

49668-2

02/10/2005

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DEMAND™

RED BALL

BRAND

ACCEPTED

FEB 10 2005

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 49668-2

For Organic Production

SUPERFINE WETTABLE SULFUR

For Spraying Fruits, Vegetables, & Ornamentals

ACTIVE INGREDIENT

Sulfur..... 80.0%

OTHER INGREDIENTS..... 20.0%

TOTAL..... 100.0%

FIRST AID

If Swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Have person sip a glass of water if able to swallow. • Do not give anything by mouth to an unconscious person.
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 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 further treatment advice.

For emergency information, call 1-229-244-0000, or your poison control center.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

See Side Panels for Additional Precautionary Statements

INTERNATIONAL SULPHUR, INC.

P. O. BOX 611 • MT. PLEASANT, TEXAS 75456-0611

EPA REG. NO. 49668-2

EPA EST. NO. 49668-TX-1

NET CONTENTS 50 LBS., 22.7 KG

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed. Avoid breathing vapors or spray mist. May cause irritation of nose, throat or skin. Avoid contact with eyes, skin and clothing. Do not contaminate food or feed products. Keep out of reach of children.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

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

User should:

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

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. 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 apply where weather conditions favor drift from areas treated. Do not contaminate water when disposing of rinsate or equipment washwater.

PHYSICAL AND CHEMICAL HAZARDS

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

STORAGE & DISPOSAL

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

PESTICIDE STORAGE: Store unused product in original container only in cool, dry area out of reach of children and animals.

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 bags in a sanitary landfill or by incineration if allowed by state and local authorities

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, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear

GENERAL INFORMATION

Apply this product only as specified on this label. Do not use this product for any uses other than those specified on this label. Superfine Wettable Sulfur is formulated for use in water as a spray on fruit, vegetable and ornamental crops for the control of certain fungus diseases and mites. It may be combined in the spray tank with most commonly used fungicides and insecticides. Pour the specific amount of this product on surface of water in nearly filled spray tank or pre-mix in a bucket before pouring into spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. Do not allow mixture to stand. Do not use in low volume gear type spray equipment. Do not combine with emulsified liquids unless previous use of the mixture has proven physically compatible and safe to plants

NOTE: Do not use sulfur in combination with oil or within 21 days of an oil spray. Do not use sulfur on apples or other sensitive crops when shade temperatures exceed, or are likely to exceed 90° F. Do not apply or allow sulfur to drift to Cucurbits (cucumber, cantaloupe, melon, squash) or tung. Do not apply to or allow spray drift on sulfur-sensitive plants such as D'anjou pears, apricots, chrysanthemums, cranberries, spinach, or other sensitive crops listed on this labeling. To do so may result in severe fruit and leaf injury. When growing crops for processing, consult the processor before applying sulfur.

CHEMIGATION

Apply this product only through sprinkler 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 nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extensive 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 STOP AGITATION WITH SULFUR IN SUPPLY TANK. SULFUR IS HIGHLY CORROSIVE AND EQUIPMENT SHOULD BE CLEANED THOROUGHLY.

For center pivots, apply during one full revolution of the system.

For portable or solid set systems, apply during the final 15 minutes of the irrigation system. **DO NOT OPERATE IRRIGATION SYSTEM AFTER APPLICATION UNTIL DEPOSIT HAS THOROUGHLY DRIED.**

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 serviced connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of

4/7

the reservoir tank of at least twice the inside diameter of the fill pipe. For non-public water sprinkler chemigation systems, the system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticide and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

DILUTE GROUND APPLICATION

A - Orchard application - Apply specified rate in 100-800 gallons of water per acre.

B - All other applications - Apply specified rate in 20-60 gallons of water per acre.

CONCENTRATE GROUND APPLICATION

A - Orchard application - Apply specified rate in 20-100 gallons of water per acre.

B - All other applications - Apply specified rate in not less than 5 gallons of water per acre.

AERIAL APPLICATION

A - Orchard application - Should not be applied in less than 10 gallons of water per acre.

B - All other applications - Apply specified rate in 5-20 gallons of water per acre.

Recommendations: Pour needed amount into spray tank under agitation. If necessary, add a few drops of oil to avoid foaming.

FRUIT AND NUT CROPS

ALMONDS – Brown Rot, Powdery Mildew, Leaf Spot, Scab - Apply 8 to 30 lbs. per acre in pre-bloom, bloom, and post-bloom periods. Apply when disease threatens during rain periods and repeat at 7 to 10 day intervals. Mites - Brown, Almond, European Red, Two-Spotted, Pacific, Strawberry (Atlantic) Silver, Flat - 8 to 30 lbs. per acre as needed when infestation is noted.

