



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

APR 15 1994

Molly Hickman
CHAS H. LILLY CO.
7737 N.E. KILLINGSWORTH
Portland, OR 97218

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 02/15/94 in Response to PR Notice 93-7
EPA Reg. No. 802-73
LILLY/MILLER POLYSUL SUMMER & DORMANT SPRAY CONCEN

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 reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (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 not been reviewed or 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:

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
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

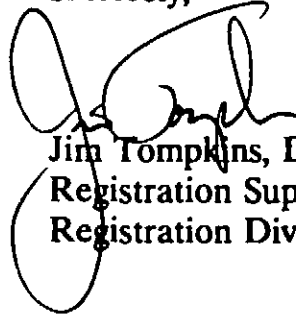
Submit the final printed labeling via the U.S. Postal Service to:

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

Hand or courier deliveries of final printed 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,

A handwritten signature in black ink, appearing to read "Jim Tompkins", written over a circular stamp or mark.

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

Attachment

CHAS H. LILLY CO.

802-73 02/15/94

LILLY/MILLER POLYSUL SUMMER & DORM. SPRAY CONCEN

Original Submission

Correct the typographical errors circled on your proposed label.

2-1-94

ACCEPTED
with COMMENTS
In EPA Letter Dated

APR 15 1994

Liquid Lime 5, 30, 55 gal, 1/17/94

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

802-23



POLYSUL SUMMER & DORMANT SPRAY CONCENTRATE

Lime-Sulfur Fungicide

ACTIVE INGREDIENT:
Calcium Polysulfide 28.7%
INERT INGREDIENTS 71.3%

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 the label, find someone to explain it to you in detail.)
See side panel for additional precautionary statements.

NET CONTENTS _____ GALLONS

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive to eyes. Concentrate causes eye damage and skin irritation. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Avoid breathing spray mist.

Personal Protective Equipment:

Applicators and other handlers must wear: long-sleeved shirt and long pants; waterproof gloves; shoes plus socks; protective eyewear. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

Engineering Controls Statements:

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:

- 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.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Administer water freely and induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Professional medical assistance should be secured immediately. **If On Skin:** Rinse off material and wash skin with soap and water. Get medical attention if irritation persists. **If In Eyes:** Wash with plenty of water for at least 15 minutes. Get medical attention. **If Inhaled:** Remove to fresh air. **If Not Breathing:** Give artificial respiration, preferably mouth-to-mouth. Get medical attention. Never give anything by mouth to an unconscious person.

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. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff is likely to occur.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix with fertilizers, acid cleaning compounds or other acidic household chemicals. 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 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. Do not apply this product through any type of irrigation system. **SHAKE WELL BEFORE USING.**

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 48 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, waterproof gloves, shoes plus socks, protective eyewear.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage. **CISE DISPOSAL:** Wastes resulting from the use of this product should be disposed of on site or at an approved waste disposal site. **TANKER DISPOSAL: GLASS** — Triple rinse (or more). **METAL** — Triple rinse (or equivalent) and store in a closed container for recycling or for disposal. **PLASTIC** — Triple rinse (or equivalent) and store in a closed container for recycling or for disposal. **OTHER CONTAINERS** — Triple rinse (or equivalent) and store in a closed container for recycling or for disposal. **DO NOT REUSE OR RENEW.**

USE PRECAUTIONS: Do not apply this product to the soil. Do not spray straight or diluted onto surface. Worn can be protected with heavy paper. Use an Evergreen susceptible to sulfur injury. Do not spray immediately following an oil spray. Do not spray at the pink stage; severe drop of fruit may occur. In spacing of sprays, consult State Agricultural Experiment Station Specialist. Sulfur may cause fire. Do not use in excessively high application should use.

DILUTIONS — SHAKE WELL BEFORE USING

- A (Dormant)**
1 cup POLYSUL per gallon of water; or
6 gallons POLYSUL per 100 gallons of water.
- B (Dormant Combination Spray)**
1/2 cup POLYSUL plus 1/3 cup LillyMiller Super per gallon of water; or
3 gallons POLYSUL plus 2 gallons LillyMiller Super per 100 gallons of water.
- C (Spring and Summer Spray)**
4 teaspoons POLYSUL per gallon of water; or
2 quarts per 100 gallons of water.

