

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

30 JUL 1991

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

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

Dear Ms. Clemmer:

Subject: MICROTHIOL SPECIAL

EPA Req. No. 4581-373

Your correspondence/submission of June 19, 1991

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 following comments.

At the next label printing, change the first sentance under Environmental Hazards to "Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark." and submit five (5) copies of final printed labeling to the Agency.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

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

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Enclosure

MICROTHIOL SPECIAL

Micronized Wettable Sulfur

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.

ACCEPTED

EPA Reg. No. 4581-378 With Comments

JUL 30 1991

EPA Est. No. 44420-FR-1

NET CONTENTS 30 LBS/43.6 KG

ATOCHEM NORTH AMERICA, INC.—AGCHEM DIVISION
Philadelphia, PA 19102

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DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labelling. Do not apply this product through any type of irrigation system.

OBSERVE SPECIFIC INSTRUCTIONS FOR USE IN CALIFORNIA.

REENTRY STATEMENT

Do not enter treated areas without protective clothing within 24 hours after application. Protective clothing means, at least, a hat or other suitable head covering, a long-sleeved shirt and long legged trousers, shoes and socks. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, such warnings shall be given in a language customarily understood by the workers. Oral warnings must be given when there is reason to believe that written warnings cannot be understood by the workers. Written warnings must include the following information: "CAUTION. Area treated with MICROTHIOL SPECIAL on (date of application). Do not enter without protective clothing within 24 hours after application. Protective clothing means, at least, a hat or other head covering, a long-sleeved shirt and long legged trousers, shoes and socks."

APPLICATION INSTRUCTIONS

Apply through any type of handheld, knapsack, mechanical or pneumatic spraying equipment.

MIXING: Pour the required amount of MICROTHIOL SPECIAL into the indicated amount of water while stirring, MICROTHIOL SPECIAL disperses instantly.

Dilute Application:

Field: Specified rate in 20 to 80 gallons of water per acre. Orchard: Specified rate in 100 to 800 gallons of water per acre.

Concentrated Application: Field: Specified rate in 5 to 10 gallons of wa

Field: Specified rate in 5 to 10 gallons of water per acre. Orchard: Specified rate in 20 to 100 gallons of water per acre.

Aerial Application:

Field: Specified Rate in 3 to 20 gallons of water per acre. Orchard: Specified rate in 10 to 20 gallons of water per acre.

COMPATIBILITY

Microthiol Special is completely compatible with Bordeaux mixture, copper fungicides, liquid fertilizers and all organic fungicides, insecticides, acaricides and herbicides.

USE INSTRUCTIONS

Some crops may be damaged by sulfur under certain climatic conditions. Do not use on any crop unless sulfur has been shown to be safe in your locality. Do not aflow spray to drift onto sulfur-sensitive crops such as apricols, cranberries, spinach and Anjou pears. Sulfur may burn foliage when temperature is high. Do not apply at such times. Do not use within two weeks of an oil spray treatment. For citrus, do not apply within 21 days of an oil spray. When growing crops for processing, consult the processor before applying sulfur.

NOTE: The application rates specified for each crop are the maximum that should be applied. These amounts may be reduced if experience or local practice indicate that lesser amounts may be effective. Consult State Agriculture Experiment Station or State Extension Service specialist for rates recommended in your local area.

VEGETABLE CHOPS

PEST	RATE LB\$/A	DIRECTIONS	
Leaf Spot Powdery Mildew	7	Apply at early leaf stage and repost at 14-day intervals as necessary.	
Pendary luidere Red Spider Mile	3-10	Begin in early list stage. Report application every 10 to 14 days as necessary. California Only: Apply 5 list per acre at early less stage and repeat every 14 days as necessary.	
Positiony Military Potrobia Milita	3-10	Apply at early leaf stage and repeat application every 14 days as needed.	
Fewdery Milden	2-4	Apply when disease first appears and repeat as necessary. Do not apply more than 2 younds. MICROTHIOL per acre per application during periods of high temperatures.	
Powdery Milder Red Spider Mila	3-10	Apply at early leaf stage and repeat application every 14 days as needed California Only. Apply 5 lies per acce at early leaf stage and repeat every 14 days as necessary!.	
Powdery Middew Real Red Spider Miles	5-6	Apply at early leaf stage and repeat every 14 days as needed. Thorough coverage is required	
Powdery Mildew	10-15	Apply when disease first appears and repeat as needed. Softer can injure plants, especially width temperature reaches 95°F. Do not use on softer sensitive varieties.	
Powdary Mildew Potrobas Wile	3-10	Apply when disease first appears and repeat as needed. California Only. Apply 6 his per acre when disease first appears and repeat as neon years.	
Powdery Mildow Red Spider Mile	5	Apply at early leaf stage and repeat every 14 days as needed,	
Producy Mildow Red Spider Mile	3-10	Apply at early leaf stage and repeat every 14 days as needed. California Only. Apply 5 the per acre at early leaf stage and repeat every 14 days as neceroary.	
Privatery Middlew Red Spider Miles	3-10	Apply at early leaf stage and repeat every 14 days as needed. Cartorrus Only Apply 5 the per acre at early leaf stage and repeat every 14 days as necessary.	
Proviery Wilder	10-15	See use directors for motors, above.	
Foreign Miles Powdery Milder	5-10	Begin application which hystolenia first an	
Averbary Military Red Spider Hills*	3-10	Apply at early led stage and report every 14 days as needed. California (Inly: Agely 5 to per acre at early trei stage and report every 14 days as necessary.	
	Last Spel Powdery Mildew Pewdery Mildew Pewdery Mildew Ped Spider Milds Powdery Mildew Powdery Mildew Powdery Mildew Red Spider Milds Powdery Mildew Red Spider Milds Powdery Mildew Powdery Mildew Powdery Mildew Red Spider Milds Powdery Mildew Reserve Milds Powdery Mildew Reserve Mildew Reserve Milds Powdery Mildew Reserve Milds Powdery Mildew	PEST LASA Last Spot Pavolory Mildew Powdery Initiate Spicial Milds 3-10 Providery Milds 3-10 Providery Milds 3-10 Providery Milds 3-10 Powdery Milds 3-10 Powdery Milds 3-10 Powdery Milds 5-6 Red Spicial Milds 10-15 Powdery Milds 5-6 Powdery Milds 5-7 Powdery Milds 5-70	