APPLES – Scab, Powdery Mildew - 8 to 30 lbs. per acre - Apply prebloom, bloom, petal fall, shuck and as a cover spray throughout the season. Mites - Blister European Red, and Two-Spotted - 8 to 30 lbs. per acre as needed when infestation is noted.

AVOCADOS – Brown Mite - 8 to 30 lbs. per acre as needed.

CANE FRUITS – Blackberries, Blueberries, Boysenberries, Currants, Dewberries, Gooseberries, Huckleberries, Loganberries, Raspberries: Powdery Mildew - Apply 6 to 12 lbs. per acre when new shoots are 6 inches long and before blossoms open. Repeat at 10 day intervals as necessary.

CHERRIES – Blossom Blight, Brown Rot, Powdery Mildew, Leaf Spot, Rust - 3.6 to 9.5 lbs. per acre - Apply pre-bloom, bloom, petal fall, and as a cover spray at 7 to 14 day intervals and as a postharvest foliar treatment for leaf spot. Mites - Silver and Flat - 3.6 to 9.5 lbs. per acre as needed.

CITRUS – Rust Mite - Use 8 to 20 lbs. of sulfur per acre according to size and type of tree. For additional information, consult your State Citrus Spray Guide. Begin applications at first signs of damage and repeat as necessary. Rust mites should be controlled at all times of the year in order to prevent russetting of fruit and greasy spot on leaves. Do not apply within 30 days of oil application.

FIGS – Fig Rust Mite - Apply 8 to 20 lbs. per acre when mites first appear. Since the effectiveness of sulfur varies in different localities, State Agricultural Experiment Stations should be consulted as to the effectiveness before application.

GRAPES – Powdery Mildew, Bud Mites, Blister Mites, Red Spider - 1.9 to 6 lbs. per acre, beginning when shoots are 6-8 inches long and continuing at 7-10 day intervals. Concord and other Labrusca type grapes may be injured by sulfur.

MANGOES – Powdery Mildew - 10 to 30 lbs. per acre. Begin before bloom. Repeat in bloom, after fruit set and 3 weeks later or as necessary.

MELONS – Powdery Mildew - Apply 10 to 20 lbs. per acre. Treat when the disease first appears and repeat as necessary. Sulfur can injure plants especially when the temperature exceeds 90°F. Do not use on sulfur sensitive varieties.

OLIVES – For control of Olive Mite - Apply 8 to 30 lbs. per acre. Do not use sulfur in hot weather as damage may result to crop and foliage.

PEACHES AND NECTARINES – Brown Rot Blossom Blight, Coryneum Blight, Rust, Powdery Mildew, Scab - Apply 10 to 18 lbs. per acre in pre-bloom, bloom and post-bloom periods. Apply when disease threatens during rain periods and repeat at 7 to 10 day intervals. Peach Silver Mites - 10 to 18 lbs. per acre as needed when infestations appear.

PEARS – Scab, Powdery Mildew - 8 to 30 lbs. per acre - Pre-bloom, petal fall, shuck and as a cover spray throughout the season. Mites-Blister, European Red, Two-Spotted - 8 to 30 lbs. per acre as needed. Sensitive varieties such as D'Anjou and Comice may be injured by sulfur under certain climatic conditions.

PECANS – Powdery Mildew, Leaf Spot, Silver Mite, Flat Mite, Red Spider Mite - Apply 10 to 20 lbs. per acre at bloom or early petal fall. Repeat as necessary, usually 10 to 14 days or after a period of wet weather.

PISTACHIOS – Citrus Flat Mite - 8 to 30 lbs. per acre. Apply when mites first appear and repeat as necessary.

PLUMS AND PRUNES – Brown Rot Blossom Blight, Scab, Powdery Mildew, Rust, Leaf Spot - Apply 10 to 18 lbs. per acre in pre-bloom, bloom and post-bloom periods. Apply when disease threatens during rain periods and repeat at 7 to 10 day intervals. Silver Mites - 10 to 18 lbs. per acre as needed.

QUINCE – Brown Rot, Powdery Mildew, Scab - Apply 8 to 30 lbs. per acre. Begin before diseases are expected to appear. Repeat at 7 to 10 day intervals or as necessary.

