



Drexel®

# 80% MICRONIZED WETTABLE SULFUR

For use on Fruit and Nut Crops, Vegetables, Field and Row Crops, Ornamental Turf and Flowers and for use as a pH adjuster.

**MAY BE DUSTED OR SPRAYED DIRECTLY ON CROPS.**

**ACTIVE INGREDIENT:**

Sulfur .....	80.0%
OTHER INGREDIENTS:.....	20.0%
TOTAL: .....	100.0%

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

See FIRST AID Below

EPA Reg. No. 19713-552  
EPA Est. No. 19713-XXX-XX

Net Content: \_\_\_\_\_

### FIRST AID

**IF ON SKIN OR CLOTHING:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.

**IF IN EYES:**

- 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 eye.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

**PERSONAL PROTECTIVE EQUIPMENT**

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, long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes plus socks and goggles or face shield.

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.

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### PRECAUTIONARY STATEMENTS (Cont.)

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for Agricultural Pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### USER SAFETY RECOMMENDATIONS

**Users should:** 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) 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

Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur.

### 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 regulations.

Do not apply this product through any type of irrigation system.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and the Worker Protection Standard (WPS), 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, 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 statement on this label about Personal Protective Equipment (PPE) 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 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 and goggles or face shield.

Manufactured By:

**Drexel Chemical Company**

P.O. BOX 13327, MEMPHIS, TN 38113-0327

**SINCE 1972**

552SP-1214\*

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## APPLICATION INSTRUCTIONS

Apply through any type of hand-held, 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

**GROUND:** 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

**GROUND:** 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

**GROUND:** 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.

## TO USE AS A SPRAY

Select a suitable hand sprayer or power unit which uses a ground rig or aerial applicator. Measure the recommended amount for the specific spray problem separately into water and stir to make a thin slurry paste. Fill the spray tank one-half full and then add the Sulfur slurry to the tank before other materials are added. When using a suitable approved wetting agent, add it to the tank last to avoid possible foaming. Keep spray mixture agitated while spraying. Mix only the amount of spray needed for the job.

## TO USE AS A DUST

Choose a suitable hand or power duster as needed, or select a certified ground or aerial applicator who uses specialized dusting equipment designed to deposit the dust on all plant surfaces. For best results, apply when wind velocity is below 5 mph. Observe precautions concerning use on Sulfur-sensitive plants and temperatures at the time of application.

**WHEN TO USE:** Apply to crops as needed in season when Mites or diseases first appear and when insect buildup and plant disease damage are imminent. Repeat as directed for continued control. Contact your State Agricultural Extension Service for crop spray or dusting schedules which give the proper timing for applications in your locality.

## HOW MUCH SPRAY OR DUST TO USE

Apply the lower recommended rate during periods of minimal to moderate disease or insect infestation, for regular season cover sprays and when temperatures are in the high 80's and low 90's.

Apply the higher recommended rate when Mites or diseases are damaging the crop, when weather conditions are favorable for their continued damage and when temperatures are below and will not exceed 90°F within the following 3 days after the application.

## USE PRECAUTIONS

In order to obtain effective Mite and disease control, both the upper and lower sides of plant foliage and fruit must be thoroughly covered with 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 temperature exceed 90°F. Sulfur will cause severe fruit and leaf injury to sensitive plants. Do not use on or allow product to drift to Apricots, D'Anjou or Cornice pears, Cranberries, Filberts, Spinach, Tung trees and other sensitive plants. Do not apply within 14 days of oil spray for all crops except Citrus. FOR CITRUS, do not apply within 21 of an oil spray.

