

Reg # 72-19

PM-21

193



ACCEPTED
MAR 06 1995

72-19

DO NOT STORE
BELOW 5° F.

LIME SULFUR SOLUTION

FOR AGRICULTURAL USES ONLY

Fungicide-Insecticide-Miticide

ACTIVE INGREDIENT:	BY WEIGHT
Calcium Polysulfide	29%
INERT INGREDIENTS:	71%
	TOTAL	100%

Test: 32° Baume at 60° F.

EPA REG. NO. 72-19

EPA EST. NO. 769-GA-1

KEEP OUT OF REACH OF CHILDREN

DANGER-PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or poison control center. Promptly drink one or two glasses of water and induce vomiting by touching back of throat with fingers. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

IF IN EYES: Flush eyes with a gentle stream of water for 15 minutes. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate gastric lavage.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Manufactured For

MILLER CHEMICAL & FERTILIZER CORPORATION

Hanover, Pennsylvania 17331

NET CONTENTS: GALLONS LIQUID

5 55

BEST AVAILABLE COPY

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (& DOMESTIC ANIMALS)**

DANGER

Fatal if swallowed, inhaled or absorbed through skin. This product is corrosive to flesh because of its caustic alkaline nature and it causes irreversible eye damage and skin burns. Do not breath dust, vapor or spray mist or get in eyes, on skin or on clothing.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- A. Coveralls over long-sleeved shirt and long pants
- B. Waterproof gloves
- C. Chemical-resistant footwear plus socks
- D. Protective eyewear
- E. Chemical-resistant headgear for overhead exposure
- F. Chemical-resistant apron when cleaning equipment, mixing, or loading
- G. Dust mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

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.

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

PHYSICAL OR CHEMICAL HAZARDS

MAY GIVE OFF HIGHLY TOXIC AND EXTREMELY FLAMMABLE HYDROGEN SULFIDE GAS IF MIXED WITH ACIDS.

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 through any type of irrigation system.

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 intervals. 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 48 hours.

PPE required for early entry to treated areas 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 over long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

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 for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and pets out of the treated area until sprays have dried. Keep animals and unprotected persons out of operational areas during treatment.

UNLESS OTHERWISE STATED, RATES OF LIME SULFUR SOLUTION ARE GIVEN IN GALLONS PER 100 GALLONS OF DILUTED SPRAY SOLUTION.

DILUTION CHART	
GALS./100	AMOUNT/GAL.
0.5	3.8 tsp.
2.0	5.05 tbs.
6.0	7.7 fl. oz.
7.5	9.6 fl. oz.
10.0	13.0 fl. oz.
12.0	15.4 fl. oz.

NOTE: Do not use within 14 days of an oil spray or when temperature is above 75° F. Burning of foliage may occur when used during periods of warm temperature.

ORNAMENTAL CROPS

BEGONIAS (Tuberous), COLUMBINE, CRAPE MYRTLE, DAHLIAS, DELPHINIUMS, EUONYMUS, LILACS, MARIGOLDS, SWEET PEAS, ZINNIAS: Powdery Mildew—1 to 2 qts./100 gals. applied when foliage appears and repeated at 7 to 10 day intervals as needed. **BOXWOOD:** Canker—2 gals. per 100 Gallons of Diluted Spray Solution applied in Spring dormant period when leaves are cleaned up. Repeat at Spring midgrowth, completed growth, and Fall growth. **DECIDUOUS, HEDGE PLANTS, SHADE TREES and SHRUBS:** Anthracnose, Leaf Blotch, Nectria Canker, Powdery Mildew—10 gals. per 100 Gallons of Diluted Spray Solution applied as a full cover dormant spray. **ROSES:** Anthracnose, Black Spot, Brown Canker—6.7 gals. per 100 Gallons of Diluted Spray Solution applied as leaves begin to emerge, or Anthracnose, Black Spot, Powdery Mildew and Rust—12.5 gals. per 100 Gallons of Diluted Spray Solution applied when dormant. Stem Canker—11.0 gals. per 100 Gallons of Diluted Spray Solution applied Fall and Spring at bud swell.

