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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 5905-422	DATE OF ISSUANCE MAY 14 1986
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT Helena 90% Sulfur Dust	

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
 (Under the Federal Insecticide, Fungicide,  
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Helena Chemical Company  
 5100 Poplar  
 Suite 3200  
 Memphis, TN 38137

656 169 864  
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NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Registration Standard Guidance Package, EPA has reregistered the product listed above. This registration is granted under the authority of section 3(g) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted.

- Add the following to the human hazard statement:  
 "Wash thoroughly with soap and water after handling.  
 Remove contaminated clothing and wash before reuse."
- Add the following physical hazard statement:  
 "Keep away from heat, sparks, or flame. Do not  
 smoke while applying this product."

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL: *Henry M. Jacoby* DATE: 5/14/86

3. Change the Pesticide Disposal statement to read:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

4. Add the appropriate language from PR Notice 83-2, Farmworker Safety.
5. The Child Hazard Warning and Storage & Disposal heading must be in 12-point type.
6. The signal word must be in 18-point type.



Henry M. Jacoby  
Product Manager (21)  
Fungicide-Herbicide Branch  
Registration Division (TS-767C)



HELENA CHEMICAL COMPANY

CORPORATE OFFICE

Suite 3200 - Clark Tower  
5100 Poplar Avenue  
Memphis, Tennessee 38137  
Telephone 901/761-0050  
Telex 8105911595

HELENA

90% SULFUR DUST

KEEP OUT OF REACH OF CHILDREN  
CAUTION  
SEE OTHER CAUTION STATEMENTS ON SIDE PANEL

ACTIVE INGREDIENT:

Sulfur .....	90%
INERT INGREDIENTS.....	10%
TOTAL.....	100%

EPA REG. NO. 5905-422

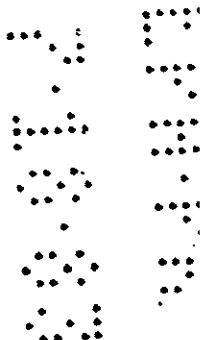
NET CONTENTS

EPA EST. NO.

Manufactured by  
Helena Chemical Company  
Memphis, TN 38137

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
REREGISTERED  
MAY 14 1986

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
5905-422



PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing vapors, dust or spray mist. Avoid contact with skin, eyes, or clothing.

If Swallowed: Give one or two glasses of water and induce vomiting by touching finger to back of throat.

If on Skin: Wash thoroughly with soap and water.

If in Eyes: Wash eyes with plenty of clear water for 15 minutes. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

Do not apply directly water. Do not contaminate water by cleaning of equipment, or disposal of wastes.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

RE-ENTRY STATEMENT

Workers are not to enter treated areas for any activity requiring substantial contact with treated foliage for 24 hours after application.

STORAGE AND DISPOSAL

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

Pesticide Disposal: Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.

Container Disposal: Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of bags in a sanitary landfill or by incineration if allowed by State and local authorities.

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## PRODUCT INFORMATION

To be used as a dust without dilution in conventional ground or air equipment. The best hours for dusting are usually between 5:00 p.m. and 9:00 a.m. and when the wind velocity is less than 5 miles per hour. For disease control begin applications before diseases occur or appear and repeat at 7 to 10 day intervals as needed. To assure good control of mites, dust lower leaf surfaces.

Some fruits and other plants are susceptible to injury from sulphur under certain climatic conditions. The user is advised not to use sulphur on any crop unless local use has proved that sulphur does not damage crops in that locality. Sulphur may burn foliage when the temperature is high (90° or above). Do not use sulphur on Eastern American type grapes, spinach, apricots, or other sulphur susceptible plants. Do not make applications within two weeks before or after an oil spray. On citrus do not apply within 60 days prior to or after an oil spray. For light to moderate infestations use lower amount recommended. For moderate to heavy infestations use higher of recommended amounts.

When growing crops for processing, consult the processor before applying sulphur.

### RECOMMENDATIONS

ALFALFA (Seed): Spider Mites - 20 - 25 lbs per acre. Dust when infestation threatens. Do not apply during bloom period in desert areas.

ALMONDS, CURRANTS, FIGS, HOPS, PLUMS, PRUNES, WALNUTS: Almond Mite, European Red Mite, Common Red Spiders and Pacific Mites - 50 lbs per acre. Dust when spiders begin to multiply in large numbers. Since the effectiveness of sulfur for these Red Spiders varies in different localities, State Agricultural Experiment Stations should be consulted as to the effectiveness before application.

ASPARAGUS: Rust - 15 to 20 lbs per acre. Dust after cutting stops. Irrigate, cultivate, then apply the sulfur. Repeat if disease is severe.

BEANS, PEAS: Common Red Spiders and Pacific Mite - 15 to 20 lbs per acre. Dust when spiders begin to multiply in large numbers. Since the effectiveness of sulfur for these Red Spiders varies in different localities, State Agricultural Experiment Stations should be consulted as to the effectiveness before application.

BEANS, CURRANTS, DAHILAS, PEAS, PEACHES, ROSES, STRAWBERRIES: Powdery Mildew - 15 to 20 lbs per acre on beans, dahilas, peas and strawberries, 30 to 40 lbs per acre on roses, 50 lbs per acre on currants and peaches. Dust when disease appears and retreat as necessary. Check for plant safety before treating commercially.

CHERRIES: Leaf Spot and/or Brown Spot - 40 to 45 lbs per acre. Make first application at Pink Bud Stage, repeat at petal fall and shuck fall stages. Repeat as necessary through growing season.

CITRUS: Citrus Red Spider, Two-Spotted Mite, Thrips - 80 to 100 lbs per acre. Dust when infestation threatens.

COTTON: Atlantic Mite, Pacific Mite, Two-Spotted Mite - 25 to 35 lbs per acre. Dust when infestation threatens.

GRAPES: Powdery Mildew - 7 to 15 lbs per acre. Dust first when shoots are 6 inches long. Follow a dusting program of application each 7 to 10 days.

MELONS: Powdery Mildew - 10 to 20 lbs per acre. May be controlled by dusting, but the sulfur often injures the vines, particularly if the temperature reaches 95°F. Treat when disease first appears and re-treat as necessary. Do not use on sulfur sensitive varieties.

PEACHES, PLUMS, PRUNES: Brown Rot - 50 lbs per acre. Put on a preventive dusting when the fruit starts to ripen. This often reduces the severity of the disease. Rust - apply 50 lbs per acre during summer when disease appears. Repeat after 2 weeks if necessary.

SUGAR BEETS: Spider Mites - 30 to 40 lbs per acre. Apply when infestation threatens.

TOMATOES: Russet Mit. Two-Spotted Spider Mite - 20 to 50 lbs per acre. Because of sulfur, first obtain permission from your canner or processor before using it on tomatoes intended for sale to such canner or processor.

NOTICE OF WARRANTY

WARRANTY AND LIMITATIONS OF DAMAGES. Helena Chemical Company warrant that this material conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the Directions for Use and Conditions of Sale, subject to the inherent risks referred to therein. Helena Chemical Company makes no other expressed or implied warranty, including any other expressed or implied warranty of FITNESS or of MERCHANTABILITY, and no agent of Helena Chemical Company is authroized to do so except in writing with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages, such as loss of profits or value, etc.