DORMANT SPRAY (After leaves fall, buds dormant)

Crops and Pests	Time of Application
1. ROSES, FRUITS, SHRUBS (Deciduous) Powdery Mildew, Scale	EARLY SPRING: Just before buds break. Spray thoroughly to soil and surrounding soil, and do not use on apricots.
2. Same as No. 1, plus Apples' Eggs, Mites, Scale	Same as No. 1
3. PEACHES Leaf Curl	1st Spray — Late fall before buds break. 2nd Spray — Early June. 3rd Spray — Early Spring buds break. This spray is optional.
4. BERRIES (Cane) Anthracnose, Rust	EARLY SPRING: Just before buds break. Note: Spray again in fall if late color.
5. BERRIES (Cane) Blackberry Mite	FALL: After old canes are cut. Spray again in Spring — Spring and Summer Cane.

SPRING AND SUMMER SPRAY CHART (Foliage on)

6. ROSES, FLOWERS, ORNAMENTALS Powdery Mildew, Rust, Mites	GROWING SEASON: When appears, spray thoroughly every 7-10 days. When weather is hot, spray at 10-day intervals. Note: On tender new use 1/2 of dilution C.
7. PEACHES, CERRIES (Ornamental) Brown Rot	GROWING SEASON: When show color, spray every 7-10 days under control. Spray during most warm weather.

BEST AVAILABLE COPY

ACCEPTED
with COMMENTS
In EPA Letter Dated

APR 15 1994

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

002-73

**PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS**

DANGER: Corrosive to eyes. Concentrate causes eye damage and skin irritation. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Avoid breathing spray mist.

Personal Protective Equipment:

Applicators and other handlers must wear: long-sleeved shirt and long pants; waterproof gloves; shoes plus socks; protective eyewear. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

Engineering Controls Statements:

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(j)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Administer water freely and induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Professional medical assistance should be secured immediately. **If On Skin:** Rinse off material and wash skin with soap and water. Get medical attention if irritation persists. **If In Eyes:** Wash with plenty of water for at least 15 minutes. Get medical attention. **If Inhaled:** Remove to fresh air. If Not Breathing: Give artificial respiration, preferably mouth-to-mouth. Get medical attention. Never give anything by mouth to an unconscious person.

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. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff is likely to occur.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix with fertilizers, acid cleaning compounds or other acidic household chemicals. 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 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. Do not apply this product through any type of irrigation system. **SHAKE WELL BEFORE USING.**

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 48 hours. PPE required for 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; waterproof gloves; shoes plus socks; protective eyewear.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **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: GLASS** — Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved State and local procedures. **METAL** — 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.

USE PRECAUTIONS: Do not apply this product through any type of irrigation system. Do not spray straight or diluted material against any painted surface. Walls can be protected with heavy paper or a tarpaulin. Do not use on Evergreens susceptible to sulfur injury. Do not use on apples or pears immediately following an oil spray. Do not spray Delicious apples in the pink stage; severe drop of fruit may occur later. For exact timing and spacing of sprays, consult State Agricultural Experiment Station or State Extension Service Specialist. Sulfur may cause injury if applied when temperature is excessively high; application should not be made at such time.

DILUTIONS — SHAKE WELL BEFORE USING

A (Dormant)

- 1 cup POLYSUL per gallon of water; or
- 6 gallons POLYSUL per 100 gallons of water.

B (Dormant Combination Spray)

- 1/2 cup POLYSUL plus 1/3 cup Lily/Miller Superior Type Spray Oil per gallon of water; or
- 3 gallons POLYSUL plus 2 gallons Lily/Miller Superior Type Spray Oil per 100 gallons of water.

C (Spring and Summer Spray)

- 4 teaspoons POLYSUL per gallon of water; or
- 2 quarts per 100 gallons of water.

DORMANT SPRAY (After leaves fall, buds dormant)

Crops and Pests	Time of Application	Dilution to Use
1. ROSES, FRUITS, SHRUBS (Deciduous) Powdery Mildew, Scab	EARLY SPRING: Just before buds break. Spray thoroughly to wet bushes, trees and surrounding soil, weeds and wash. Do not use on apricots.	A
2. Same as No. 1, plus Aphids' Eggs, Mites, Scale	Same as No. 1	B
3. PEACHES Leaf Curl	1st Spray — Late fall before winter storms. 2nd Spray — Early January; trees fully dormant. 3rd Spray — Early Spring, just before buds break. This spray is most essential.	A
4. BERRIES (Cane) Anthracnose, Rust	EARLY SPRING: Just before buds break. Note: Spray again in fall as leaves turn color.	A
5. BERRIES (Cane) Blackberry Mite	FALL: After old canes removed. Spray again in Spring — See Spring and Summer Chart.	A

