



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

APR 1 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

LINDA C. WATSON
STOLLER ENTERPRISES INC.
BOX 770084
HOUSTON, TX 77215

Subject: Label Amendment Submission of 9/15/93 Response to PR Notice 93-7
EPA Reg. No. 57538-5
THAT FLOWABLE SULFUR

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

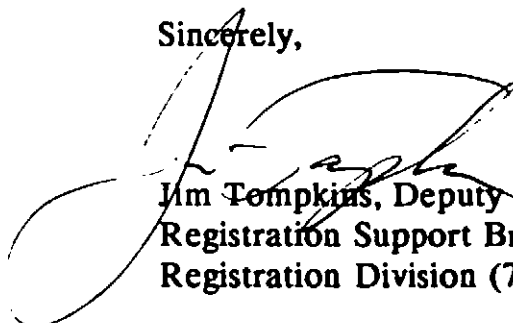
Submit the final printed labeling via the U.S. Postal Service to:

**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,



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

Attachment

3 9 5
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Linda C Watson
STOLLER ENTERPRISES INC
BOX 770084
HOUSTON TX 77215

Comment for: EPA Reg Nr.57538-5
THAT FLOWABLE SULFUR

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.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin and eyes. In case of skin contact, remove with washing; for eyes, wash with copious amounts of water and get immediate medical attention.

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear.

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 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 rinsate or equipment washwater.

PHYSICAL OR CHEMICAL HAZARDS

Keep away from heat, sparks or flames. Do not smoke while applying this product.

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

NOTE TO USER

Some fruits and other plants are susceptible to injury from sulfur under certain climatic conditions. The user is advised not to use sulfur on any crop unless a local use has proved that sulfur is safe in that locality. When crops are intended for processing, consult with processor before applying sulfur. During periods of high temperature sulfur may burn foliage and fruit. Do not make sulfur applications at excessive high temperatures. Do not use a sulfur with oil or within 4 weeks of an oil application unless in a dormant, delayed dormant or postharvest application. When sulfur is used with arsenicals, lime should be added to prevent plant injury.

ACCEPTED
with COMMENTS
in EPA Letter Dated

APR 1 1994

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

57538-5

FLOWAB

ACTIVE INGREDIENT:

Sulfur 52%

INERT INGREDIENT(S)..... 48%

TOTAL 100%

Contains 6 pounds of sulfur per gallon

NET CONTENTS: 5 Gallons

NET WEIGHT OF CONTENTS: 57.5 Pounds

KEEP O

STATEMENT

IF SWALLOWED: If
anything by mouth to
IF IN EYES: Wash
medical attention.
IF ON SKIN: Wash in
See left panel for add

EPA Reg. No. 57538-5

EPA Establishment No. 49868-TX-1, 57538-CA-1, 57538-FL-6
Superscript corresponds to first letters on panel

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from the use or handling of this product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which such damages are claimed.

DIRECTIONS FOR MIXING BEFORE USING, STIR UNTIL SMOOTH

Four recommended amount in partially filled spray tank. Keep agitator running during filling and spraying operation. DO NOT ALLOW MIXTURE TO STAND. Failure to maintain agitation will cause THAT Flowable Sulfur to settle and may necessitate manual stirring to redispense. When used with dormant oil, add oil when tank is 1/2 full and maintain agitation until spraying is completed.

The strong adhesive properties of THAT Flowable Sulfur act as a sticker on the plant, and this sticking characteristic necessitates the flushing of equipment with water after each day's use. Sulfur in any form is corrosive to metal. TO REDUCE THE EFFECT, EQUIPMENT SHOULD BE FLUSHED DAILY. THAT Flowable Sulfur is adaptable to spraying from all types of spray equipment. For dilute, high volume sprays apply 25 to 100 gallons per acre (GPA) for most vegetable crops, 400 to 800 GPA for fruit orchards and up to 1500 GPA as may be required for large citrus groves. For concentrate ground sprays, use 5 to 20 GPA for most vegetable crops and 25 to 100 GPA for fruit and nut crops. For aerial spraying, 3 to 15 GPA are commonly used.

TREE FRUITS: Unless otherwise specified for specific crops, dosage rates are given as pints of THAT Flowable Sulfur per 100 gallons of water for use in a thorough coverage dilute spray. The total amount of THAT Flowable Sulfur per acre should be 5-10 quarts per acre, depending on tree size, density, disease and species. Because of variations in the types of spray equipment, a range of low and high rates is listed.

