

55146-75

10/16/2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mary Beth Endres
Registration Manager
Nufarm Americas, Inc.
AGT Division
150 Harvester Drive
Suite 200
Burr Ridge, IL 60527

OCT 16 2008

SUBJECT: Application for Pesticide Notification – Reformat Use Directions to Table Format
and Added Specific Use Directions for Stone Fruits
Micro Sulf® Micronized Wettable Sulfur
EPA Reg. No. 55146-75
Application Dated December 14, 2007

Dear Ms. Endres:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Terri Stowe of my staff at 703-305-6117.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060

 United States Environmental Protection Agency Washington, DC 20460		<div style="display: inline-block; border: 1px solid black; padding: 2px;"><input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other</div>	OPP Identifier Number
Application for Pesticide - Section I			
1. Company/Product Number 55146-75		2. EPA Product Manager Mary Waller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Micro Sulf Micronized Wettable Sulfur		PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Americas Inc. AGT Division 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527 <input type="checkbox"/> Check if this is a new address		6. Expedited Review: In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: <div style="text-align: center;">NOTIFICATION</div> <div style="text-align: center;">OCT 16 2008</div>	
Section - II			
<input type="checkbox"/> Amendment - Explain below.		<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	
<input type="checkbox"/> Resubmission in response to Agency letter dated _____		<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.		<input type="checkbox"/> Other - Explain below.	
Explanation: Use additional page(s) if necessary. (For section I and Section II.) Label Notification per PR Notice 98-10. Reformat use directions from paragraph to table format. Add specific use directions to Peaches, Plums, Cherries, Nectarines and Prunes to replace reference to follow directions for almonds. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46 and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I am subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.			
Section - III			
1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt No. per container	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/>
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	
Section - IV			
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Mary Beth Endres		Title Registration Manager	Telephone No. (Include Area Code) 630-455-2011
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			8. Date Application Received (Stamped)
2. Signature 		3. Title Registration Manager	
4. Typed Name Mary Beth Endres		5. Date 12-14-2007	



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Nufarm Americas Inc.

150 Harvester Drive, Suite 200

Burr Ridge, IL 60527

Telephone: (630) 455.2000 Facsimile: (630) 455.2001

www.us.nufarm.com

December 14, 2007

Mary Waller (PM 21)
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202-4501

Subject: Label Notification
Micro Sulf Micronized Wettable Sulfur, EPA Reg. No. 55146-75

Dear Ms. Waller:

Enclosed please find one copy of our label in accordance with PR Notice 98-10. The following changes were made to the label.

1. Reformat use directions from paragraph to table format.
2. Add use instructions from Almonds to "Peaches, Plums, Cherries, Nectarines and Prunes". Currently for these crops there is a notation to "Follow directions for almonds, above" (page 8 of label).

Should you have any questions please contact me at the address and telephone number above or by email listed below.

Sincerely,

A handwritten signature in cursive script that reads 'Mary Beth Endres'.

Mary Beth Endres
Registration Manager
Nufarm Americas Inc. AGT Division
Email: maryb.endres@us.nufarm.com

Enclosures

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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 INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

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

NOTIFICATION

OCT 16 2008

EPA REG. NO. 55146-75
EPA EST. NO. 62562-CHL-2

MANUFACTURED FOR
NUFARM AMERICAS INC.
AGT DIVISION
150 HARVESTER DRIVE
BURR RIDGE, IL 60527



NET CONTENTS LBS.

MADE IN CHILE

055146-75.20071213.Notification.Pending

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

May cause irritation of eyes. 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, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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 do so 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 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 to 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 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER

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.

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 wash water.

ENDANGERED SPECIES CONCERNS

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

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.

OBSERVE SPECIFIC INSTRUCTIONS FOR USE IN CALIFORNIA

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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.

CHEMICAL OR PHYSICAL HAZARD

Keep away from heat, sparks, or flame. Do not smoke while applying this product.

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.

DIRECTIONS FOR USE THROUGH CHEMIGATION SYSTEMS

NOT FOR THIS USE IN CALIFORNIA

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Observe all applicable precautions and limitations on the Federal label. Label must be in the possession of the user at the time of pesticide application.

GENERAL INSTRUCTIONS:

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.

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.

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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 insure simultaneous shutoff.

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 insure 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 restriction and requirements regarding sprinkler irrigation applications, as they may vary from state to state.

GENERAL APPLICATION INSTRUCTIONS

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.

USE INSTRUCTIONS

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 the lowest labeled rate (or below labeled rates) should be tried initially. Do not use on any crop unless sulfur has been shown to be safe in your locality. Do not allow spray to drift 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 should be applied. These amounts may be reduced if experience or local practice indicates that lesser amounts may be effective. Consult State Agriculture Experiment Station or State Extension Service Specialist for rates 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 SPROUT, 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.
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.

