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**WARRANTY STATEMENT**

INTERNATIONAL CHEMICALS, 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 instruction or under abnormal conditions or conditions not reasonably foreseeable to seller and buyer assumes all risk of any such use.



**EM-53 LIQUID SULPHUR**  
FOR CONTROL OF FUNGAL DISEASES,  
MITES, & PLANT PESTS

<b>ACTIVE INGREDIENT:</b>	
Sulphur .....	53.0%
<b>INERT INGREDIENTS.....</b>	
	47.0%
<b>TOTAL .....</b>	<b>100.0%</b>

This product contains 6 lbs of Sulphur per gallon

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

**IF ON SKIN:** wash immediately with soap and water.

**IF IN EYES:** Immediately flush eyes with plenty of clear water for at least 15 minutes

**IF SWALLOWED:** drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention

See Side Panel For Additional Precautionary Statements

EPA Reg No 49568 4

EPA Est No 49568 TX 1

INTERNATIONAL CHEMICALS, INC.  
P.O. BOX 611  
MT. PLEASANT, TEXAS 75455

**NET CONTENTS 2 1/2 GALLONS**

contaminated water when disposing of equipment washwaters

#### DIRECTIONS FOR USE

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

#### RE-ENTRY STATEMENT

Do not enter treated area without protective clothing until sprays have dried or dusts have settled. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Because certain states may require more restrictive re-entry 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, warnings must be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

**CAUTION:** Area treated with REDBALL EM-53 LIQUID SULPHUR on \_\_\_\_\_ (date of application)

\_\_\_\_\_ Do not enter without appropriate protective clothing until sprays have dried or dusts have settled. In case of accidental exposure, see the Statement for Practical Treatment on this label.

#### GENERAL INFORMATION

Apply this product only as specified on this label. Do not use this product for any uses other than those specified on this label. EM-53 Liquid Sulphur is formulated for use in water as a spray on fruit, vegetable and ornamental crops for the control of certain fungus 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 surface of water in nearby filled spray tank or pre-mix in a bucket before pouring into spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. Do not allow mixture to stand in spray equipment. Sulphur is highly corrosive, and equipment should be cleaned thoroughly after each day's spraying.

#### HOMEOWNER USE

1 level teaspoon per gallon of water is equivalent to 1 pint per 100 gallons. Make application according to specific instructions given below for those crops where rates are given in pints/hundred gallons. (For example, 2 pints per 100 gallons are equivalent to 2 level teaspoons per gallon.) 1 level teaspoon per 100 sq. feet is equivalent to 4 pints per acre. Make application according to specific instructions given below for those crops where rates are given in pints/acre. (For example, 4 pints per acre are equivalent to 1 level teaspoon per 100 sq. ft.)

#### CHEMIGATION

Refer to supplemental labeling entitled "REDBALL EM-53 LIQUID SULPHUR, CHEMIGATION INFORMATION" for use directions for chemigation.

DO NOT APPLY THIS PRODUCT THROUGH ANY IRRIGATION SYSTEM UNLESS THE SUPPLEMENTAL LABELING ON CHEMIGATION IS FOLLOWED.

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

## RECOMMENDATIONS:

**FRUIT TREE CROPS.** Unless otherwise specified for specific crops, dosage rates are given as pints per 100 gals. water for use in a thorough coverage spray. The total amount of sulphur per acre should be 1 to 4 gals. depending on the size of the trees. Because of variations in the types of spray equipment used, a range of low and high rates is listed. For high volume sprayers (output 800 to 1000 gals. spray per acre) use the low rate per 100 gals. For low volume sprayers (output 20 to 300 gals. spray per acre) use the high rate per 100 gals. Apply in sufficient water for thorough coverage. For aerial application, use a minimum of 6 gals. of finished spray per acre.

### APPLE, PEAR

Scab - Pre-bloom through calyx sprays	1 1/2 to 3 1/2 pints
Cover sprays	3/4 to 2 pints
Powdery Mildew - Pre-bloom through calyx sprays	3 pints
Cover sprays	2 pints

### CHERRY, PLUM, PRUNE:

Brown Rot, Leafspot	
Pink and Bloom Sprays	1 1/2 to 3 1/2 pints
Petiole fall, shuck & cover sprays	3/4 to 1 1/4 pints

### CITRUS

Rust Mite, Clover Mite	
Apply sprays November thru May	3/4 to 4 1/2 pints

**THRIPS** (Early spring treatment for the reduction of thrips population.) Apply 1 to 2 gallons per acre in sufficient water for thorough coverage. Make application after spray flush has made 3 inch growth. Repeat if necessary. Do not apply within 21 days of an oil application.

### PEACH, NECTARINE: Powdery Mildew, Brown Rot, Scab

Pink and Bloom Sprays	1 1/2 to 3 1/2 pints
Petiole fall, shuck & cover sprays	3/4 to 1 1/4 pints

Applications to mature nectarines may cause discoloration.

