. Repeat at 7 to 10 day intervals as needed.
PEANUTS	Powdery Mildew, Leaf Spot, Two-Spotted Mite, Red Spider Mite, Rust	5 to 8	Apply at early leaf stage and repeat application as necessary.
SOYBEANS	Leaf Spot, Powdery Mildew	10 to 15	Apply at early leaf stage and repeat at 14 day intervals or as needed.
SUGAR BEETS	Powdery Mildew, Red Spider Mite	10 to 15	Apply as soon as symptoms appear and repeat every 2 to 3 weeks or as needed.

**SMALL FRUITS AND BERRIES**

CROP	DISEASE or MITE	RATE PER ACRE (Pounds)	USE INSTRUCTIONS
BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, BLUEBERRIES, GOOSEBERRIES, HUCKLEBERRIES, CURRANTS	Powdery Mildew	6 to 15	Begin application before blossoms open and continue at 10 day intervals or as needed.
RASPBERRIES	Powdery Mildew, Red Berry Mites	6 to 15	Apply each week from first bloom to fruit set. Repeat, as the weather requires
STRAWBERRIES	Powdery Mildew, Two-Spotted Mite, Red Spider Mite	5 to 10	Begin application at early leaf stage and repeat as needed.
<b>Note: Do not use on sulfur-sensitive varieties.</b>			

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**MISCELLANEOUS**

<b>CROP</b>	<b>DISEASE or MITE</b>	<b>RATE PER ACRE (Pounds)</b>	<b>USE INSTRUCTIONS</b>
<b>MELONS</b>	Powdery Mildew	20 to 25	Apply when disease first appears and repeat as needed. Sulfur can injure plants, especially when temperature reaches 95°F.
<b>NOTE: Do not use on sulfur-sensitive varieties.</b>			
<b>SPEARMINT, PEPPERMINT</b>	Powdery Mildew	4 to 6	Apply when mint is 5 to 6 inches tall or when disease appears. Repeat twice, at 30 day intervals. Do not apply within 30 days of harvest.
<b>HOPS</b>	Red Spider Mite	2 to 6	Begin applications at early leaf stage and repeat as needed.
<b>ORNAMENTALS, ROSES</b>	Powdery Mildew, Leaf Spot, Two-Spotted Mite	3 to 10 (by ground) 3 to 20 (by air)	Apply to ensure complete plant coverage. Begin when disease first appears and repeat at 5 to 10 day intervals.

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

**For Control of Powdery Mildew**

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, Spiraea, Stag horn sumac, Sunflowers, Sweet Peas, Sycamore, Trumpet vine, Verbena, Violets, Willow, Witch hazel and Zinnia.

**For Control of Red Spider Mites**

Arborvitae, Carnation, Cedars, Chrysanthemums, Clematis, Hydrangea, Rose, Snapdragon, and Sweetpeas.

**For Control of Rust**

Aster, Carnation, Chrysanthemum, Rose, and Snapdragon.

**For Control of Leaf Spot**

Calendula, Cherry Laurels, Clematis, Columbine, English Ivy, Foxglove, Hollyhock, Hydrangea, Petunia, Phlox, Sage, Smilax, and Snapdragon.

**For Control of Botrytis Blight**

Hydrangea

**HOME AND GARDEN RATE EQUIVALENTS**

To control mites and diseases listed on this label apply at a rate of 2 to 5 tablespoons per gallon of water. Begin applications when the disease or mites first appear and continue at 7 to 14 day intervals until danger from the disease or mites has passed. During periods of humid or rainy, it may be necessary to make applications as often as every 2 or 3 days. Apply to plant foliage (both sides of leaves), stems, and flowers. Do not apply during full sun, or during times when temperatures exceed 95°F.

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**TURF AND UNCULTIVATED AGRICULTURAL AREAS**

CROP	DISEASE	RATE PER ACRE (Pounds)	USE INSTRUCTIONS
<b>COMMERCIAL TURF</b> including (but not limited to) golf courses, sod farms, grass grown for seed, and commercial lawns	Control of Rust and Powdery Mildew	3 to 10	Begin applications at the very first sign of disease as these are explosive diseases and very difficult to control once established. Repeat applications as needed. Tank mixing with systemic fungicides will improve control.
<b>Bentgrass, Bluegrass, Ryegrass and Fescue</b>	Suppression of Fusarium Patch and Take-all in Bentgrass	10 to 55	Apply monthly from September through May. Apply prior to outbreak of disease and use higher rate when conditions favor disease development and temperatures are below 80° F. Use lower rates when temperatures are greater than 80° F. May cause Poa Annua decline.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage and disposal.

**PESTICIDE STORAGE:** Store product in a closed package in a cool, dry 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 may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:**

**[Nonrefillable Bags]**

**Nonrefillable container.** Do not reuse or refill this container. Completely empty bag into application equipment. 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.

**[Nonrefillable Containers 50 lbs or Less]**

**Nonrefillable container.** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

**[Nonrefillable Containers larger than 50 lbs]**

**Nonrefillable container.** Do not reuse or refill this container. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local

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authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

**[Fiber Drums with Liners]**

**Nonrefillable container.** Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing or application equipment. Then offer for recycling, if available, or dispose of liner in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

**WARRANTY DISCLAIMER**

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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