



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

JAN 29 2004

Ms. Sammie L. Webb  
Tiger-Sunbelt Industries, Inc.  
P.O. Box 5  
Atmore, Alabama 36504

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Microfine Sulfur  
EPA Registration Number 71977-1  
Your Amendment Dated September 2, 2003

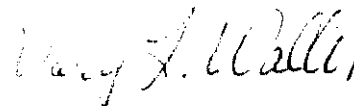
Dear Ms. Webb:

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted provided the following changes are made:

1. Change "waterproof gloves" to "chemical resistant gloves" in the Personal Protective Equipment (PPE) section and in the Agricultural Use Requirements box.
2. Change the word "CAUTION" to "Precaution" at the beginning of the last paragraph in the General Information section.
3. On page 8, in the Storage and Disposal Box, change the subheading "Storage" to "Pesticide Storage".

A stamped copy of the label is enclosed for your files. You must submit one copy of the final printed label prior to releasing the product for shipment. If you have any questions, please contact Summer Gardner-Jenkins at (703) 308-9353.

Sincerely,



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

Enclosure: stamped label

# TIGER SUNBELT

INDUSTRIES, INC.

P.O. BOX 5, ATMORE, ALABAMA 36504

## MICROFINE SULFUR

For Spraying & Dusting Fruits  
Vegetables & Ornamentals

ACTIVE INGREDIENTS: BY WT.  
Sulfur..... 90%  
INERT INGREDIENTS: .....10%  
TOTAL: .....100%

FINENESS: Not less than 98% passing 325 mesh.

KEEP OUT OF REACH OF CHILDREN  
CAUTION

2/9  
ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
JAN 29 2004

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

71977-1

### FIRST AID

#### 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 for treatment advice.

#### IF IN EYES

- Hold eye 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 eye.
- Call a poison control center or doctor for treatment advice.

#### IF SWALLOWED

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

### EMERGENCY PHONE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-239-3647 for emergency medical treatment information.

See side panel for additional precautionary statements.

EPA REG. NO. 71977-1

EPA EST. NO. 71977-AL-1

MANUFACTURED BY  
Tiger-Sunbelt Industries, Inc.  
P.O. BOX 5  
ATMORE, ALABAMA 36504

NET CONTENTS: 30 LBS.

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

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

**PERSONAL PROTECTIVE EQUIPMENT**

Applicators and other handlers other than mixers and loaders must wear: Long-sleeve shirts and long pants, water proof gloves, shoes plus socks and protective eyewear.

Mixers and loaders must wear: Long-sleeve shirts and long pants, water-proof gloves, shoes plus socks and protective eyewear.

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 handlers 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.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. 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 apply where runoff conditions are likely to occur. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

**PHYSICAL AND CHEMICAL HAZARDS**

Sulfur dust suspended in air ignites easily. Keep away from heat, sparks and flame. Do not smoke while applying this product.

**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 of 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, Waterproof Gloves, shoes plus socks and protective eyewear.

### GENERAL INFORMATION

Apply this product only as specified on this label.

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

Do not use this product for any uses other than those specified on this label.

**MICROFINE SULFUR** is formulated for use in water as a spray on fruit, vegetable and ornamental crops for the control of certain fungal diseases and mites. It may be combined in the spray tank with most of the commonly used fungicides and insecticides.

Pour the specific amount of this product on the surface of water in spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. Do not allow mixture to stand. Do not use in low volume gear type spray equipment. Do not combine with emulsifiable liquids unless previous use of the mixture has proven physically compatible and safe to plants.

**MICROFINE SULFUR** is formulated so that it can also be used as a dust on fruit, vegetable and ornamental crops for control of certain fungal diseases and mites.

When used as a dust, for best results apply when air is calm, just often enough to keep foliage and fruit covered with a light uniform coating.

**CAUTION:** Do not use sulfur in combination with oil or within two weeks of an oil spray. On citrus, do not use within 60 days of an oil spray. Do not use sulfur on apples or other sensitive crops when shade temperatures exceed or are likely to exceed 90 degrees F. Do not apply or allow sulfur to drift to Cucurbits (cucumber, cantaloupe, melon, squash) or tung. To do so may result in severe fruit and leaf injury.

### RECOMMENDATIONS

Consult State Agriculture Experiment Stations or the State Agricultural Extension Service for additional information as the timing and number of applications needed will vary with local conditions.