**FIELD AND VINE CROPS.** Unless otherwise specified for specific crops, dosage rates are given as pints of EM-53 Liquid Sulphur per acre. This product should be applied by ground equipment, aircraft or sprinkler irrigation systems in sufficient water to provide thorough coverage.

**BEANS** (Dry Colored, Green, Snap, Lima) Powdery Mildew, Rust. Use 8 pints of EM-53 Liquid Sulphur per acre in sufficient water for thorough coverage. Begin application at the first sign of disease. Repeat at 7 to 14 day intervals to keep new growth protected.

**COTTON.** Mites. 2 pints for early season control and up to 1 gallon for mid to late season control.

**GRAPES.** Powdery Mildew. Use 1 to 2 pints per 100 gallons water, maximum of 8 pints EM-53 Liquid Sulphur per acre in spring and summer. Make first application when shoots are 6 to 8 inches long, second when shoots are 12 to 15 inches long, and third about bloom stage. The timing, rate and number of applications will vary with local conditions. Consult State Agricultural Extension Service or State Agricultural Experimentation in your area for specific information. Follow the USE PRECAUTIONS on this label.

**PEANUTS.** For rust use 2 to 4 pints per acre of EM-53 Liquid Sulphur in enough water for good coverage. Begin 40 to 60 days after planting. Use 7 to 14 day intervals as long as needed to control rust.

**SUGAR BEETS, TABLE BEETS.** Powdery Mildew, Mites. Use 8 to 16 pints per 100 gallons of water as needed. Repeat applications should be made at 10-30 day intervals as necessary throughout the season.

**POTATOES, PEAS, BROCCOLI, BRUSSEL SPROUTS, CABBAGE, CAULIFLOWER.** For control of Powdery Mildew and Mites. Apply 4 to 7 pints per acre (2000) in early leaf stage. Repeat as necessary.

**STRAWBERRIES.** Powdery Mildew. Use 2 pints. Apply at first sign of infection and repeat at 3 week intervals. For strawberries that will be covered with mulch application of sulphur well before harvest in accordance with local grower's recommendations.

**TOMATOES.** Tomato Russet Mite. Use 1/2 to 1 gallon per acre depending on the size of plants. Use full coverage sprays.

**ONIONS, CARROTS.** For control of Mites and Powdery Mildew. Apply 4 to 12 pints at first sign of mites or disease and repeat as necessary.

**WHEAT, OATS, BARLEY, RYE, SORGHUM, CORN, SOYBEANS.** For control of Mites and Powdery Mildew. Apply 4 to 20 pints per acre. Repeat as necessary.

**WALNUTS.** For control of Mites. Apply 8 to 26 pints per acre. Repeat as necessary. CAUTION: Certain varieties of walnuts are sensitive to sulphur toxicity.

**ORNAMENTALS.** Azalea, Camellia, Cherry Laurel, Chrysanthemums, Green Myrtle, English Ivy, Gladiolus, Hollyhock, Laurel, Petaloid, Spige, Sunflowers, Tuber Pops, Yuccas, Zinnias. For control of powdery mildew and leaf spots caused by fungi, insect and ascomycetes, apply 4 to 8 pints per 100 gallons. Begin when disease first appears and repeat at 5 to 10 day intervals.

**RUBUS.** Black Spot, Brown Center, Leaf Spot, Powdery Mildew, Rust. Use 4 to 8 pints per 100 gallons. Begin when disease first appears and repeat at 5 to 10 day intervals.

**PORCHES, HOUSES & YARDS.** For control of chicken lice, stable flies, mites, and fruit flies in yards and confinements. Mix from 3 to 6 gallons of EM-53 LIQUID SULPHUR with enough water to cover 400 sq. ft. Spray walls, floors, and furniture through coverage. Repeat application should be made at 3 week intervals as necessary. Premises should be vacated of poultry before applications.

(See Insert #1)

**BEST AVAILABLE COPY**

For the correction of sulphur deficiencies in crops, EM-53 Liquid Sulphur is effective when placed as a soil application. It is important to treat the sulphur deficiency before visual symptoms appear to insure proper results. EM-53 also improve soil characteristics when used as soil conditioner. When mixed with the soil EM-53 can improve water penetration, lower soil pH, and increase nutrient availability. Rates of applications will vary depending upon the climate, soil type and method of applications. Consult your state Agricultural Experiment Station or Extension Specialist for advice in selecting treatments from his label to best fit local conditions.

#### RECOMMENDATIONS ON SOIL APPLICATIONS:

EM-53 Liquid Sulphur can be mixed and applied with liquid fertilizer or water. For most crops sulphur requirements can be determined on the basis of nitrogen and phosphate fertilizer usage. When nitrogen, and nitrogen/phosphorus fertilizers are applied, 1/6 gallon of EM-53 should be added for every 5 to 7 pounds of nitrogen. When only phosphorus and sulphur are being applied, 1/6 gallon of EM-53 Liquid Sulphur should be added for every 1.3 pounds phosphorus.

**APPLICATION:** EM-53 Liquid Sulphur can be applied in a band at planting time or as a side dressing shortly after planting.