STRAWBERRIES – Powdery Mildew, Red Spider Mite - 5 to 10 lbs. per acre. Start in early leaf stage, repeat applications at 10-14 day intervals with or without other pesticides. For Powdery mildew, begin at first signs of disease and repeat as necessary. Sulfur may injure strawberries under certain climatic conditions.

WALNUTS – Mites - European Red, Pacific, Almond, Two-Spotted, Red Spider - 8 to 30 lbs. per acre. Apply with mite sprays during season to increase the effectiveness of miticides. Note to User: Certain varieties are sensitive to sulfur sprays under certain conditions. Do not apply unless the varieties are known to be tolerant of sulfur. Certain varieties of walnuts are sensitive to sulfur. Do not apply unless the variety is known to be sulfur tolerant.

VEGETABLE CROPS

ARTICHOKES – Globe - Leaf Spot - 3 to 10 lbs. per acre. Begin when disease first appears and repeat at 7 to 10 day intervals as necessary.

ASPARAGUS – Rust - Apply 10 to 20 lbs. per acre after cutting stops, and at 7 to 10 day intervals through the season, during the fern period, apply at 2 to 3 week intervals or with a regular insect program. For Two-Spotted and Brown Mites - Use 4 to 6 lbs. per acre as necessary.

BEANS AND PEAS – Powdery Mildew, Rust, and Leaf Spot- 4 to 7.8 lbs. per acre at first sign of infection and every 7 to 14 days as necessary. Mites - Two-Spotted, Pacific, Strawberry (Atlantic) - 4 to 7.8 lbs. per acre as necessary.

CARROTS – Powdery Mildew - 3 to 10 lbs. per acre. Begin at first sign of disease and repeat at 7 to 10 day intervals.

COLE CROPS – Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Kale, Mustard Greens, Rutabagas, Turnips - Powdery Mildew 3 to 10 lbs. per acre beginning in early leaf stage and repeating every 10 to 14 days as needed, or immediately after rain. Mites - Two-Spotted, Pacific, Strawberry (Atlantic)- 3 to 10 lbs. per acre as necessary.

EGGPLANTS – Powdery Mildew - Apply 3 to 10 lbs. per acre. Begin when first true leaves appear. Repeat at weekly intervals.

ONIONS AND GARLIC – Powdery Mildew - 3 to 10 lbs. per acre. Begin before disease is expected to appear and repeat as necessary.

PEPPERMINT AND SPEARMINT – Powdery Mildew - Apply 4 to 5 lbs. per acre 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.

PEPPERS – Powdery Mildew, Leaf Spot - 3 to 10 lbs. per acre beginning in the early leaf stage and repeating every 10 to 14 days as necessary.

6/7

POTATOES – Powdery Mildew, Leaf Spot - 3 to 10 lbs. per acre. Apply when disease first appears and repeat at 3 to 4 week intervals. Two-Spotted Mites - 4.0 to 12.5 lbs. per acre as necessary.

SPINACH – Powdery Mildew, Rust (Puccinia) - Apply 3 to 10 lbs. per acre. Apply when diseases first appear. Repeat at 7 to 10 day intervals.

TOMATOES – Tomato Russet Mite - 8 to 30 lbs. per acre. Begin when infestation first occurs and repeat as necessary.

FIELD CROPS

ALFALFA – Lygus Mites, Pacific Mites, Strawberry Mites - 3 to 5 lbs. per acre as necessary. Repeat at two week intervals.

CLOVER – Powdery Mildew, Spider Mites - Apply 3 to 5 lbs. per acre. Begin when crop is in bud stage or at first sign of disease. Repeat at 7-10 day intervals, repeating as necessary.

CORN AND SORGHUM – Powdery Mildew - 3 to 5 lbs. per acre. Apply when disease appears and repeat as necessary. Two-Spotted Mites, Pacific Mites - 3 to 5 lbs. per acre when infestation first appears, repeating as necessary.

COTTON – Strawberry (Atlantic) Mites, Lygus Mites - 3 to 5 lbs. per acre beginning when infestation first occurs and every 7 to 14 days as necessary.

JWPEAS – Rust - Apply 3 to 10 lbs. per acre. Begin soon after seedlings emerge. Repeat at 7 to 10 day intervals through the season.

FLAX – Powdery Mildew - Apply 3 to 10 lbs, per acre. Begin at first sign of disease. Repeat at 7 to 10 day intervals or as necessary.

GRASS SEED CROPS – Timothy Mite - Apply 3 to 10 lbs. per acre. Begin at first sign of infestation. Repeat at 5 to 10 day intervals. Repeat as necessary.