All dosages given on this label are for dilute sprays (1X concentrations). For use in concentrate sprays, increase the amount of product by the concentrate factor. For example, if normal use is 5 lbs. per 100 gallons applied to one acre, the 5X concentrate rate will be 25 lbs. per 100 gallons applied to 5 acres. Spray often enough to keep new growth protected.

For use as a dust, apply the recommended rate per acre without water. For example, if the rate is 8 lbs. per 100 gals. of water and 500 gallons per acre are applied as a spray, use 40 lbs. of MICROFINE SULFUR as a dust.

**IMPORTANT:** Use the higher dosage during periods of frequent or heavy rainfall. Spray often enough to keep susceptible growth covered. This may require weekly or biweekly applications during periods of rapid growth and frequent rainfall.

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

### FRUIT AND NUT CROPS

**ALMONDS:** Brown Rot, Powdery Mildew, Leaf Spot, Scab - 2 to 6 lbs. per 100 gals. of water - Apply pre-bloom, bloom, petal fall and as a cover spray every 10 to 14 days or after a period of wet weather. Mites - Brown, Almond, European Red, Two-Spotted, Pacific, Strawberry (Atlantic), Silver, Flat - 2 to 6 lbs. per 100 gals, as needed when infestation is noted. Do not apply within two (2) weeks of an oil application.

**APPLES:** Scab, Powdery Mildew - 2 TO 6 lbs. per 100 gals. of water - Apply pre-bloom, bloom, petal fall, shuck and as a cover spray through out the season. Mites - Blister, European Red, and Two-Spotted - 2 to 6 lbs. per 100 gals. as needed when infestation is noted.

**AVOCADOS:** Brown Mite - 30 lbs. per acre as needed.

**CANE FRUITS:** Blackberries, Blueberries, Boysenberries, Currants, Dewberries, Gooseberries, Huckleberries, Logan-berries, Raspberries: Powdery Mildew - Apply 1 to 3 lbs. per 100 gals. of water or 6 to 15 lbs. per acre when new shoots are 6 inches long and before blossoms open. Repeat at 10 day intervals as necessary.

**CHERRIES:** Brown Rot Blossom Blight, Powdery Mildew, Leaf Spot, Rust - 2 to 6 lbs. per 100 gals. of water - Apply pre-bloom, bloom, petal fall and as a cover spray at 7 to 14 day intervals and as a post-harvest foliar treatment for leaf spot. Mites - Silver and Flat - 2 to 6 lbs. per 100 gals. as needed.

**CITRUS:** Rust Mites - Use 25 to 75 lbs. per acre, depending upon tree size, in sufficient water to cover. Begin application at first sign of damage and repeat as necessary. Rust Mites should be controlled at all times of the year to prevent russetting of fruit and greasy spot of leaves.

**FIGS:** Fig Rust Mite - Apply 44 lbs. per acre when mites first appear. Since the effectiveness of sulfur varies in different localities, State Agriculture Experiment Stations should be consulted as to the effectiveness before application.

6/9

**GRAPES:** Powdery Mildew, Bud Mites, Blister Mites, Red Spider - 2 lbs. per 100 gals. of water or 2 to 5 lbs. per acre, preferably by ground equipment, beginning when shoots are 6-8 inches long and continuing at 7-10 day intervals. Concord and other Labrusa type grapes may be injured by sulfur.

**MANGOES:** Powdery Mildew - 10 to 30 lbs. per acre. Begin before bloom. Repeat in bloom, after fruit set and 3 weeks later or as necessary.

**OLIVES:** For control of Olive Mite - Apply 55 to 76 lbs. per acre. Do not use Sulfur in hot weather as damage may result to crop and foliage.

**PEACHES AND NECTARINES:** Brown Rot Blossom Blight, Coryneum Blight, Rust, Powdery Mildew, Scab - 2 to 6 lbs. per 100 gals. of water pre-bloom, bloom, petal-fall and in cover sprays at 7-14 day intervals. Peach Silver Mites - 2 to 6 lbs. per 100 gals. of water as needed when infestations appear.

**PEARS:** Scab, Powdery Mildew - 2 to 6 lbs. per 100 gals. of water - Pre-bloom, petal fall, shuck and as a cover spray throughout the season. Mites - Blister, European Red, Two-Spotted - 2 to 6 lbs. per 100 gals. of water as needed. Sensitive varieties such as D'Anjou and Comice may be injured by sulfur under certain climatic conditions.

