

**PRECAUTIONARY STATEMENTS**

Hazards To Humans and Domestic Animals

**CAUTION**

Harmful if swallowed. Avoid breathing spray mist. May cause irritation of nose, throat or skin. Avoid contact with skin and eyes. Protective clothing (long pants, long sleeve shirt, gloves, hat and boots) must be worn during mixing and loading. In case of skin contact, remove with washing; for eyes, wash with copious amounts of water and get immediate attention.

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. Do not enter treated areas without protective clothing until sprays have dried.

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. (Indicate specific oral warnings which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure.) When oral warnings are given, warnings shall 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 Flowable TOP COP with Sulfur on (date of application) Do not enter without appropriate protective clothing until sprays have dried. In case of contact flush skin or eyes with plenty of clear water; for eyes, get medical attention.

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.

**USE PRECAUTIONS**

Some fruits and other plants are susceptible to injury from sulfur under certain climatic conditions. The user is advised not to use sulfur on any crop unless local use has proved that sulfur is safe in that locality. When crops are intended for processing, consult with processor before applying sulfur.

During periods of high temperature sulfur may burn foliage and fruit. Do not make sulfur applications at excessively high temperatures. Do not use sulfur with oil or within 4 weeks of an oil application unless in a dormant, delayed dormant, or post-harvest application.

When sulfur is used with arsenicals, lime should be added to prevent plant injury.

The strong adhesive properties of TOP COP with Sulfur act as a sticker on the plant. The sticking characteristic necessitates the flushing of equipment with water after each day's use. Sulfur, in any form, is corrosive material TO REDUCE THE EFFECT, EQUIPMENT SHOULD BE FLUSHED DAILY. DO NOT USE IN ALUMINUM TANKS

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

**STORAGE AND DISPOSAL**

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

Protect from freezing: This product freezes at 30°F.

Stacking Instructions: When storing pallets, stack two high on the pallet, with a maximum of two pallets high.

If container is leaking or damaged, transfer contents and label to suitable container - avoid prolonged storage or exposure to mild steel. Absorb spills with dry absorbent and dispose of as directed below. Wastes resulting from the use of this product may be disposed of on site or at an approved waste facility (Triple rinse (or equivalent)). Then offer for recycling or reconditioning, or puncture and dispose of in sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**DIRECTIONS FOR MIXING AND SPRAYING**

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

**BEFORE USING, STIR UNTIL SMOOTH**

Pour recommended amount into partially filled spray tank. Keep agitator running during filling and spraying operation. DO NOT ALLOW MIXTURE TO STAND. Failure to maintain agitation will cause TOP COP with Sulfur to settle and may necessitate manual stirring to redispense.

Unless otherwise specified for specific crops, dosage rates are given as quarts of TOP COP with Sulfur per acre on field and vegetable crops and in quarts per 100 gallons for fruit and nut crops. Spray applications can be made by ground or aerial spray equipment. Aerial sprays should be applied with a minimum spray volume of 5 gallons per acre.

SC-1889 1985 8-85

Flowable  
**TOP COP**  
with Sulfur

**Flowable Fungicide/Bactericide****ACTIVE INGREDIENTS:**

Sulfur\* ..... 50.0%

Copper\* (in basic copper sulfate)  
expressed as metallic ..... 4.4%**INERT INGREDIENTS:** ..... 45.6%**TOTAL** ..... 100.0%\*DERIVED FROM ELEMENTAL SULFUR AND TRIBASIC  
COPPER SULFATE (8.4%).**KEEP OUT OF REACH OF CHILDREN****CAUTION**

If Swallowed: Induce vomiting by sticking finger down throat. Never give anything by mouth to an unconscious person. Get medical attention. If on Skin: Wash thoroughly with soap and water. Get medical attention. If in Eyes: Wash eyes with plenty of clear water for at least 15 minutes. Get medical attention. See left side panel for additional precautionary statements.

MANUFACTURED BY:

**Stoller Chemical Company, Inc.**

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EPA Reg No 22555-3

EPA Establishment No 22555-TX-1, 22555-TX-2, 22555-CA-1, 22555-MS-1,  
22555-MN-1, 22555-IN-1, 22555-NC-1, 22555-FL-1, 22555-WA-1.

Superscript corresponds to first letters of lot num. see on label

**APPLICATION THROUGH SPRINKLER  
IRRIGATION SYSTEMS**

FIELD CROPS

FOR IRRIGATION SYSTEM APPLICATION, INJECT DIRECTLY IN SYSTEMS AT OR NEAR IRRIGATION PUMP

Portable or Solid Set Systems - Apply during final 15 minutes of irrigation period

Center Pivot System - Apply during last full revolution of the system, with a fixed minimum water setting and constant speed of movement.

Calibrate system by adjusting the injector to deliver product at the required rate using the following equation to calculate amount required

Acres in circle or Acres to be treated	X	Gallons of TOP COP recommended per acre	X	128	Ounces of TOP COP to be injected per minute
Number of Hours to complete cycle or cover area	X	80			

Apply only through properly maintained irrigation system having continuously moving laterals and providing uniform distribution of water. Where a system does not provide uniform water distribution, such as at the extreme ends of the lateral, around supports, or where extreme changes in elevation occur, unacceptable disease control may occur. Because of uneven distribution of treated discharge water from water-powered motors, pesticide applications through water-powered systems are not recommended.

