Reg # 4581-373 PM-21

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

S278807 500

MAK 2 0 1391

Ms. Rebecca A. Clemmer Atochem North America, Inc. Agchem Division, Room 619 3 Parkway Philadelphia, PA 19102

Dear Ms. Clemmer:

Subject: Amended Labeling

Microthiol Special

EPA Registration No. 4581-373

Your Submission Dated July 17, 1990

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

- Under the entries for broccoli and greens, delete the claim for control of rust. We have no information to suggest that this disease occurs oris a pest on these crops.
- Under cereals, in the directions column, change "diseases" to "mites" since no diseases are listed.

Sincerely yours,

Susan Lewis
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (H7505C)

### H7505C/BCHAMBLISS/cd/3-8-91/Room 227B/557-7382

	CONCURRENCES							
SYMBOL								
SURNAME								
DATE	<b>)</b>			]				
APA Form	1320-1 (12-70)		*11.	S.CPG: 1989-424-48	1/10104		OFFICE	AL FILE COPY

### PROPOSED LABEL

With COMMENTS in EPA Letter Dated

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## MICROTHIOL SPECIAL MICRONIZED WETTABLE SULFUR

MAR 20 1991

Under the For.
Fungicide, and Rude 1821. Act.
amended, for the pestici?
registered under EPA Reg. 150

ACTIVE INGREDIENT:

Sulfur....

.80.0%

4581-373

INERT INGREDIENTS.....

IATOT

100.0%

# KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN, wash with soap and water.

IF IN EYES, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

IF SWALLOWED, give one or two glasses of water and induce vomiting by sticking finger down throat. Never give anything by mouth to an unconscious person.

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS (AND DOMESTIC ANIMALS) CAUTION

May cause irritation of eyes. Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing dust or spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

### **ENVIRONMENTAL HAZARDS**

Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Do not contaminate water by disposal of equipment washwater. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas.



EPA Reg. No. 4581-373

EPA Est. No. 44420-FR-1

## **NET CONTENTS 30 LBS/13.6 KG**

Sold by

Atochem North America—Agchem Division

Made and Printed in France

Philadelphia, PA 19102

### PROPOSED LABEL

### MICROTHIOL SPECIAL

Micronized Wettable Sulfur (EPA Reg. No. 4581-373)

### RESTRY STATEMENT

It this product. When eral workings are given, such workings shall be given in a language contemptity understood by the kings. Oral normings areal be given in a language counterfaily understood by the kings. Oral normings areal for externation shall be following information: "CAUTION. Area treated with INICROTHIOL SPECIAL on (date of pleasion). Do not enter without protectiv: clothing within 24 hours after application. Protective clothing means, at least, a hall color lased covering, a long-stooved shall and long lagged trausors, shoes and sortes."

### APPLICATION INSTRUCTIONS

Apply through any type of handfeld, trapcack, mechanical or provingite spraying equipm MICROS: Paux the required amount of MICROTHIOL SPECIAL into the indicated amount of water white stirring. MICROTHIOL SPECIAL disperses instantly.

Divine Application:

Cround: Specified rate in 20 to 60 gallon, of water per acre.

Orchard: Specified rate in 100 to 800 gallons of water per acre.

Orchard: Specified rate in 20 to 100 gallons of water per acre.

Aerial Application: Ground: Specified ryte in 3 to 20 gallons of water per acre. Drichard: Specified rate in 10 to 26 gallons of water per acre.

Section of the section of

Some craps may be demaged by sulfur under certain climate conditions. On not use an any crap unless sulfur has been shown to be safe in your lecality. Do not allow spray to drift onto sulfur-senablys craps such as apricole, cranborries, spirach and Anjou peers. Sulfur may burn foliage when temperature is high. Do not apply at such three. Do not use within two weeks of an oil agray breatment. For clima, do not apply within 21 days of an oil spray. When growing craps for processing, consult the processor before applying suffer.

HOTE: The application rates specified for each crop are the mountain that should be applied. These amounts may be reduced if experience or load procises indicate that become amounts may be effective. Consult State Agriculture Experience States are State Entended States.

### STORAGE AND DISPOSAL

RE UNITING TIONS: Store in a placed purious in a cost, dry place. So not store note formulate or others in a manner relief organ-contentings with other payablists, forfilmen, find or first exact o

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### PROPOSED LABEL

### MICROTHIOL SPECIAL

Micronized Wettable Sulfur (EPA Reg. No. 4581-373)

### DIRECTIONS FOR USE

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

### VEGETABLE CROPS

CROP	PEST	RATE LBS/A	DIRECTIONS
Beans	Leaf Spot Powdery Mildew	7.	Apply at early leaf stage and repeat at 14-day intervals as necessary.
Broccoli, Brussels sprouts, Cabbage, Cauliflower	Powdery Mildew Red Spider Mite Rust	3–10	Begin in early leaf stage. Repeat application every 10 to 14 days as neccesary.
Carrots	Powdery Mildew Petrobia Mite	3-10	Apply at early leaf stage and repeat application every 14 days as needed.
Cucumbers	Powdery Mildew	2-4	Apply when disease first appears and repeat as necessary. Do not apply more than 2 pounds MICROTHIOL per acre per application during periods of high temeratures.



