



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

DEC 6 2005

Mandy K. Styles  
Product Registration Supervisor  
Helena Chemical Company  
225 Schilling Blvd, Suite 300  
Collierville, TN 38017

Subject: Helena Wettable Sulphur  
EPA Reg. No. 5905-289  
Your amendment dated September 29, 2005

Dear Ms Styles:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

1. Move the warning 'KEEP OUT OF REACH OF CHILDREN' and the signal word "CAUTION" to above the First Aid box.
2. Move the Chemigation Prohibition to below the AGRICULTURAL USE REQUIREMENTS box.

One copy of the label stamped "Accepted with comments" is enclosed for your records. This label supercedes all labels previously accepted for this product. Please submit one copy of the final printed label that incorporates the required changes before the product is released for shipment.

If you have any questions, please contact Robert Westin by phone at (703) 305-5721 or via email at westin.robert@epa.gov.

Sincerely,

Mary L. Waller  
Product Manager (21)  
Fungicide Branch  
Registration Division (7505C)

Enclosure

**SPECIMEN LABEL**

# WETTABLE SULPHUR

For Use in Water As An Agricultural Fungicide

<b>ACTIVE INGREDIENT:</b>	<b>BY WT.</b>
Sulphur .....	90%
<b>INERT INGREDIENTS:</b> .....	10%
<b>TOTAL:</b> .....	100%

Shoes plus socks

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.

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.

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

**FIRST AID**

**IF IN EYES:**

- Hold eyelid open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor immediately for treatment advice.

**IF SWALLOWED:**

- Call a poison control center or doctor immediately for treatment advice.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Have person sip a glass of water if able to swallow.
- Do not give anything to an unconscious or convulsing person.

**IF ON SKIN OR CLOTHING:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor immediately for treatment advice.

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

EPA REG. NO.: 5905-289

NET CONTENTS:

EPA EST. NO. 51036-GA-1

SN 1101H/1202

**MANUFACTURED FOR**  
**HELENA CHEMICAL COMPANY**  
225 SCHILLING BOULEVARD, SUITE 300  
COLLIERVILLE, TENNESSEE 38017

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

## CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap after handling.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear:

Long-sleeved shirt and long pants

Chemical resistant gloves made of a waterproof material

(such as Nitrile, Neoprene, and/or Barrier Laminate)

Disclaimer: Always refer to the label on the product before using Helena or any other product.

**USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, and chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on 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 wash water.

**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.

**CHEMIGATION PROHIBITION**

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

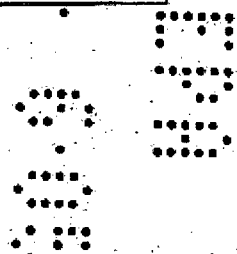
**AGRICULTURAL USE REQUIREMENTS**

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
- Chemical resistant gloves made of a waterproof material (such as Nitrile, Neoprene, and/or Barrier Laminate)
- Shoes plus socks



**SPECIMEN LABEL:**

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in original container only. In case of leak or spill, contain material and dispose as waste.

**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:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

**PRODUCT INFORMATION**

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 make sulphur applications 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.

For light to moderate infestations use lower amount recommended. For moderate to heavy infestations use higher of recommended amounts. Use enough water to insure adequate coverage.

**WHEN GROWING CROPS FOR PROCESSING, CONSULT PROCESSOR BEFORE APPLYING SULPHUR. DO NOT USE WITHIN FOUR (4) WEEKS OF AN OIL SPRAYING.**

**APPLICATION RATES**

Pour needed amount into tank under agitation. If necessary, add a few drops of oil to avoid foaming.

**DIRECTIONS FOR DILUTION:**

**DILUTE APPLICATION:** Ground application - Apply specified rate in 20 to 100 gallons of water per acre. Orchard Application - Apply specified rate in 100 to 1500 gallons of water per acre.

**CONCENTRATE APPLICATION:** Ground Application - Apply specified rate in not less than 5 gallons of water per acre. Orchard Application - Apply specified rate in 20 to 100 gallons of water per acre. Special concentrate equipment is necessary for these areas.

**AIR APPLICATION:** Apply specified rate in 5 to 20 gallons of water per acre. Orchard rates should not be applied in less than 10 gallons of water per acre. **FOR BEST RESULTS** use sufficient water per acre to give thorough coverage of all plant parts.