CHEMIGATION PROHIBITION

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

APPLE AND PEAR:

Scale	
Pre-bloom through calyx sprays	1 1/2 to 3 1/2 pints/100
Cover sprays	1 to 2 pints/100
Powdery Mildew	
Pre-bloom through calyx sprays	2 1/2 to 3 pints/100
Cover sprays	2 pints/100
Rust Mite	
Dormant, delayed dormant or post harvest	2 to 3 1/2 pints/100 (plus 1 to 1 1/2 gallons superior type dormant oil)

PEACH AND NECTARINE:

Powdery Mildew, Brown Rot & Leafspot	
Pink & bloom sprays	1 1/2 to 3 1/2 pints/100
Petal fall, shuck & cover sprays	2 1/2 to 3 1/2 pints/100
Scale	
Shuck-split through preharvest	3 1/2 pints/100
Do not apply during periods of excessively high temperatures.	

CHERRY, PLUMS & PRUNES:

Brown Rot, Leafspot	
Pink & bloom sprays	1 1/2 to 1 1/2 pints/100
Petal fall, shuck & cover sprays	2 1/2 to 1 1/2 pints/100

CITRUS (GRAPEFRUIT, LEMONS, LIMES, ORANGES, TANGELOS & TANGENNES):

Rust Mite & Cover Mite	1 to 4 pints/100
Thrips	
Spring tank at 3 to 4 inches growth. Repeat if needed	2 1/2 to 3 1/2 pints/100

Do not apply THAT Flowable Sulfur within 4 weeks of an oil application.

FIELD AND VINE CROPS: Unless otherwise specified for specific crops, dosage rates are given as pints of THAT Flowable Sulfur per acre. Spray applications should be made by ground equipment or aircraft in sufficient water to provide thorough coverage.

BEANS (dry, colored, green snap, lima)

Leaf Spot, Powdery Mildew, Rust. Apply 4 to 8 pints per acre at early leaf stage and repeat every 14 days as necessary.

CORN & SORGHUM:

Banks Grass Mite (except California). Apply 6 quarts per acre in sufficient water to insure thorough coverage when mites appear on bottom 2 leaves. Repeat applications if mite population persists. Can be used in tank mix combinations with other miticides.

COTTON:

Atlantic Mite. Apply 1 quart per acre for early season control and up to 4 quarts for mid to late season control.

PEAR/ITS:

Rust. Apply 2 to 4 pints per acre in sufficient water for thorough coverage. Begin application approximately 6 weeks after planting. Repeat at 7 to 10 day intervals as long as rust control is required.

POTATOES:

Powdery Mildew: Use 3 to 4 pints in 8 gallons water per acre by air. Apply at the first sign of infection and repeat at 2 week intervals.

SPEARMINT & PEPPERMINT:

Powdery Mildew: Apply 3 1/2 to 6 1/2 pints per acre when first sign of infection appears or when plants have 4 to 5 leaves followed by additional sprays at 2 week intervals, until pink bud stage or 4 weeks before harvest. After harvest, apply when infection appears or when plants have 4 to 5 leaves and repeat at 2 week intervals, as often as necessary to cover new growth or until growth ceases in the field. Before applying on a crop to be harvested for oil, authorization should be obtained from the buyer of the oil.

STRAWBERRIES:

Powdery Mildew: Use 1 pint per acre. Apply at first sign of infection and repeat at 2 week intervals. For strawberries that will be canned, discontinue application of sulfur well before harvest, in accordance with local canners' recommendations.

SUGAR BEETS:

Powdery Mildew: Use 1 to 2 gallons in sufficient water to insure thorough coverage. Apply at first sign of infection. Repeat applications should be made at 10 to 30 day intervals as necessary throughout the season.

TOMATOES:

Tomato Pinet Saw Mite: Use 1/2 to 1 gallon per acre depending upon size of plants. Use full coverage sprays.

VINES (GRAPES):

Powdery Mildew: Use 1 to 2 pints per 100 gallons water, maximum 5 pints THAT Flowable Sulfur per acre in spring and summer. Make first application when shoots are 6 to 8 inches long, second when shoots are 12 to 15 inches long, and third about bloom stage. The timing, rate and number of applications will vary with local conditions. Consult State Agricultural Experiment Station in your region for specific information. Follow the USE PRECAUTIONS given on this label.

WHEAT, BARLEY, OATS & RYE:

Powdery Mildew: Apply 3 to 5 pints per acre when symptoms of disease appear (except California). Repeat at 2 week intervals if disease conditions persist.

NUTRIENT USE: Foliar pesticide applications will provide sulfur for the nutrient requirements and should be considered in the total plant nutrient applications. THAT Flowable Sulfur can also be applied to the soil to provide sulfur for the plants' requirements. Rates to be used should be determined by the recommendations of the Agricultural Extension Services for the area and/or soil and/or tissue tests.

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