SPRING AND SUMMER SPRAY CHART (Foliage and Flower Sprays)

6. ROSES, FLOWERS, ORNAMENTALS Powdery Mildew, Rust, Mites	GROWING SEASON: When foliage appears, spray thoroughly every 4 days. When weather is warm and dry, spray at 10-day intervals. Repeat after rains. Note: On tender new growth — use 1/2 of dilution C.	C
7. PEACHES, CHERRIES (Ornamental) Brown Rot	GROWING SEASON: When blossoms show color, spray every 7 to 10 days until under control. Spray more often during moist warm weather.	C

'17/94

ILLER®

**IMMER &
SPRAY
RATE**

-ungicide

28.7%
71.3%

**h of children
ELIGRO**

usque a alguien para que
(If you do not understand
claim it to you in detail.)
cautionary statements.

GALLONS

BEST AVAILABLE COPY

disposal PESTI- product may be at facility. CON- (ivalent). Then State and local in offer for recy- in a sanitary cal authorities.

any type of iriga- gainst any painted tarpaulin. Do not use on apples or delicious apples in exact timing and it Station or State applied when tem- ade at such time.

pe Spray Oil per
Type Spray Oil

	Dilution to Use
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	B
near storms. as lully	A
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water Sprays)	
je d dry, after th	C
units days then	C

Crops and Pests	Time of Application	Dilution to Use
8. APPLES, PEARS Scab, Powdery Mildew	SPRING: Apply when leaves are separating just exposing bud cluster Repeat at 7-day intervals for 3 or more sprays. When in blossom, wait until 3/4 of petals have fallen before spraying	C
9. BERRIES (Cane) Blackberry Mite, Anthracnose, Yellow Rust	SPRING: 1st Spray — After vines are trained and new buds are in the green stage. 2nd Spray — When fruiting arms are about 1 ft. long, before blossoms have opened.	A C

SOIL CORRECTIVE — Lawns and Planting Beds
To correct clay lawn soils and heavy alkaline soils, or to condition soils for acid loving plants — use 1 pint Lilly/Miller POLYSUL in 10 or more gallons of water for 500 sq. ft. Water lawn or soil after applying. Makes soil more permeable for plant roots and moisture, and increased root feeding area.

ROSES — Combination Spray for Rust, Black Spot, and Powdery Mildew
Use 1 tablespoon Lilly/Miller POLYSUL plus 10 tablespoons (1/2 cup plus 2 tablespoons) Lilly/Miller Captan per gallon of water. When foliage appears spray thoroughly every 4 days. When weather is warm and dry, spray at 10-day intervals. Repeat after rains. NOTE: Dilute Captan in most of water and dilute POLYSUL in balance, then mix together.

LIMIT OF WARRANTY AND LIABILITY

The Chas. H. LILLY Co. (LILLY) warrants that this product conforms to the chemical or other description on the label (and/or instructions) and is reasonably fit for the purposes set forth on the label (and/or instructions) when used strictly in accordance with the label (and/or instructions) under the conditions described there. NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the following conditions:

- Buyer and all users shall promptly notify LILLY of any claims whether based in contract, negligence, strict liability, other tort, or otherwise.
 - THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE LIMIT OF LIABILITY OF LILLY FOR ANY LOSS, INJURY OR DAMAGE RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (including claims based upon contract, negligence, strict liability, other tort, or otherwise) SHALL BE:
 1. The purchase price paid for the product, or at the election of LILLY
 2. The replacement of such quantity of the product as is involved. IN NO EVENT SHALL LILLY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.
 - LILLY agents have no authority to give warranties or make representations on its behalf, concerning the use, quality or performance of this product, or in any other respect.
 - The use, handling, storage and other influencing factors are beyond the control of LILLY. Buyer assumes all risk of loss, injury, or damage due to use, handling, storage and other influencing factors, including but not limited to, incompatibility with other products, and weather conditions.
- NOTICE: 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. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

THE CHAS. H. LILLY CO.
PORTLAND, OREGON 97218
EPA Reg. No. 802-73
EPA Est. 802-OR-1
C71006-3



BEST AVAILABLE COPY

C71006-2
C71006-4