**PISTACHIOS:** Citrus Flat Mite - 55 lbs. per acre. Apply when mites first appear and repeat as necessary. May be applied by ground or air.

**PLUMS AND PRUNES:** Brown Rot Blossom Blight, Scab, Powdery Mildew, Rust, Leaf Spot - 2 to 6 lbs. per 100 gals. of water pre-bloom, bloom, petal fall and as cover spray at 7 to 10 day intervals. Silver Mites - 2 to 6 lbs. per 100 gals. of water as needed.

**QUINCE:** Brown Rot, Powdery Mildew, Scab - Apply 38 to 65 lbs. per acre. Begin before diseases are expected to appear. Repeat at 7 to 10 day intervals or as necessary.

**STRAWBERRIES:** Powdery Mildew - 1 to 3 lbs. per 100 gals. of water or 5 to 10 lbs. per acre. Sulfur may injure strawberries under certain climatic conditions.

**WALNUTS:** Mites - European Red, Pacific, Almond, Two-Spotted - 2 to 4 lbs per 100 gals. of water. Apply with miticide sprays to increase effectiveness. Certain varieties of walnuts are sensitive to sulfur. Do not apply unless the variety is known to be sulfur tolerant.

## VEGETABLE CROPS

**ARTICHOKES:** Leaf Spot - Apply 27 to 38 lbs. per acre. Begin when disease first appears and repeat at 7 to 10 day intervals as necessary.

**ASPARAGUS:** Rust - Apply 10 to 20 lbs. per acre after cutting stops, and at 7 to 10 day intervals through the season, during the fern period, apply at 2 to 3 week intervals or with a regular insect program. For Two-Spotted and Brown Mites - Use 4 to 6 lbs. per acre as necessary.

**BEAN AND PEAS:** Powdery Mildew, Rust, and Leaf Spot - 3 to 6 lbs. per acre at first sign of infection and every 7 to 14 days as necessary. Mites - Two-spotted, Pacific, Strawberry (Atlantic) - 3 to 6 lbs. per acre as necessary.

**CARROTS:** Powdery Mildew - 5 to 10 lbs. per acre. Begin at first sign of disease and repeat at 7 to 10 day intervals.

**COLE CROPS:** Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Kale, Mustard Greens, Rutabagas, Turnips - Powdery Mildew - 3 to 5 lbs. per acre beginning in early leaf stage and repeating every 10 to 14 days as needed, or immediately after rain. Mites - Two Spotted, Pacific, Strawberry (Atlantic) - 3 to 5 lbs. per acre as necessary.

**EGGPLANTS:** Powdery Mildew - Apply 22 to 38 lbs. per acre. Begin when first true leaves appear. Repeat at weekly intervals.

**ONION AND GARLIC:** Powdery Mildew - 5 to 10 lbs. per acre. Begin before disease is expected to appear and repeat as necessary.

**PEPPERMINT AND SPEARMINT:** Powdery Mildew - Apply 4 to 5 lbs. per acre when mint is 5 to 6 inches tall or when disease appears. Repeat twice, at 30 day intervals. Do not apply within 30 days of harvest.

**PEPPERS:** Powdery Mildew, Leaf Spot - 3 to 5 lbs. per acre beginning in the early leaf stage and repeating every 10 to 14 days as necessary.

**POTATOES:** Powdery Mildew, Leaf Spot - 3 to 5 lbs. per acre. Apply when disease first appears and repeat at 3 to 4 week intervals. Two spotted Mites - 3 to 5 lbs. per acre as necessary.

**SPINACH:** Powdery Mildew, Rust - Apply 9 to 33 lbs. per acre. Apply when diseases first appear. Repeat at 7 to 10 day intervals.

**TOMATOES:** Tomato Russet Mite - 2 to 5 lbs. per acre in sufficient water to assure thorough coverage. Begin when infestation first occurs and repeat as necessary, or with regularly scheduled insect program.

## FIELD CROP

**ALFALFA:** Lygus Mites, Pacific Mites, Strawberry Mites - 3 to 5 lbs. per acre as necessary. Repeat at two week intervals.

**CLOVER:** Powdery Mildew, Spider Mites - Apply 16 to 27 lbs. per acre. Apply at first sign of disease or infestation and repeat at 7 - 10 day intervals as needed to maintain control.