**ALMONDS, CHERRIES, PLUMS, PRUNES:**

**Brown Rot, Leaf Spot, Powdery Mildew, Silver Mite, and Red Spider Mite** - Apply 10 to 30 lbs. per acre. Apply at bloom or early petal fall and repeat at 10-14 day intervals as necessary or after period of wet weather.

**APPLES, PEARS (Except D'Anjou):**

**Powdery Mildew, Scab, and Red Spider Mite** - Apply 10 - 30 lbs. per acre at pre bloom and petal fall and apply with cover sprays throughout the season.

**PEACHES, NECTARINE:**

**Brown Rot Blossom Blight, Powdery Mildew, Silver Mite, and Red Spider Mite** - Apply 10 to 30 lbs. per acre at bloom or early petal fall and repeat at 10-14 day intervals as necessary or after period of wet weather.

**CITRUS (GRAPEFRUITS, KUMQUATS, LEMONS, LIMES, ORANGES, TANGERINES, TANGELOS):** WETTABLE SULPHUR is a wettable formulation of finely ground sulphur with special suspending and adhering qualities that maintain active residues on citrus trees for extended periods of time, once leaves are allowed to dry.

Although sulphur kills rust mite by fumigation as well as contact, thorough coverage is absolutely necessary for best results.

Use 30 pounds WETTABLE SULPHUR in 500 gallons water for the control of rust mites in citrus. Apply at a rate of 133 to 333 gallons per acre (8 to 20 pounds product per acre).

Apply in any spray **NOT CONTAINING OIL**. Apply when infestation threatens. Do not use WETTABLE SULPHUR in combination with oil emulsion. Any application of sulphur should not be closer than 4 weeks to an oil application.

**WALNUTS:**

**European Red Mite, Almond Mite, Two-Spotted Mite, and Red Spider Mite** - Apply 10 to 20 lbs. per acre. Apply with mite sprays to increase effectiveness. **CAUTION:** Do not apply unless variety is known to be tolerant to sulphur.

**GRAPES:**

**Powdery Mildew, Red Spider Mite** - Apply 5 lbs. per acre. Apply in late dormancy, with cutworm spray, early shoot period and every 14 days through season.

**BLACKBERRY (Rubus spp.):**

**Powdery Mildew** - Apply 6 to 15 lbs. per acre. Apply when new shoots are 6" long and before blossoms open. Repeat at 10 day intervals as necessary.

**RASPBERRY (Rubus spp.):**

**Powdery Mildew (Sphaerotheca humuli)** - Apply 6 to 15 lbs. per acre. Apply each week starting at first bloom color, until fruit is set, then repeat as weather requires.

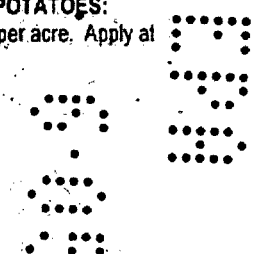
**STRAWBERRIES:**

**Powdery Mildew, Red Spider Mite** - Apply 5 to 10 lbs. per acre. Apply at early leaf stage. For powdery mildew, at first signs of disease and repeat as needed.

**BEANS, PEAS, BROCCOLI, BRUSSEL SPROUTS, CABBAGE, CAULIFLOWER, COLLARD, KALE, PEPPERS, POTATOES:**

**Powdery Mildew, Red Spider Mite** - Apply 5 lbs. per acre. Apply at early leaf stage and repeat every 10 to 14 days.

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2/2

**SPECIMEN LABEL**

**TOMATOES:**

Russet Mite - Apply 5 lbs. per acre as needed. Thorough coverage required.

**COTTON, SEED ALFALFA:**

Red Spider Mite - Apply 5 lbs. per acre as needed.

**PEANUTS:**

Powdery Mildew, Leaf Spot, and Red Spider Mite - Apply 8 lbs. per acre. Start at early leaf stage and repeat as necessary, usually 10 - 24 days.

**SUGAR BEETS:**

Red Spider Mite - Apply 5 lbs. per acre as needed.

**ROSES:**

Black Spot, Powdery Mildew - Apply 6 to 8 lbs. per 100 gallons of water. Apply at first sign of disease and repeat as needed.

**CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES**

Read the Conditions of Sale - Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

DEC 6 2005

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

5905-289

