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10163-135

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

DEC 21 1993

Bethany G. Hulcy
GOWAN COMPANY
P.O. Box 5569
Yuma, AZ 85366

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 08/13/93 in Response to PR Notice 93-7
EPA Reg. No. 10163-135
GOWAN SULFUR 6F

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

2078

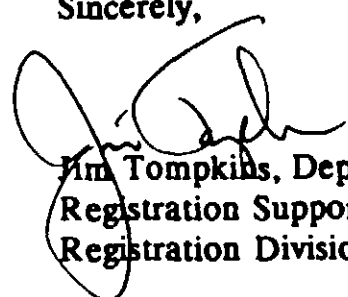
Submit the final printed labeling via the U.S. Postal Service to:

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

RECAPTURED
with COMMENTS
In EPA Letter Dated
DEC 22 1993

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GOWAN SULFUR 6F

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

10163-135

% By Wt.
52.0%
48.0%
TOTAL 100.0%

ACTIVE INGREDIENT: Sulfur.....
INERT INGREDIENTS.....

Contains 6 pounds of sulfur per gallon

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED, call a physician or Poison Control Center. Induce vomiting by giving 1 of 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.
IF INHALED, remove victim to fresh air. Apply artificial respiration if victim is not breathing. Get medical attention.
IF ON SKIN, wash with soap and water. Get medical attention if irritation persists.
IF IN EYES, flush with plenty of water. Get medical attention if irritation persists.

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, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- 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.

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.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from area treated. Do not apply where runoff is likely to occur. Apply only as specified on this label.

PHYSICAL AND CHEMICAL HAZARDS

Keep away from sparks and open flame. Do not reuse empty container. Clean equipment after use to avoid caking with dry sulfur residues, which are flammable.

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 intervals. 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 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

CHEMIGATION

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

BEST AVAILABLE COPY

NET WEIGHT _____ POUNDS

STORAGE AND DISPOSAL

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

Storage: Store in a dry and secure location. In case of container leakage, absorb spillage with clay, sawdust or other absorbent material. Repackage usable product in sound container. Dispose of used absorbent according to applicable laws.

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: Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CROP USE RECOMMENDATIONS

Field Precautions

Use this product only as recommended on this label. Sulfur may burn foliage and fruit in periods of high temperature. Do not apply to any crop except cotton when temperatures may exceed 90°F. Unless otherwise specified, do not combine Gowan Sulfur 6F with spray oil or apply within three weeks of a spray oil application except during dormant applications or severe foliar burn may result. On citrus, do not combine with spray oils or apply within four weeks of spray oil applications. Avoid combinations of Gowan Sulfur 6F with captan on sulfur sensitive crops. Do not use with oil concentrate or penetrating surfactants. Use caution when combining with emulsifiable concentrates as injury may result. Sulfur may be applied with dormant oil during the dormant period only.

Do not apply to sulfur-sensitive crops, or injury will result. Sulfur-sensitive crops include apricots, d'Anjou and Comice pears, cranberries, melons, cucumber, squash, filberts, spinach and walnuts.

Consult your State Agriculture Experiment Station or Cooperative Extension Service for information on the use of sulfur under local conditions.

Mixing and Application Directions

This product is a water based suspension. Agitate container before adding contents to mix tank. Partially fill mix tank, then, with agitation operating, add sulfur. See Dilution Directions for guidelines on the correct amount of water to use. Maintain agitation until application is complete, as material may not resuspend.

Thoroughly rinse equipment with clear water after each day's use. Sulfur can damage equipment if allowed to set.

Do not allow to drift to sulfur-sensitive crops (as listed under Field Precautions).

This product may be applied with liquid fertilizers.

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PM 21 10163-135

File
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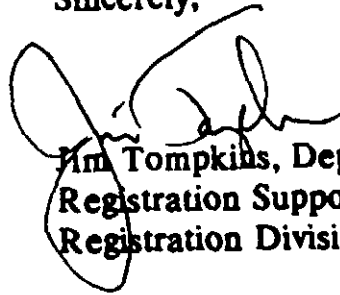
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This product may be applied with liquid fertilizers.

Dilution Directions

The rate required to provide thorough, uniform coverage varies with plant growth at time of application. The following rates are therefore intended to cover a broad range of applications.

Dilute Application

Field and Row Crops: Apply specified rate in 20 to 75 gallons of water per acre.

Trees and Vines: Apply specified rate in 100 to 800 gallons of water per acre. For citrus, use up to ~~3,000~~ ^{1,500} gallons of water per acre.

Concentrate Application

Field and Row Crops: Apply specified rate in not less than 5 gallons of water per acre.

Trees and Vines: Apply specified rate in 20 to 100 gallons of water per acre. Special concentrate equipment is required for these applications.

Air Application

Apply specified rate in a minimum of 5 gallons of water per acre. For citrus, use a minimum of 8 gallons of water per acre.

Recommendations

Rates are per acre. There are no preharvest intervals. Use higher rates for harder to cover conditions, or when disease pressure is severe.

