

PM 21

65950-1

Page File 1899



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

MAR 4 1994

Linda C. Watson
Agent for: FERTILIZER CORPORATION OF AMERICA
3703 Sedgefield Drive
Valdosta, GA 31602

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 09/15/93 in Response to PR Notice 93-7
EPA Reg. No. 65950-1
FLOWABLE SULFUR 52% FUNGICIDE/MITICIDE

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. 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:

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

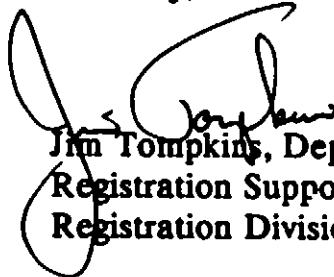
Submit the final printed labeling via the U.S. Postal Service to:

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

FLOWABLE SULFUR 52%
Fungicide/Miticide

ACTIVE INGREDIENT:	
Sulfur.....	52%
INERT INGREDIENT(S):.....	48%
TOTAL:.....	100%

Contains 6 pounds of sulfur per gallon

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Induce vomiting by sticking finger down throat. Never give anything by mouth to an unconscious person. Get medical attention.

IF IN EYES: Wash eyes with plenty of clear water for at least 15 minutes. Get medical attention.

IF ON SKIN: Wash immediately with soap and water.

See left side panel for additional precautionary statements.

EPA Reg. No. 65950-

EPT Est. No.

Manufactured By

FERTILIZER CORPORATION OF AMERICA
9370 Sunset Drive, #A-240
Miami, FL 33173

NET CONTENTS: 5 Gallons

NET WEIGHT OF CONTENTS: 57.5 Pounds

ACCEPTED
with COMMENTS
In EPA Letter Dated

MAR 1 1987
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
65950-1

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & 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.

PERSONAL PROTECTIVE EQUIPMENT

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:

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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 flame. 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 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 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.

STORAGE AND DISPOSAL

5 7 9

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

STORAGE:

Protect from freezing: This product freezes at 32°F.

Stacking instructions: When storing pails, stack three high on the pallet. Do not stack pallets.

If container is leaking or damaged, transfer contents and label to suitable container - avoid prolonged storage or exposure to mild steel. Absorb spills with dry absorbant and dispose of as directed below.

DISPOSAL:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste facility. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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 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 excessively high temperatures. Do not use 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.

DIRECTIONS FOR MIXING
BEFORE USING, STIR UNTIL SMOOTH

Pour 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 Flowable Sulfur 52% to settle and may necessitate manual stirring to redisperse. When used with dormant oil, add oil when tank is $\frac{1}{2}$ full and maintain agitation until spraying is completed.

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The strong adhesive properties of Flowable Sulfur 52% act as a sticker on the plant, and the sticking characteristic necessitates the flushing of equipment with water after each day's use. Sulfur in any form is corrosive material. TO REDUCE THE EFFECT, EQUIPMENT SHOULD BE FLUSHED DAILY. Flowable Sulfur 52% 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 Flowable Sulfur 52% per 100 gallons of water for use in a thorough coverage dilute spray. The total amount of Flowable Sulfur 52% 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

Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

DO NOT STOP AGITATION WITH SULFUR IN SUPPLY TANK. SULFUR IS HIGHLY CORROSIVE AND EQUIPMENT SHOULD BE CLEANED THOROUGHLY.

For center pivots, apply during one full revolution of the system.

For portable or solid set systems, apply during the final 15 minutes of the irrigation system. DO NOT OPERATE IRRIGATION SYSTEM AFTER APPLICATION UNTIL DEPOSIT HAS THOROUGHLY DRIED.

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 serviced connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. For non-public water sprinkler chemigation systems, the system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

APPLE AND PEAR:

Scab

Pre-bloom through calyx sprays.....1½ to 3½ pints/100
Cover sprays.....1 to 2 pints/100

Powdery Mildew

Pre-bloom through calyx sprays.....2½ to 3 pints/100
Cover sprays.....2 pints/100

Rust Mite

Dormant, delayed dormant or postharvest.....2 to 3 3/4 pints/100
(plus 1 to 1½ gallons superior type dormant oil)

PEACH AND NECTARINE:

Powdery Mildew, Brown Rot Blossom Blight & Leafspot

Pink & bloom sprays.....1½ to 3½ pints/100
Petal fall, shuck & cover sprays.....2/3 to 3 3/4 pints/100

Scab

Shuck-split through preharvest..... 3 3/4 pints/100
DO NOT APPLY DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURES

CHERRY, PLUMS & PRUNES:

Brown Rot Blossom Blight, Leafspot

Pink & bloom sprays.....1½ to 1 3/4 pints/100
Petal fall, shuck & cover sprays.....2/3 to 1 3/4 pints/100

CITRUS (GRAPEFRUIT, LEMONS, LIMES, ORANGES, TANGELOS AND TANGERINES):

Rust Mite & Clover Mite.....1 to 4 pints/100
Thrips

Spring flush at 3 to 4 inches growth. Repeat
if needed.....2½ to 3 3/4 pints/100

DO NOT APPLY FLOWABLE SULFUR 52% WITHIN 4 WEEKS OF AN OIL APPLICATION.

FIELD AND VINE CROPS: Unless otherwise specified for specific crops, dosage rates are given as pints of Flowable Sulfur 52% per acre. Spray applications should be made by ground equipment, aircraft or sprinkler irrigation systems in sufficient water to provide thorough coverage.

CORN & SORGHUM:

Banks Grass Mite (except California). Apply 5 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

PEANUTS:

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 to 3 or 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 3/4 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 Russet 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 Flowable Sulfur 52% 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 first appear (except California). Repeat at 2 week intervals if disease conditions persists.

NUTRIENT USE: Foliage pesticide applications will provide sulfur for the plants' nutrient requirements and should be considered in the total plant nutrient applications. Flowable Sulfur 52% 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.

NOTICE - Read Carefully.

CONDITIONS OF SALE: Fertilizer Corporation of America (and Seller) offer(s) this product for sale subject to (and buyer and all users are deemed to have accepted) the following conditions of sale and warranty which may only be varied by written agreement of a duly authorized representative of Fertilizer Corporation of America.

WARRANTY LIMITATION: Fertilizer Corporation of America warrants this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to below. Fertilizer Corporation of America makes no other express warranties. There is not implied warranty of merchantability and there are no warranties which extend beyond the description on the label hereof.

INHERENT RISKS: The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with use. Buyer assumes all risks associated with use or application of this product contrary to label instructions or resulting from extraordinary weather conditions.

LIMITATION OF LIABILITY: In no case shall Fertilizer Corporation of America be liable for special indirect or consequential damages resulting 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.

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