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THIOLUX® DRY FLOWABLE

MICRONIZED SULFUR

ACTIVE INGREDIENT:

Sulfur.....80%

INERT INGREDIENTS.....20%

100%

KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

CAUTION

AVOID BREATHING SPRAY MIST

FIRST AID

ACCEPTED
SEP 15 1987
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 14822-1

55947-48

If on skin: Wash with soap and plenty of water. Get medical attention.

If in eyes: Flush eyes with plenty of water for at least fifteen minutes and get medical attention.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if inhaled or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

PHYSICAL AND CHEMICAL HAZARDS

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

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RE-ENTRY STATEMENT

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Do not enter treated areas for 24 hours unless appropriate protective clothing is worn.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "Area treated with THIOLUX® on (date). Do not enter without appropriate protective clothing for 24 hours."

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Must be stored under dry conditions.

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 into application equipment. Then 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.

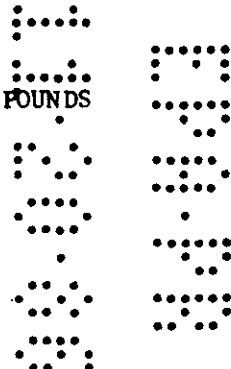
NOTICE: Zoecon Corporation warrants that the chemical composition of this product conforms to the chemical description on the label and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. Zoecon makes no other warranties, express or implied, concerning the use of this product other than as indicated on the label. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given on the label.

EPA Reg. No. 11273-1
U.S. Pat. No.
EPA Est. No. 36841-FR-01

NET _____
LOT _____

POUNDS

ZOECON CORPORATION
A Sandoz Company
Crop Protection Division
Palo Alto, California 94303



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DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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

USE PRECAUTIONS

Some crops are susceptible to injury from sulfur under certain climatic conditions. The user is advised not to use on any crop unless local use has proven sulfur to be safe in that locality.

Sulfur may burn foliage or cause fruit injury when temperatures are excessively high. Do not apply to or allow spray drift on sulfur sensitive plants such as Anjou pears, apricots, cranberries, or spinach. Do not apply with or following an oil application for 21 to 60 days. Do not apply oil for 14 days following treatment, except for dormant sprays on pears. Follow all other label directions or precautions as indicated.

When growing crops for processing consult processor before applying sulfur.

DIRECTIONS FOR DILUTION

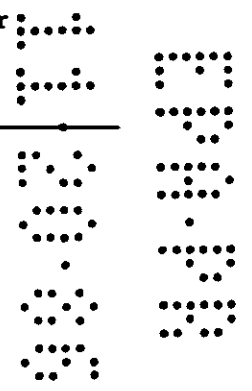
Dilute Application: Ground Application: Apply specified rate in 20 to 60 gallons of water per acre. Orchard Application: Apply specified rate in 100 to 800 gallons of water per acre.

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

Air Application: Apply specified rate in 3 to 20 gallons of water per acre. Orchard rates should not be applied in less than 10 gallons of water per acre.

Use lower recommended rates when using concentrate equipment. Use higher rates when using dilute applications.

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CROPS

Almonds, Cherries, Plums, Prunes, Peaches, Nectarines: Brown rot blossom blight, Cherry leafspot, Prune rot, Powdery mildew, Scab, Leafspot, Silver mite, Flat mite, Red spider mite - Apply 10 to 30 lbs. per acre. 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.

Apples, Pears: Powdery mildew, Scab, Blister mite, Red spider mite - Apply 10 to 30 lbs. per acre. Do not apply to Anjou pears. Apply pre-bloom and petal fall. Apply with cover sprays throughout the season.

Asparagus: Rust - Apply 10 to 30 lbs. per acre. Use after cutting stops. Irrigate and cultivate before applying the sulfur. Repeat at 7 to 10 day intervals throughout the season.

Avocados: Brown mite - Apply 10 to 30 lbs. per acre as needed.

Beans, Peas, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Celery, Lettuce, Collards, Kale, Mustard Greens, Rutabagas, Turnips, Peppers, Potatoes: Powdery mildew, Rust, Red spider mite - Apply 3 to 10 lbs. per acre. Start in early leaf stage. Repeat application every 10 to 14 days with or without pesticides immediately after a rain.

Blackberries, Blueberries, Boysenberries, Currants, Dewberries, Gooseberries, Huckleberries, Loganberries: Powdery mildew - Apply 6 to 15 lbs. per acre. Begin when new shoots are 6 inches long and before blossoms open or when disease first appears. Repeat at 7 to 10 day intervals or as necessary.

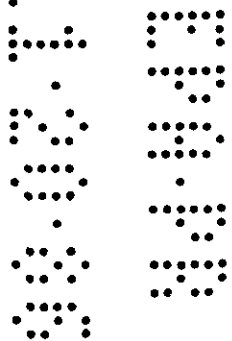
Carrots, Onions, Garlic: Petrobia mite and Powdery mildew - Apply 3 to 10 lbs. per acre when the disease first appears and repeat as needed.

Citrus: Flat mite, Silver mite, Rust mite, Broad mite, Bud mite, Red spider mite, Six spotted mite, Thrips, Yuma spider mite - Apply 8 to 20 lbs. per acre. Apply in any spray - NOT CONTAINING OIL - or following oil by 14 days.