## AS A SPRAY OR DUST FOR FRUIT

Crop	Disease	Rate per Acre
Almonds, Cherries, Plums, Prunes	Brown rot, Flat mites, Leaf spots, Powdery mildew, Red spider mites, Rust (Prunes only), Scab (Almonds only), Silver mites	4 to 30 lbs.
	USE INSTRUCTIONS: Apply at bloom or early petal fall; repeat as necessary, usually 10 to 14 day intervals or after periods of wet weather for disease control. For Brown rot and Prune rot on Plums and Prunes, use 34 to 40 lbs. per acre 5 weeks before harvest. Repeat every 7 days if wet weather prevails and disease threatens during the harvest period.	
Apples, Pears	Blister mites, Powdery mildew, Scab, Silver mites, Spider mites	4 to 30 lbs.
	USE INSTRUCTIONS: Apply pre-bloom and petal fall. Apply with cover sprays as needed throughout the season. For Scab, use 34 to 40 lbs. per acre at green tip and again at pink bud. Pink bud treatments will also control Powdery mildew. Do not apply during or shortly before frost conditions. Sulfur may injure certain varieties of Apples. Check specific varietal tolerance to Sulfur prior to use. Pears only: Do not apply after fruit begins to turn down.	
Avocado	Brown mites	2 to 30 lbs.
	USE INSTRUCTIONS: Apply at first sign of Mite buildup and repeat for control as needed or at 10 to 14 day intervals.	
Blackberries, Blueberries, Boysenberries, Dewberries, Gooseberries, Huckleberries, Raspberries, Loganberries, Currants, Strawberries	Powdery mildew ( <i>Sphaerotheca humuli</i> )	3 to 15 lbs.
	USE INSTRUCTIONS: Apply each week starting at first bloom color. Continue at 10 to 14 day intervals until fruit is set; then repeat as necessary and as weather conditions require.	
Blackberries ( <i>Rubis spp.</i> )	Red berry mites ( <i>Acalitus essigi</i> )	3 to 15 lbs.
	USE INSTRUCTIONS: Start applications as a spray in early bud swell and repeat applications as necessary for Mite control.	
Citrus	Citrus rust mites, Six-spotted mites	56 to 90 lbs.
	USE INSTRUCTIONS: Use as a dust. Do not apply within 21 days of an oil spray.	
	Citrus flat mites	90 to 112 lbs.
	USE INSTRUCTIONS: Use as a dust as needed. Do not apply within 21 days of an oil spray.	
	Citrus thrips, Yuma mites	112 lbs.
Citrus (Grapefruits, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus Citron, Kumquats and hybrids of these)	Flat mite, Rust mites, Six-spotted mites, Silver mites, Spider mites	5 to 30 lbs.
	USE INSTRUCTIONS: Use as a spray. Limit to one application per season where supplemental Rust mite control is needed between main sprays; otherwise, apply in any spray NOT CONTAINING OIL as needed for control during season or within 3 weeks of an oil spray as fruit burn may occur. Apply when Mites are present in damaging numbers and repeat as needed or at 10 to 14 day intervals.	
Dates	Banks grass mites	61 to 153 lbs.
	USE INSTRUCTIONS: Apply higher rates by air. Thorough coverage is needed for good control.	
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Crop	Disease	Rate per Acre
Fig	Fig rust mites	45 lbs.
	USE INSTRUCTIONS: Apply in Spring and again in early Summer.	
Grapes	Blister mites, Bud mites, Powdery mildew, Spider mites	6 to 20 lbs.
	USE INSTRUCTIONS: Apply in late dormant or with (1) Cutworm spray, (2) in early shoot period, (3) then through season at 14 day cover spray intervals or with or without pesticides. Begin when shoots are 6, 12, 18 inches long. Thereafter, repeat each 10 to 14 days to harvest.	
	Rust	17 to 22.5 lbs.
	USE INSTRUCTIONS: Begin when new shoots are 6 inches long. Repeat before blossoms open and continue as necessary. Concord and other Labrusca-type Grapes may be injured by Sulfur.	
Mangoes	Powdery mildew	33 lbs.
	USE INSTRUCTIONS: Apply before flowering and continue at intervals of 20 days.	
Olives	Bud mites	2 lbs.
	USE INSTRUCTIONS: Apply at the first sign of Mite buildup and repeat for control as needed or at 10 to 14 day intervals.	
Peaches, Nectarines	Brown rot, Powdery mildew, Silver mites, Spider mites	4 to 30 lbs.
	USE INSTRUCTIONS: Apply at bloom or early petal fall. Repeat as necessary, usually 10 to 14 day intervals or after periods of wet weather for disease control. For Rust and Powdery mildew use 56 lbs. after pit hardening. For Silver mite, use 28 to 40 lbs. per acre after thinning. For Brown rot, use 56 to 68 lbs. per acre 4 weeks pre-harvest and again 2 weeks later.	
Pistachios	Citrus flat mites	61 lbs.
	USE INSTRUCTIONS: Apply when Mites first appear and repeat as necessary.	
Pomegranates	Mites	61 lbs.
	USE INSTRUCTIONS: Apply at first sign of Mites and repeat as necessary.	
Walnuts	Almond mites, Pacific mites, Red spider mites, Two-spotted mites	22.5 lbs.
	USE INSTRUCTIONS: CAUTION: Certain varieties of Walnuts are sensitive to Sulfur sprays under certain conditions. Do not apply unless the varieties are known to be tolerant of Sulfur.	