Trees and Vines

Crop	Disease/Pest	Rate	Remarks
Apples	Scab	2-4 gals.	Prebloom through calyx sprays
Pears	Powdery mildew	1 1/2-4 gals.	Cover sprays
	Rust mite	3-5 gals.	Dormant, delayed dormant and post harvest sprays. Use with 4-6 gals. of superior type spray oil. Follow spray oil manufacturer's directions.
	Red spider mite	2-4 gals.	Cover sprays.
DO NOT USE GOWAN SULFUR 6F ON COMICE OR D'ANJOU PEARS. ON APPLES, CHECK SPECIFIC VARIETAL TOLERANCE TO SULFUR PRIOR TO USING.			
Almonds	Brown rot Scab	2 1/2-5 gals.	Pink bud, bloom and petal fall.
Avocadoes	Brown mites	5 gals.	Apply when mites first appear.

Blackberries Blueberries Boysenberries Currants Dewberries Gooseberries Huckleberries Loganberries Raspberries	Powdery mildew	2½ gals.	Apply when disease first appears and repeat as necessary.
Cherries Plums Prunes	Powdery mildew Brown rot blossom and twig blight	3-4 gals.	Pink bud and bloom sprays.
	Leaf spot Peach scab Silver mite Flat mite Red spider mite	1½-4 gals.	Petal fall and cover sprays. Follow local guidelines for sulfur dosages and timing.
Citrus (Grapefruit, lemons, limes, oranges, tangelos, tangerines)	Rust mite Clover mite Thrips	2-5 gals. 1-2 gals.	Apply when mites first appear. Spray when spring flush is at 3-4 inches of growth and repeat as necessary.
Grapes (Raisin, table, wine)	Powdery mildew	7-8 pints	Make first application when shoots are 6-8 inches long and repeat at 10-14 day intervals as necessary throughout the season. Ground application is preferred.
	Bud mite Blister mite Red spider mite	1½ gal.	Apply at budburst.
Mangoes	Powdery mildew	5 gals.	Apply before flowering and repeat at 20 day intervals if necessary.
Peaches Nectarines	Powdery mildew Brown rot blossom and twig blight Leafspot	2-4 gals. 1½-4 gals.	Pink bud and bloom sprays. Petal fall and cover sprays.
	Scab	2½-4 gals.	Shuck split through preharvest.
DO NOT APPLY DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURES. ON NECTARINES, APPLICATIONS TO MATURE FRUIT MAY CAUSE DISCOLORATION. APPLICATION IN COMBINATION WITH IMIDAN AND/OR OMITE MAY CAUSE DAMAGE.			
Pistachios	Citrus flat mite	3½-4.75 gals.	Apply when mites first appear.

Strawberries	Powdery mildew	1 gal.	Apply at first sign of infection and repeat at 10-14 day intervals. If strawberries are grown for canning, discontinue applications well before harvest in accordance with local canner's recommendation.
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Walnuts	Almond mite Pacific mite Red spider mite Two spotted mite	3½ gals.	Apply when mites first appear.
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Field and Row Crops

Barley Corn Rye Wheat Oats Sorghum	Atlantic mite Pacific mite Red spider mite Two spotted mite Powdery mildew	2½ gals. ½ gal.	Except California Begin applications at first sign of disease presence and continue treatments at 7-10 day intervals or as necessary.
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Beans dry colored green snap lima	Powdery mildew Leaf spot	4-9 pints	Apply at first sign of disease and thereafter as necessary.
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Broccoli Brussels Sprouts Cabbage Cauliflower Collards Kale Mustard Greens Peppers Rutabagas Turnips	Powdery mildew	7 pints	Apply at early leaf stage and thereafter as necessary.
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Carrots	Powdery mildew Petrobia mite	13 pints	Apply at early leaf stage and repeat every 2 weeks as necessary. Do not use within 30 days of a carrot oil application (weed oil).
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Cotton	Atlantic mite Red spider mite	2 pints 1 gal.	Early season Mid to late season
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Garlic	Powdery mildew	1 gal.	Begin applications at first sign of disease presence and continue treatments at 7-10 day intervals or as necessary.
Onions	Petrobia scale		
Peanuts	Rust	2-4 pints	Begin application 40-60 days after planting. Apply every 1 to 2 weeks as needed.
	Powdery mildew Leaf spot Red spider mite	7 pints	Begin at early leaf stage. Repeat as needed at 18 day intervals.
Potatoes	Powdery mildew	3-4 pints	Begin applications at first sign of disease presence and continue treatment at 7-10 day intervals or as necessary.
Soybeans	Powdery mildew Leaf spot	2 gals.	
Sugar beets	Powdery mildew	1-1½ quarts	One to two repeat applications at 10-30 day intervals may be necessary. Apply when disease first appears.
Tomatoes	Russet mite	1-1 gal.	Apply when mites first appear.

Ornamentals

Asters, Carnations, Cosmos, Crepe Myrtle, Dahlia, Delphinium, Gladiolus, Lingustrum, Sunflowers, Sweet Peas, Violets, Zinnias. Powdery Mildew

Calendula, Cherry Laurels, Hollyhock, Simflax. Leaf Spot and Powdery Mildew

Clematis, Columbine, Ivy (English), Laurel, Petunia, Sage. Leaf Spot

Roses (field grown roses only) Powdery mildew, Leaf Spot

Apply 7 pints in 100 gallons of water for hand gun applications, or 1 gallon per acre in conventional ground equipment. Treat when disease first appears.

Notice on Conditions of Sale

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.

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