**CORN AND SORGHUM:** Powdery Mildew - 3 to 5 lbs. per acre. Apply when disease appears and repeat as necessary. Two-Spotted Mites, Pacific Mites - 3 to 5 lbs per acre when infestation first appears, repeating as necessary.

**COTTON:** Strawberry (Atlantic) Mites, Lygus Mites - 6 to 9 lbs. per acre beginning when infestation first occurs and every 7 to 14 days as necessary.

**COWPEAS:** Rust - Apply 6 to 27 lbs. per acre. Begin soon after seedlings emerge. Repeat at 7 to 10 day intervals through the season.

**FLAX:** Powdery Mildew - Apply 22 to 33 lbs. per acre. Begin at first sign of disease. Repeat at 7 to 10 day intervals or as necessary.

**GRASS SEED CROP:** Timothy Mite - Apply 33 lbs. per acre. Begin when infestation first occurs and repeat at 7 to 10 day intervals as needed to maintain control.

**HOPS:** Mite Suppression - Apply 33 to 44 lbs. per acre. Begin when infestation first occurs and repeat at 7-10 day intervals as needed to maintain control.

**PEANUTS:** Rust, Powdery Mildew, Leaf spot - 3 to 5 lbs. per acre beginning in early leaf stage and repeating every 10 to 24 days as necessary.

**SMALL GRAINS:** Barley, Oats, Rye, Wheat: Powdery Mildew - 3 to 5 lbs. per acre. Apply when disease appears and repeat as necessary. Two-Spotted Mites, Pacific Mites, Strawberry (Atlantic) Mites - 3 to 5 lbs. per acre as necessary.

**SOY BEANS:** Powdery Mildew - 3 to 5 lbs per acre. Apply when disease appears and repeat as necessary. Two-Spotted Mites, Pacific Mites, Strawberry (Atlantic) Mites - 3 to 5 lbs per acre beginning when infestation is first noted, repeating as necessary.

**SUGAR BEETS:** Powdery Mildew - 3 to 5 lbs. per acre beginning when disease first appears, repeating at 3 to 4 week intervals.

**VETCH:** Rust - Apply 27 to 44 lbs. per acre. Begin at first sign of disease. Repeat at 7 to 10 day intervals.

## FLOWERS AND ORNAMENTALS

**APPLICATIONS:** To control the diseases and red spiders listed below, use **MICROFINE SULFUR** as a dust or spray using 6 lbs. per 100 gals. of water. Applications would be made at 5 to 7 day intervals, beginning when the disease or mites first appear and continuing until all danger from the disease is past. During periods of humid or rainy weather it may be necessary to make applications as often as every 2 to 3 days.

**POWDERY MILDEW:** Aster, Chrysanthemum, Cosmos, Dahlia, Daisy, Delphinium, Dogwood, Euonymus, Golden Fleece, Hibiscus, Honeysuckle, Hydrangea, Lady's Mantle, Ligustrum, Lilac, Crepe Myrtle, Phlox, Poplar, Silver Vine, Rose, Spiraea, Sunflower, Verbena, Willow and Zinnia.

**LEAF SPOT:** Calendula, Cherry Laurel, Clematis, Columbine, English Ivy, Foxglove, Hydrangea, Petunia, Phlox, Sage, Smilax and Snapdragon.



9/9

**BLACK SPOT:** Rose. **POWDERY MILDEW:** Rose.

**BOTRYTIS BLIGHT:** Hydrangea.

**RED SPIDERS:** Arbovitae, Carnation, Cedars, Chrysan-themums, Clematis, Hydrangea, Rose, Snapdragon and Sweetpeas.

### **POULTRY**

**CHICKENS, TURKEYS, DUCKS, GEESE, GAME BIRDS AND PIGEONS:** To control Deplumming Mites, dust liberally on birds and rub into feathers. Apply dust thoroughly to all interior surfaces of poultry houses. Force dust into cracks and crevices. Repeat applications as needed.

### **STORAGE AND DISPOSAL**

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

**STORAGE:** Store in a cool dry place.

**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.

### **WARRANTY STATEMENT**

**TIGER-SUNBELT INDUSTRIES, INC.** warrants that this product in its unopened package conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal use conditions on the crops specified. There are no other warranties, expressed or implied concerning the use of this product other than indicated on the label. This warranty does not extend to the handling or use of this product contrary to label instructions or under abnormal conditions or under conditions not reasonably foreseeable to seller and buyer assumes all risk of any such use.