#### AS A SPRAY OR DUST FOR VEGETABLES

Crop	Disease	Rate per Acre
Beans, Broccoli, Brussels sprout, Cabbage, Cauliflower, Collards, Kale, Mustard greens, Peas, Peppers, Rutabagas, Turnips	Powdery mildew	3 to 15 lbs.
	USE INSTRUCTIONS: Start in the early leaf stage. Repeat application every 10 to 14 days with or without pesticides or immediately after a rain. Do not apply to varieties susceptible to Sulfur injury. See section entitled "When to Use".	
Beans, Brussels sprout, Cabbage, Mustard greens, Peas, Peppers, Rutabagas, Turnips	Spider mites	3 to 15 lbs.
	USE INSTRUCTIONS: Start in the early leaf stage. Repeat application every 10 to 14 days with or without pesticides or immediately after a rain. Do not apply to varieties susceptible to Sulfur injury. See section entitled "When to Use".	

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(Cont.)		
Crop	Disease	Rate per Acre
Beans	Leaf spots	3 to 15 lbs.
	USE INSTRUCTIONS: Start in the early leaf stage. Repeat application every 10 to 14 days with or without pesticides or immediately after a rain. Do not apply to varieties susceptible to Sulfur injury. See section entitled "When to Use".	
Carrots, Garlic, Onions	Petrobria mites, Powdery mildew	28 to 34 lbs.
	USE INSTRUCTIONS: Use as needed for control. See section entitled "When to Use".	
Cucurbits (Cucumbers, Squash)	Powdery mildew	18 to 24 lbs.
	USE INSTRUCTIONS: Do not apply when temperature exceeds 90°F or to varieties susceptible to Sulfur injury. Repeat applications in 7 to 10 days if necessary.	
Melons	Powdery mildew, Spider mites	24 to 31 lbs.
	USE INSTRUCTIONS: Do not apply to varieties susceptible to Sulfur injury. Melon foliage is extremely sensitive to Sulfur burn. Observe use precautions and apply only when temperatures are well below 90°F. See section on "When to Use" and "How Much Spray or Dust to Use".	
Potatoes	Powdery mildew	3 to 14 lbs.
	USE INSTRUCTIONS: Apply at first sign of infection and repeat at 3 week intervals.	
Tomatoes	Russet mites	3 to 30 lbs.
	USE INSTRUCTIONS: Thorough coverage of upper and lower sides of leaves and fruit is required for effective control. Apply when Mites are present in damaging numbers and repeat at 10 to 14 day intervals as needed. If crop is being grown with the aid of stakes or poles, apply 11 to 14.5 lbs. per acre per foot of average plant height (Plants 4 ft. height = 45 to 58.5 lbs. per acre).	

#### AS A SPRAY OR DUST FOR FIELD CROPS

Crop	Disease	Rate per Acre
Alfalfa	Powdery mildew, Rust	24 to 30 lbs.
	USE INSTRUCTIONS: Apply to stubble or when crop is not over 3 to 8 inches high or when disease appears. Repeat at 7 to 14 day intervals or as necessary.	
	Pacific mites, Strawberry (Atlantic), Two-spotted mites	18 to 24 lbs.
	USE INSTRUCTIONS: Apply when Mites first appear and repeat as necessary. PRECAUTION: Sulfur may cause petal burn to open flowers.	
Cereals (Barley, Corn, Oats, Rye, Sorghum, Wheat)	Atlantic mites, Pacific mites, Red spider mites, Two-spotted mites	16 lbs.
	USE INSTRUCTIONS: Apply when Mites first appear and continue as necessary.	
Cotton, Seed alfalfa	Mites	3 to 50 lbs.
	USE INSTRUCTIONS: Apply when Mites first appear to build up on new growth and damage to plants is imminent. Thorough spray coverage must be made to the upper and lower portions of all foliage. Use when first observed and before defoliation has occurred. Repeat as needed. On Seed alfalfa, use when first observed in flower heads and before defoliation of more than the bottom leaves has occurred. Repeat as needed throughout seed set. May cause some flower burn. Use low rate on immature plants.	
Grass seed crops	Timothy mites	36 lbs.