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VEGETABLE CROPS - (CONTINUED)

CROP	DISEASE or MITE	RATE PER ACRE (Pounds)	USE INSTRUCTIONS
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, Petrobia 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.
Note: 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.

FRUIT AND NUT CROPS

CROP	DISEASE or MITE	RATE PER ACRE (Pounds)	USE INSTRUCTIONS
ALMONDS	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.
APPLES, PEARS	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.
Note: Do not apply to d'Anjou pears during growing season.			
APPLES, PEARS (Dormant, Delayed Dormant, or Postharvest)	Pear Psylla, Blister Mite, Two-Spotted Mite, Red Spider Mite	10 to 20	Apply with a suitable spray oil postharvest and during the dormant periods of bud development.
Note: Do not apply to sensitive varieties of pears (i.e., d'Anjou) except at these stages.			
AVOCADOS	Brown Mite	10 to 30	Apply as needed.

FRUIT AND NUT CROPS - (CONTINUED)

CROP	DISEASE or MITE	RATE PER ACRE (Pounds)	USE INSTRUCTIONS
BANANAS	Mites	10 to 30	Apply as needed.
CITRUS	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.
DATES	Banks Grass Mites	10 to 30	Apply as needed.
FIGS	Mites, including Fig Mite, Eriophyid Mite	5 to 30	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.
GRAPES	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.
	Note: Use with caution on Concord or Labrusca type grapes as injury can occur after bloom.		
MANGOS	Powdery Mildew	10 to 30	Begin application before bloom. Repeat at bloom, after fruit set, and 3 weeks later or as needed.
OLIVES	Olive Mites	10 to 30	Apply as needed.
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.
	Note: Some varieties of pecans are sensitive to sulfur sprays under certain conditions. Do not apply unless varieties are known to be tolerant of sulfur.		
PINEAPPLE	Mites, Powdery Mildew	10 to 30	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 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.
	Note: Do not use on sulfur sensitive varieties.		

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	Follow directions for almonds, above. Apply at bloom or early petal fall. Repeat as necessary, usually 10 to 14 days after a period of wet weather. For Brown Rot of fruit, apply when fruit starts to ripen.
	Note: Do not apply to apricots.		
WALNUTS, MACADAMIAS	Pacific Mite, Almond Mite, Two-Spotted Mite, Red Spider Mite, Broad Mite	10 to 20	Apply throughout the season as needed.
	Note: Some varieties of walnuts are sensitive to sulfur sprays under certain conditions. Do not apply unless varieties are known to be tolerant of sulfur.		

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) SUGARCANE	Red Spider Mite, Two-Spotted Mite, Pacific Mite, Atlantic Mite, Grass Banks Mite	8 to 15	Apply when insect pressure is imminent and repeat applications as necessary.
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.

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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.
Note: Do not use on sulfur-sensitive varieties.			

MISCELLANEOUS

CROP	DISEASE or MITE	RATE PER ACRE (Pounds)	USE INSTRUCTIONS
MELONS	Powdery Mildew	20 to 25	Apply when disease first appears and repeat as needed. Sulfur can injure plants, especially when temperature reaches 95°F.
Note: Do not use on sulfur-sensitive varieties.			
SPEARMINT, PEPPERMINT	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.
HOPS	Red Spider Mite	2 to 6	Begin applications at early leaf stage and repeat as needed.
ORNAMENTALS, ROSES	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.

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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. Applications should begin 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.

TURF AND UNCULTIVATED AGRICULTURAL AREAS

CROP	DISEASE	RATE PER ACRE (Pounds)	USE INSTRUCTIONS
COMMERICAL TURF including (but not limited to) golf courses, sod farms and grass grown for seed	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.
Bentgrass, Bluegrass, Ryegrass and Fescue and Take-all in Bentgrass	Suppression of Fusarium Patch	10 to 55	Apply monthly from September through May. Apply prior to outbreak of disease and use higher rate when conditions favor disease and temperatures are below 80° F. Use lower rates when temperatures are greater than 80° F. May cause Poa Annua decline.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or 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 DISPOSAL: Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then dispose of bag in a sanitary landfill, by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

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If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV:21307N)

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09/04/07 Created Quark EPA Master Label based on August 10, 2001 EPA stamped label. Per request from Tom Kroll/Jason Miller, add Radicchio to label. Placed Radicchio with Celery, Chard, Swiss Chard, Salsify and Endive. Use directions changed from paragraph to table format, add new warranty and emergency telephone numbers to front panel. Submitted to EPA as an amendment.

12/13/07 EPA denied amendment to add Radicchio. EPA believes it is a new use and should be submitted under PRIA. Working on rebuttal with Bill Mahlborg. Remove Radicchio from label and submit reformatted label to EPA as a notification. Added new warranty wording and street address on front page.