MOT FOR THIS USE IN CALIFORNIA

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History	-	INT	CRACE	,

			
CHAP	PERT	Lista.	evections.
Atmonds	Brown Rat Land Speek Shour John Flori Man Flori Spieker John	16.36	Apply of bloom or early polal felt. Repeat as increasely, weathy 10 to 14 days or offer a joined of one washer.
Agate. Pusts	Pourdacy Midden Scale Bissier Mille Post Spilder Mille	W-30	Apply at prolingers and potal fall. Apply with cover aprays throughout the season. Do not apply to Anger potals.
Adequate	Bryan Mile	18-20	Apply as netited.
Clines	Pai Mile Sirer Mile Rust Mile Proof Mile Rust Mile Rus Spider Mile Stragger Verm Spider Mile Verm Spider Mile	16-29	De nel apply in any spray combining oil when languratures reach 66-90° F or above.
Grapus	Foodery Militie Out little Plater Milita Red Spider Milita	5-10	Apply throughout the second at 14-day intervals us inteded. Mate: Use with caution on concard of balances type grapes as injury one occur after bleens.
Manges	Ponduty Midow	14-38	Bagin application before bloom. Repeat at bloom, after fight set, and 3 weeks later or as necessary.
State Frolis Patiches, Petins, Chierles, Itacteries, Protes	Powdery Mildow Brown Red Land Speti Silver Millo Flat Male Flat Male Flat Spitter Mills	10-28	Fullow directions for abnoands, above. For Brown Flat of Iryst, apply when Iryst starts to ripos. Do not apply to apricate.
Welnes, Pacars," Macadamias"	Partic Mile Almond Mile Two spotted Mile Red Spider Mile Broad Mile	10-30	Apply throughout the sizzon: at handed. Hole: Some variables of violents and pacatic tile sundition to solve aprays under certain conditions. Do not apply unless violates are leaven to be tolorant of safer. Catherine Only: Apply a maximum of 20 the per scre as required.

"MOT FOR THIS USE IN CALIFORNIA

FIELD CHOPS

-	PEST	RATE LISSA	OWIECTIONS
Adulto NOT FOR USE IN CALIFORNIA	Adventic Miles Real Spilder Miles	8-10	Apply throughout the season at necessary.
Cometi Come, Whenthe, Bordy, Orde, Rec. Sorphum	Find Spitter bitte Two Spotting bitte Pacific Mills Adlances bitte Adlances bitte	\$-10	Apply when symptoms first applier and repeat applications as notassary.
College	Atlantic Mile* Red Spider Mile	5-10	Apply throughout the season 46 necessary. California Only: Apply a markitents of 5 the per acre as excusory. Not for very on Allantic retis.
Paine	Producy Milder Lad Spid Red Spider Mile Rest*	54	Apply at early leaf stage and repret applications as necessary. California Chity: Apply a manifesium of 5 lbs per acre at early leaf stage and repeal every 14 days as necessary.
September	Leaf Spill Powdery Millian	10-15	Apply at early last stage and repeat at 14-day intervals as necessary. California Unit: Apply a maniform of 12.5 his per acre at early had stage and repeat every 14 days, as necessary.
Sugar Botts	Pendary Madeer Red Spider Jille	\$-10	Apply as soon as symplems Appear and repeal every 2 to 3 weeks as excessary.

"NOT FOR THIS USE IN CALIFORNIA

SMALL FINITS AND REMARK

CHEP	PEST	MATE LESA	DIRECTIONS
Beckberries, Buysenberries, Demberries, Legamberries, Bemedierries, Gemedierries, Currante	Providery Mildren	6-15	Begin application before blossoms open and continue at 16-day intervals as necessary.
Puspherres	Pendary Madem	8-15	Apply each week from first bleem to knit set. Repeat as the weether requires,
Stramberres	Powdery Middee Ped Spider Mile	5-10	Bogon application at early leaf stage and registed as necessary. Do not use on suffer-sensitive vertices

MINICELLAMEDUS CHOPS

CHR	FEST	RATE LOS/A	DINECTIONS
Spearmed, Personniel HOT FOR USE HE CAL FORMA	Producy Military	44	Apply when mani is 5-6" tull of when disease appears. Repeal twice, at 30-day intervets. Do not apply within 30 days of harvoot.
Omanarisis, Rects	Pendary Materia Land Spel	3-10 by 9-band of 3-20 by str	Apply to broom complete plant coverage. Segin when deceme first appears and repeat at 5-16 day intervals. Cattlernis Only: Apply a manimum of 5-6 lips in 100 gale, of water when deceme first appears and repeat at 10-day minimum as requested.

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