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(Cont.)		
Crop	Disease	Rate per Acre
Hops	Spider mites	2 to 6 lbs.
	USE INSTRUCTIONS: Start applications in the early leaf stage and repeat as needed or at 10 to 14 day intervals.	
Peanuts	Leaf spots, Powdery mildew, Spider mites	3 to 5 lbs.
	USE INSTRUCTIONS: Start in the early leaf stage and repeat applications as necessary or at 10 to 14 day intervals.	
Soybeans	Leaf spots, Powdery mildew	14 lbs.
	USE INSTRUCTIONS: Apply at early leaf stage and repeat every 14 days as necessary.	
Spearmint, Peppermint	Powdery mildew	4 to 6 lbs.
	USE INSTRUCTIONS: 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.	
Sugar beets	Powdery mildew, Spider mites	3 to 50 lbs.
	USE INSTRUCTIONS: Apply at first signs of insects or disease. Repeat applications should be made at 10 to 30 day intervals or as necessary throughout the season. Under most disease conditions, only one or two applications will be needed. Apply at the first signs of disease. Repeat at 7 to 10 day intervals. This product may be applied by ground or air. Use the higher rate when applying by air. The use of this product in hot weather over 90°F may cause foliage burn. See section entitled "How Much Spray or Dust to Use".	
Table beets	Powdery mildew, Red spider mites	3 to 5 lbs.
	USE INSTRUCTIONS: Apply at 10 to 30 day intervals with or without other pesticides as soon as the first symptoms appear.	

## ORNAMENTALS

Crop	Disease	Rate per Acre
Alder, Azalea, Buttonbush, Catalpa, Chrysanthemum, Dahlia, Delphinium, Honeysuckle, Horse chestnut, Hydrangea, Lilac, Linden, Matrimony vine, Phlox, Rhododendron, Rose, Staghorn sumac, Sweetpea, Sycamore, Trumpet vine, Witch hazel, Zinnia	Powdery mildew	2 to 50 lbs.
	USE INSTRUCTIONS: Make full coverage applications on both sides of leaves. Begin before disease appears. Repeat at 7 to 10 day intervals. See section entitled "When to Use". Apply to plant foliage, stems and flowers to leave a barely visible dust residue. Do not over-apply during full sun nor during times when temperatures exceed 90°F.	
Aster, Carnation, Chrysanthemum, Rose, Snapdragon	Rusts spp.	2 to 50 lbs.
	USE INSTRUCTIONS: Make full coverage applications on both sides of leaves. Begin before disease appears. Repeat at 7 to 10 day intervals. See section entitled "When to Use". Apply to plant foliage, stems and flowers to leave a barely visible dust residue. Do not over-apply during full sun nor during times when temperatures exceed 90°F.	

## USE ASA SOIL AMENDMENT FOR pH ADJUSTMENT

After checking with your local Cooperative Agricultural Extension Service, your soil requirements should be obtained from a soil sample analysis. Many soils will respond to an application of Sulfur to decrease the pH (acidity). If soils are known to respond to this

treatment and Sulfur is recommended to amend the acidity, apply 1 to 2 pounds of this product per 100 square feet of soil surface. Do not apply more than 2 pounds per 100 square feet at one time. If more is needed, split the applications by applying the second increment in 6 to 8 weeks. For best results on small garden areas, rake or till the Sulfur into the top 4 to 6 inches of soil.

HOW MUCH TO USE ON SOIL			
pH of soil	Pounds of Sulfur per 100 sq. ft. of soil to change pH to 5.2		
	Sandy soil	Loam soil	Muck or Peat
7.0	2	3	6
6.5	1	2	5
6.0	1	2	4

For (pH) treatment of individual plants 4 to 5 feet in height, use level tablespoonful per plant every 2 months. Do not apply Sulfur during extremely hot (95°F) and humid days.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Must be stored under dry conditions. Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Avoid storage at high temperatures. Do not stack over 2 pallets high. Move bags carefully so as not to tear or puncture. Do not move containers from one area to another unless they are securely sealed. Keep containers tightly sealed when not in use. Do not allow bags to become wet or store in a damp, humid area. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled, follow these steps:

1. Collect and place in suitable containers for disposal.
2. Wash area with soap and water to remove remaining pesticide.
3. Follow washing with clean water rinse.
4. Do not allow runoff to enter sewer or contaminate water supplies.
5. Dispose of waste as indicated below:

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water when disposing of equipment washwaters.

**CONTAINER HANDLING:** 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.

## WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

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