HOPS – Mite Suppression - Apply 3 to 5 lbs. per acre. Begin when infestation first appears and repeat at 5 to 10 day intervals. Repeat as necessary.

PEANUTS – Rust, Powdery Mildew, Leaf Spot - 3 to 10 lbs. per acre beginning in early leaf stage and repeating every 10 to 24 days as necessary.

SMALL GRAINS – Barley, Oats, Rye, Wheat - Powdery Mildew - 3 to 5 lbs. per acre. Apply when disease appears and repeat as necessary. Two-Spotted Mites, Pacific Mites, Strawberry (Atlantic) Mites - 3 to 5 lbs. per acre as necessary.

SOYBEANS – Powdery Mildew - 3 to 10 lbs. per acre. Apply when disease appears and repeat as necessary. Two- Spotted Mites, Pacific Mites, Strawberry (Atlantic) Mites - 3 to 10 lbs. per acre beginning when infestation is first noted, repeating as necessary.

SUGAR BEETS – Powdery Mildew - 10 to 20 lbs. per 100 gals. of water or 30 to 50 lbs. per acre beginning when disease first appears, repeating at 3 to 4 week intervals.

VETCH – Rust - Apply 3 to 10 lbs. per acre. Begin at first sign of disease. Repeat at 7 to 10 day intervals.

FLOWERS AND ORNAMENTALS

APPLICATION: To control the diseases and red spiders listed below, use spray using 6 lbs. per acre. Applications should be made at 5 to 7 day intervals, beginning when the disease or mites first appear and continuing until all danger from the disease is past. During periods of humid or rainy weather it may be necessary to make applications as often as every 2 to 3 days.

POWDERY MILDEW – Aster, Chrysanthemum, Cosmos, Dahlia, Daisy, Delphinium, Dogwood, Euonymus Golden Fleece, Hibiscus, Honeysuckle, Hydrangea, Lady's Mantle, Ligustrum, Lilac, Crepe Myrtle, Phlox, Poplar, Silver Vine, Rose, Spiraea, Sunflower, Verbena, Willow and Zinnia.

LEAF SPOT – Calendula, Cherry Laurel, Clematis, Columbine, English Ivy, Foxglove, Hydrangea, Petunia, Phlox, Sage, Smilax and Snapdragon.

BLACK SPOT – Rose. **POWDERY MILDEW** – Rose.

BOTRYTIS BLIGHT – Hydrangea.

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

7/7

POULTRY

CHICKENS, TURKEYS, DUCKS, GEESE, GAME BIRDS AND PIGEONS – To control depluming mites, dust liberally on birds and rub into feathers. To treat poultry houses, apply 200 - 250 pounds per 20,000 square feet as a spray (25 - 50 pounds per 100 gallons of water). Apply thoroughly to all interior surfaces of poultry houses. Force spray into cracks and crevices. Repeat applications as needed. **Note Physical and Chemical Hazards when applying this product.**

ANIMALS

For use on domestic livestock (equine, cattle, swine, sheep and goats) to control ticks, lice, fleas, and sheep ked. Also for use on dogs: to control fleas and ticks, dust animal liberally and rub into hair. To treat quarters, apply 200 - 250 pounds per 20,000 square feet as a spray (25 - 50 pounds per 100 gallons of water). Apply thoroughly to all interior surfaces of quarters. Force spray into cracks and crevices. Repeat application as needed. **Note Physical and Chemical Hazards when applying this product.**

CHIGGERS

CHIGGER CONTROL: For control of chiggers in yard, cover entire lawn, flower garden, shrubs and any place chiggers may hide. This should be done a day or two before protection is desired and should be repeated at weekly intervals. Use approximately 2 pounds per 1000 sq. ft. in enough water for thorough coverage.

IMPORTANT: USE ONLY ACCORDING TO STATE RECOMMENDATIONS. WHEN USED AS DIRECTED THIS PRODUCT WILL PROVIDE EFFECTIVE AND ECONOMICAL CONTROL OF LISTED DISEASES AND INSECTS AND PROMOTE HEALTHY LUSH GROWTH.

WARRANTY STATEMENT

INTERNATIONAL SULPHUR, INC. warrants that this product in its unopened package conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal use conditions on the crops specified. There are no other warranties, expressed or implied, concerning the use of this product other than indicated on the label. This warranty does not extend to the handling or use of this product contrary to label instruction or under abnormal conditions or under conditions not reasonably foreseeable to seller and buyer assumes all risk of any such use.

ISI 031104 / CPC 49496