Corn, Sweet Corn, Cereal Grains including Wheat, Rice, Barley, Oats, Milo and Rye, Sorghum, Soybeans: For suppression of the Red spider mite, Two-spotted mite, Grass banks mite, and Pacific mite; for control of the Atlantic mite (small grain only) and for control of Powdery mildew (soybeans only) - Apply 6 lbs. per acre. For soybeans, apply 7.5 to 12.5 lbs. per acre. Apply when disease first appears and repeat as necessary or with the regularly scheduled insect program.

Cotton, Alfalfa: Atlantic mite, Red spider mite - Apply 3 to 5 lbs. per acre as needed.

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Cucurbits: Powdery mildew-Apply 2-4 lbs/acre. Cucumber, Watermelons, Cantaloupes and Squash are very sensitive to sulfur. Never apply more than 1.25 pounds of Thiolut per acre per application during periods of high temperatures.

Grapes: Powdery mildew, Bud mite, Blister mite, Red spider mite-Apply 6 lbs. per acre. Apply in late dormant or with cutworm spray, early shoot period and through season on 14 day schedule or with pesticides.

Mangoes: Powdery mildew - Apply 10-30 lbs. per acre. Begin before bloom. Repeat in bloom, after fruit set and 3 weeks later or as necessary.

Melons/Squash: Powdery mildew - Use 10-15 lbs. per acre. Treat when the disease first appears and repeat as necessary. Sulfur can injure plants, especially when the temperature reaches 95° F. Do not use on sulfur sensitive varieties.

Peanuts: Powdery mildew, Rust, Red spider mite, Leaf spot - Apply 3 to 5 lbs. per acre. Start in early leaf stage. Repeat applications as necessary, usually 10 to 24 days.

Raspberries: Powdery mildew - Apply 6 to 15 lbs. per acre. Spray each week starting at first bloom color. Continue until all fruit is set, then repeat as weather requires.

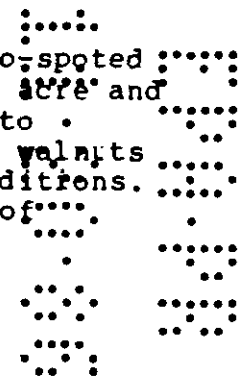
Spearmint, Peppermint: Powdery mildew - Apply 4 to 6 pounds per acre when mint is 5-6" tall or when disease appears. Repeat twice, at 30 day intervals. Do not apply within 30 days of harvest.

Strawberries: Powdery mildew, Red spider mite - Apply 5 to 10 lbs. per acre. Start in early leaf stage, repeat application with or without pesticides. For Powdery mildew, begin at first signs of disease and repeat as necessary. Do not use on sulfur sensitive varieties.

Sugar Beets, Table Beets: Powdery mildew, Red spider mite - Apply 5 to 10 lbs. per acre at 10 to 30 day intervals with or without other pesticides as soon as the first symptoms appear.

Tomatoes: Russet mite, Powdery mildew - Apply 3 to 10 lbs. per acre. Begin as soon as first symptoms appear. Thorough coverage is required.

Walnuts, Pecans, Macadamias: Pacific mite, Almond mite, Two-spotted mite, Red spider mite, Broad mite - Apply 10 to 30 lbs. per acre and repeat as necessary. Apply with mite sprays during season to increase the effectiveness. CAUTION: Certain varieties of walnuts and pecans are sensitive to sulfur sprays under certain conditions. Do not apply unless the varieties are known to be tolerant of sulfur.



6056

ORNAMENTALS

Apply 3 to 10 lbs. per acre by ground or 3 to 20 lbs. per acre by air in aqueous spray ensuring complete plant coverage. Begin when disease first appears and repeat at 5 to 10 day intervals.

Asters, Carnations: For control of Powdery mildew.

Calendula, Cherry laurels, Chrysanthemums, Hollyhock, Smilax: For control of Leaf spot and Powdery mildew.

Clematis, Columbine, Ivy (English), Laurel, Petunia, Sage: For control of Leaf spot.

Cosmos, Crepe Myrtle, Dahlia, Delphinium, Gladiolus, Ligustrum, Sunflowers, Sweet Peas, Violets, Zinnias: For control of Powdery mildew.

Roses: For control of Powdery mildew and Black spot.

NUTRIENT USE

THIOLUX applications will provide sulphur for the plants' nutrient requirements and should be considered in the total plant nutrient applications. THIOLUX can be used as a micronutrient supplement by either foliar or soil application. THIOLUX is recommended on the following crops: Alfalfa, almonds, avocados, apples, barley, all beans, broccoli, cabbage, cauliflower, carrots, celery, citrus, corn, grapes, lawns, lettuce, milo, melons, nectarines, rice, pears, peaches, pecans, peppers, plums, prunes, potatoes, peanuts, sorghum, soybeans, sugar beets, sweet corn, sugar cane, strawberries, tomatoes, turnips, walnuts, watermelons, wheat and most other crops. Consult your State Agricultural Experimental Station or Extension Specialist for advice in selecting treatments to best fit local conditions.

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