HARD OR ARMORED SCALES ON ORNAMENTALS: Scurfy Scale, San Jose Scale, Euonymus Scale, Pine Needle Scale, Juniper Scale on most Ornamental trees such as, Lilac, Ash, Poplar, Dogwood, Elm, Birch, Willow, Euonymus, Pines, and Junipers: Spray when trees are fully dormant and use at rate of 10 to 12 gals./100 gals.

DIRECTIONS FOR USE ON AGRICULTURAL CROPS REQUIRING FARMWORKER HAND LABOR TASKS
AGRICULTURAL FRUIT AND NUT CROPS

ALMONDS: Powdery Mildew, Shothole—8 gals. per 100 Gallons of Diluted Spray Solution. Apply two week intervals between Nov. 15 and Dec. 15. **APPLES:** Blotch—2 gals. per 100 Gallons of Diluted Spray Solution. Applied pre-bloom, petal fall and 10 days after petal fall. Leafspots—7.5 to 10 gals. per 100 Gallons of Diluted Spray Solution, in delayed dormant or 0.5 gals. per 100 Gallons of Diluted Spray Solution in growing season. Powdery Mildew—0.5 to 3 gals. per 100 Gallons of Diluted Spray Solution in prepink, pink, and calyx stages and throughout season as necessary. Scab—6 to 11 gals. per 100 Gallons of Diluted Spray Solution as dormant or delayed dormant spray or 0.5 to 3 gals. per 100 Gallons of Diluted Spray Solution in prepink, pink, and calyx periods. Note: Delicious Apples may be injured—use 1.5 to 2.0 gals. per 100 Gallons of Diluted Spray Solution in dormant, prepink, and pink stages.

BLUEBERRIES: Phomopsis Cane and Twig Blight: 5 to 6 gals./100 to 150 gals. of diluted spray per acre. Apply delayed dormant stage after leaf buds begin to break. Note to User: Do not use within 14 days of an oil spray or when temperature is above 75° F. Burning of foliage may occur when used during periods of warm temperature. **BLACKBERRIES:** Anthracnose, Powdery Mildew, Rust—6 to 12 gals. per 100 Gallons of Diluted Spray Solution applied in dormant or delayed dormant stages 0.5 gals. per 100 Gallons of Diluted Spray Solution when fruit canes are a foot long and before blossoms open. Cane Blight, Overwintering Fungus Spores—2 to 4 gals per 100 Gallons of Diluted Spray Solution at Spring bud swell repeated in late Fall dormant. **CHERRIES (SWEET):** Coryneum Blight—6 to 11 gals. per 100 Gallons of Diluted Spray Solution dormant or delayed dormant. Powdery Mildew: 7.5 gals. per 100 Gallons of Diluted Spray Solution delayed dormant. **CHERRIES (TART):** Brown Rot Blossom Blight, Leafspot, Scab—1.5 gals. per 100 Gallons of Diluted Spray Solution applied prebloom, early bloom and full bloom. Brown Rot (fruit), Leafspot, Powdery Mildew—0.5 gals. per 100 Gallons of Diluted Spray Solution. Apply 3 to 5 weekly sprays just before harvest. Coryneum Blight—6 to 11 gals. per 100 Gallons of Diluted Spray Solution in dormant or delayed dormant period. **CURRENTS, GOOSEBERRIES:** Anthracnose—2 to 2.5 gals. per 100 Gallons of Diluted Spray Solution applied at bud break stage repeated in 10 to 15 days Use 1.5 to 2.5 qts./100 gals. at 10 day intervals if necessary. Powdery Mildew—1.5 qts./100 gals. applied before and after bloom.

GRAPES: (Dormant) Powdery Mildew, Phomopsis Cane and Leaf Spot, and Angular Leaf Scorch—Dormant application to reduce overwintering inoculum. Apply, in early spring, over the trellis, prior to bud swells. Use at the rate of 12 gallons Lime Sulfur per 100 gallons water. Apply 300 gallons of spray mix per acre (36 gals. Lime Sulfur per acre) Be sure to thoroughly cover all bark surfaces.

