

Reg # 72-19

PM-21

File
199



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

FEB 23 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Charles H. Svec
MILLER CHEMICAL AND FERTILIZER CORPORATION
P. O. Box 333
Hanover, PA 17331

Subject: Label Amendment Submission of 12/21/93 in Response to PR Notice 93-7
EPA Reg. No. 72-19
MILLER LIME SULFUR SOLUTION

IMPORTANT NOTICE: This Letter Requires You to Submit a Notification to the Office of Compliance Monitoring within 20 Days.

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments listed on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

SERIOUS ERROR(S) ON SUBMITTED LABELING:

EPA has determined that one or more of the errors on the labeling you submitted to the Agency is categorized as "serious" as defined in PR Notice 93-11. In general, serious errors are those that may create a potential for harm to workers, handlers, other persons, or the environment; or those that prevent the achievement of the basic goals of the Worker Protection Standard (WPS) or FIFRA.

YOU MUST NOT SELL OR DISTRIBUTE (INCLUDING RELEASE FOR SHIPMENT) ANY PRODUCT BEARING THE SUBMITTED LABELING. Sale or distribution of any product with the incorrect labeling is a violation of FIFRA that could result in initiation of an action for civil penalties and/or cancellation of your product. This matter has been referred to the Office of Compliance Monitoring (OCM) for further action.

YOU MUST SUBMIT A NOTIFICATION TO THE OFFICE OF COMPLIANCE MONITORING WITHIN 20 DAYS OF THE DATE OF THIS LETTER.



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Printed with Soy/Canada ink on paper that
contains at least 50% recycled fiber

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Each notification must include the following information:

1. Registrant's name and address.
2. EPA Registration number of the product for which the labeling was submitted.
3. Whether any product already has been sold or distributed (this includes released for shipment) bearing the submitted labeling.

In addition, the notification must include the following information, IF you have already sold or distributed any product bearing the submitted labeling:

1. Quantity of the product that has been sold or distributed.
2. EPA Producing Establishment number.
3. Location of the product, if known.
4. Proposed plan for assuring that product with the incorrect labeling in your control, as well as that in the hands of dealers/distributors/users, will be corrected. The plan must include your proposal for assuring that the labeling is corrected as soon as possible.

Submit the notification to:

Michael Wood, Director
Compliance Division, (7203)
Worker Protection Notification
Office of Compliance Monitoring
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460

Failure to submit a notification also may result in initiation of an action under FIFRA for civil penalties, if you sold or distributed (this includes released for shipment) product bearing the incorrect labeling.

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IN ADDITION, YOU SHOULD CONTACT IMMEDIATELY THE PERSONS TO WHOM YOU SOLD OR DISTRIBUTED YOUR PRODUCT AND INFORM THEM NOT TO SELL OR DISTRIBUTE ANY PRODUCT WITH THE INCORRECT LABELING.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the WPS labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have neither been reviewed nor accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Submit the required notification. Then by the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling as amended

AND

- WITHIN one year from date of this acceptance.

Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

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Hand or courier deliveries of final labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

cc: Office of Compliance Monitoring

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✓

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Charles H. Svec
MILLER CHEMICAL AND FERTILIZER CORPORATION
BOX 333
HANOVER, PA 17331

Comment for: EPA Reg Nr.72-19
MILLER LIME SULFUR SOLUTION

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

Place the heading "Personal Protective Equipment" on your labeling in the location shown in Section A on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

Add the following statement to the Agricultural Use Requirements box on your labeling: "Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas." The exact location is shown in Section F on Part 2 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

The bodywear requirement for early entry in the Agricultural Use Requirements box on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "Coveralls over long-sleeved shirt and long pants." The exact location is shown in Sections F and G on Part 2 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

The eyewear requirement for early entry in the Agricultural Use Requirements Box on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "Protective eyewear". The exact location is shown in Sections F and G on Part 2 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

The footwear requirement for early entry in the Agricultural Use Requirements box on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "Chemical-resistant footwear plus socks." The exact location is shown in Sections F and G on Part 2 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

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ACCEPTED
with COMMENTS
in EPA Letter Dated
FEB 23 1979

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
77-19

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



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted an detalle. (If you do not understand the 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: 5 GALLONS LIQUID

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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 breathe dust, vapor or spray mist or get in eyes, on skin or on clothing.

If farm workers are unable to read, they must be given oral warnings and it must be assured that they understand label precautions and first-aid treatments. Warnings must be given in an appropriate language if workers do not understand English. Oral warnings should be given to inform workers of areas or fields which should not be entered without protective clothing, the amount of time the area or field should be vacated and first-aid actions to take in case of accidental exposure.

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 instruction 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 48 hours.

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**—4.0 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 Sarcopic 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.

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 protect agricultural plants on farms, forest, nurseries, or greenhouses.

Keep unprotected persons, children and pets out of the treated areas until sprays have dried.

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	9.8 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. **BUXWOOD:** 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.

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 rinsate 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.

193M MP

Prod No. - 5 Gal. #12691

55 Gal. # 12694