Greens: Collards, Kale, Mustard	Powdery Mildew Red Spider Mite Rust	3-10	Apply at early leaf stage and repeat application every 14 days as needed.
Lettuce (Head and Leaf	Powdery Mildew Rust Red Spider Mite	5–6	Apply at early leaf stage and repeat every 14 days as needed. Thorough coverage is required.
"elons	Powdery Mildew	10-15	Apply when disease first appears and repeat as needed. Sulfur can injure plants, especially when
			temperature reaches 95 F. Do not use on sulfur sensitive varieties.
Onions, Garlic	Powdery Mildew Petrobia Mite	3–10	Apply when disease first appears and repeat as needed.
Potatoes	Powdery Mildew Red Spider Mite	5	Apply at early leaf stage and repeat every 14 days as needed.
Peppers )	Powdery Mildew Red Spider Mite	3-10	Apply at early leaf stage and repeat every 14 days as needed.
Rutabagas	Powdery Mildew Red Spider Mite	3-10	Apply at early leaf stage and repeat every 14 days as needed.
Squash	Powdery Mildew	10-15	See use directions for melons, above.
Tomatoes	Russet Mite Powdery Mildew	5-10	Begin application when symptoms first appear. Thorough coverage is required.
Turnips	Powdery Mildew Red Spider Mite	3-10	Apply at early leaf stage and repeat every 14 days as needed.

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CROP	PEST	RATE LBS/A	DIRECTIONS
Almonds	Brown Rot Leaf Spot Silver Mite Flat Mite Red Spider Mite	10-20	Apply at bloom or early petal fall. Repeat as necessary, usually 10 to 14 days or after a period of wet weather.
Apples, Pears	Powdery Mildew Scab Blister Mite Red Spider Mite	10-20	Apply at prebloom and petal fall. Apply with cover sprays throughout the season. Do not apply to Anjou pears.
Avocados	Brown Mite	10-20	Apply as needed.
Citrus )	Flat Mite Silver Mite Rust Mite Broad Mite Bud Mite Red Spider Mite	10-20	Do not apply in any spray containing oil when temperatures reach 85-90°F or above.
	Six-spotted Mite Thrips Yuma Spider Mite		
Grapes	Powdery Mildew Bud Mite Blister Mite Red Spider Mite	5-10	Apply throughout the season at 14-day intervals as needed. Note: Use with caution on concord or labrusca type grapes as injury can occur after bloom.
angos	Powdery Mildew	10-30	Begin application before bloom. Repeat at bloom, after fruit set, and 3 weeks later or as necessary.
Stone Fruits: Peaches, Plums, Cherries, Nectarines, Prunes	Powdery Mildew - Brown Rot Leaf Spot Silver Mite Flat Mite Red Spider Mite	10-20	Follow directions for almonds, above. For Brown Rot of fruit, apply when fruit starts to ripan. Do not apply to apricets.
Walnuts Pecans, Mecadamias	Pacific Mite Almond Mite Two spotted Mite Red Spider Mite Broad Mite	10-30	Apply throughout the season as needed. Note: some varieties of walnuts and pecans are sensitive to sulfur sprays under certain conditions. Do not apply unless varieties are known to be tolerant of sulfur.

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## FIELD CROPS

CROP	PEST	RATE LBS/A	DIRECTIONS
Alfalfa	Atlantic Mite Red Spider Mite	8-10	Apply throughout the season as necessary.
Cereals: Corn, Wheat, arley, Uats, Rye, Sorghum	Red Spider Mite Two Spotted Mite Pacific Mite Atlantic Mite	8-10	Apply when disease first appears and repeat applications as necesary.
Cotton	Atlantic Mite Red Spider Mite —	5-10	Apply throughout the season as necessary.
Peanuts	Powdery Mildew - Leaf Spot Red Spider Mite Rust	5-8	Apply at early leaf stage and repeat applications as necessary.
Soybeans	Leaf Spot Powdery Mildew	1015	Apply at early leaf stage and repeat at 14-day intervals as necessary.
ugar Beets Powdery Mildew Red Spider Mite		5-10	Apply as soon as symptoms appear and repeat every 2 to 3 weeks as necessary.



### SMALL FRUITS AND BERRIES

CROP	PEST	RATE LBS/A	DIRECTIONS
Blackberries, Boysenberries, Dewberries, Loganberries, Blueberries, Gooseberries, Huckleberries, Currants	Powdery Mildew L	6-15	Begin application before blossoms open and continue at 10-day intervals as necessary.
aspberries	Powdery Mildew	6-15	Apply each week from first bloom to fruit set. Repeat as the weather requires.
Strawberries	Powdery Mildew Red Spider Mite	5-10	Begin application at early leaf stage and repeat as necessary. Do not use on sulfur-sensitive varieties.

### MISCELLANEOUS CROPS

CROP	PEST	RATE LBS/A	DIRECTIONS		
Spearmint, Peppermint	Powdery Mildew	4-6	Apply when mint is 5-6" tall or when disease appears. Repeat twice, at 30-day intervals. Do not apply within 30 days of harvest.		
Ornamentals, Roses	Powdery Mildew Leaf Spot	3-10 by ground or 3-20 by air	Apply to ensure complete plant coverage Begin when disease first appears and repeat at 5-10 day intervals.		

All applicable instruction, restrictions and precautions on the EPA registered label must be followed.

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

This label must be in the possession of the user at the time of pesticide application.

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