NECTARINES: Brown Rot, Leafspot, Shothole—7 gals. per 100 Gallons of Diluted Spray Solution. Apply 3 to 5 sprays at weekly intervals before harvest. Leaf Curl—6 gals. per 100 Gallons of Diluted Spray Solution applied in early winter and late dormant period. Powdery Mildew—2 to 3 qts./100 gals. applied when disease appears. **PEACHES:** Brown Rot (fruit), Leaf Spot—2 qts./100 gals. applied 3 to 5 times at weekly intervals before harvest. For Brown Rot Blossom Blight—3 qts. to 1.5 gals. per 100 Gallons of Diluted Spray Solution applied prebloom, early bloom and full bloom stages. Leaf Curl, Scab, Shothole—4 to 12 gals./100 gals. for leaf curl only, use 8 gals. per 100 gals. in dormant period. Powdery Mildew—7.5 gals. per 100 Gallons of Diluted Spray Solution at dormant stage, 4 to 5 gals. per 100 Gallons of Diluted Spray Solution at green tip stage or 1.5 qts./100 gals. as summer foliage spray. **PEARS:** Powdery Mildew, Scab—6 to 11 gals. per 100 Gallons of Diluted Spray Solution in dormant or delayed dormant period or use 2 qts./100 gals. in prepink, pink and calyx periods. For Powdery Mildew—continue spray throughout growing season. Do not use on d'Anjou Pears after calyx. **PLUMS:** Blotch, Powdery Mildew—0.5 gals. per 100 Gallons of Diluted Spray Solution applied at weekly intervals beginning 3 to 5 weeks before harvest. **PRUNES:** Black Knot—6 gals. per 100 Gallons of Diluted Spray Solution applied at green tip stage. Brown Rot (Fruit Rot), Leafspot, Powdery Mildew—0.5 gals. per 100 Gallons of Diluted Spray Solution applied at weekly intervals beginning 3 to 5 weeks before harvest. **QUINCES:** Scab—1 gal. per 100 Gallons of Diluted Spray Solution applied at 10 day intervals during primary infection period. **RASPBERRIES:** Anthracnose, Powdery Mildew—8 gals. per 100 Gallons of Diluted Spray Solution applied when new canes are 8" to 12" long or for Anthracnose use 12 gals. per 100 Gallons of Diluted Spray Solution applied when buds begin to break. Cane Blight, Overwintering Fungus Spores—1 to 3.5 gals. per 100 Gallons of Diluted Spray Solution applied at Spring bud swell repeated in late Fall dormant period. Spur Blight—10 to 12 gals. per 100 Gallons of Diluted Spray Solution applied in delayed dormant when buds begin to break.

HARD OR ARMORED SCALES ON FRUIT: Scurfy Scale, San Jose Scale, Euonymus Scale, Pine Needle Scale, Juniper Scale on most Ornamental and Fruit trees such as Apple and Peach: Spray when trees are fully dormant and use at rate of 10 to 12 gals. per 100 Gallons of Diluted Spray Solution. **CITRUS:** Red Spiders—2 gals. per 100 Gallons of Diluted Spray Solution applied when spiders appear. Thrips—2 gals. per 100 Gallons of Diluted Spray Solution applied where recommended by State Agricultural Extension Service.

DIRECTIONS FOR USE ON LIVESTOCK

For Control of Sarcoptic Scabies on Beef and Dairy Cattle and Psoroptic Scabies (Mange) on Sheep and Cattle—Mix 7 parts water to one part MILLER LIME SULFUR for use in a high pressure sprayer. Apply directly to skin surface of affected cow to point of run-off for greatest effectiveness. Temperature of the mixture should be approximately 100° F. Treatment should be repeated at 10 to 13 day intervals.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. **STORAGE:** Store product in a secure locked place, inaccessible to children, pets, and livestock. **PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or residue is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your state Pesticide or Environmental Control Agency or the Hazardous Waste representative of the nearest EPA Regional Office for guidance. **CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic containers may be incinerated or, if allowed by state and local authorities, burned. If burned, stay out of smoke.

WARRANTY: The use of this material being beyond our control and involving elements of risk to human beings, animals and vegetation, we do not make any warranty, express or implied, as to the effects of such use, when this product is not used in accordance with the directions as stated on this label.

594M MP

Prod. No 5 Gal #12691
55 Gal #12694

BEST AVAILABLE COPY