Apply only through irrigation systems containing anti-siphon and check valves to prevent water source contamination and overflow and siphoning of the pesticide tank; and interlocking controls between the metering device and the water pump to insure simultaneous shut-off.

Inject the product directly with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing.

Application of high amounts of irrigation water and further operation of the system before several days have elapsed after the spray dries may result in decreased product performance by removing the pesticide from the zone of effectiveness.

Do not apply when wind speed favors drifts, when systems connections or fittings leak, when nozzles do not provide uniform distribution, or when lines containing the product must be dismantled or drained. Use of low trajectory angle sprinklers or drop nozzles will decrease the likelihood of drift.

**NOTICE  
Read Carefully**

Conditions of Sale: Stoller (and Seller) offer(s) this product for sale subject to (and buyer and all users are deemed to have accepted) the following conditions of sale and warranty which may only be varied by written agreement of a duly authorized representative of Stoller.

Warranty Limitation: Stoller warrants this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use on the label subject to the inherent risks referred to below. Stoller makes no other express warranties. There is no implied warranty or merchantability and there are no warranties which extend beyond the description on the label hereof.

Inherent Risks: The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with use. Buyer assumes all risks associated with use or application of this product contrary to label instructions or resulting from extraordinary weather conditions.

Limitation of Liability: In no case shall Stoller be liable for special indirect or consequential damages resulting from the use or handling of this product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which such damages are claimed.

**Net Contents: 5 Gallons  
Net Weight of Contents: 62.5 Pounds**

## DIRECTIONS FOR USE

Unless otherwise specified, use the high dosage rate if conditions for disease pressure are great; use the low rate if disease is light or moderate. Applications on sulfur-sensitive crops should be made when lower temperatures are expected.

Crop	Disease Controlled	Amount	Application Guide
<b>FIELD AND VEGETABLE CROPS</b>			
Beans	Mildew, Rust and Halo Blight	2 quarts/A	Begin during early bloom or when disease first threatens
Beets	Downy Mildew	2 quarts/A	Begin applications when disease first appears and then every 7 to 14 days
Carrots	Downy Mildew, <i>Alternaria</i> Leaf Blight, <i>Cercospora</i> Blight	2 quarts/A	Begin application when disease is reported and continue at 7 to 10 day intervals
Cotton	Rust, Boll Rot	1 to 3 quarts/A	Begin application at early bloom or when disease first threatens, continue at 7 to 14 day intervals until defoliation
Eggplant	<i>Alternaria</i> Blight, Anthracnose, <i>Phomopsis</i>	2 quarts/A	Begin application with appearance of the disease. Maintain 7 to 10 day schedule until harvest begins
Onions	Purple Blotch, Downy Mildew	2 to 3 quarts/A	Begin when plants are 4 to 6 inches and repeat at 7 to 10 day intervals.
Peanuts	Early and Late Leaf Spot, Rust	3 quarts/A	Begin application 40 to 60 days after planting, maintain a spray schedule of every 10 to 14 days
Peppers	<i>Cercospora</i> Leaf Spot (Frog Eye), Bacterial Spot, Anthracnose	2 quarts/A	Begin application with appearance of the disease. Maintain 7 to 10 day schedules until harvest begins
Potatoes	Early and Late Blight	2 to 3 quarts/A	Apply every 7 to 10 days throughout the season. Use higher rate as vines increase in size
Rice	Blast, Brown Leaf Spot, Narrow Brown Leaf Spot, Stem Rot, Leaf Smut, Brown Bordered Leaf, Sheath Spot, Sheath Blight	2 quarts/A	Applications beginning at panicle initiation and repeated at 14 day intervals may reduce disease severity
Soybeans	Pod and Stem Blight, <i>Cercospora</i> Leaf Spot, Anthracnose, Brown Spot	2 quarts/A	Make first application when pods are 1/8" to 1/2" long (early pod set). Additional applications at 10-14 day intervals throughout the growing season may reduce the severity of disease
Spinach	Downy Mildew (Blue Mold), White Rust	2 quarts/A	Apply at first sign of disease and repeat at 7 to 10 day intervals or as required for adequate control
Sugar Beets	<i>Cercospora</i> Leaf Spot, Powdery Mildew	2 to 4 quarts/A	Begin application before or at first appearance of disease. Repeat at 10 to 14 day intervals for 3 to 6 treatments
Tomatoes	Early and Late Blight, Mildew, <i>Septoria</i> Blight, Anthracnose, Bacterial Speck, Bacterial Spot	2 to 3 quarts/A	Begin when disease first threatens and repeat at 5 to 10 day intervals
Wheat	Powdery Mildew, Leaf Rust	2 quarts/A	Make application at first appearance of disease. Repeat at 2 week intervals if disease conditions persist. CAUTION: Some varieties of wheat may be sensitive to copper. Do not make applications at excessively high temperatures
<b>COLE CROPS</b>	Collards, Kale, Kohlrabi, Mustards, Radishes, Turnips	Downy Mildew, Leaf Spot, Black Rot	2 quarts/A
Broccoli			Begin application as soon as disease threatens and repeat at 7 to 10 day intervals. Use at 3 day intervals in plant beds
Broad Beans			
Cauliflower			
Chinese Cabbage			

Crop	Disease Controlled	Amount	Application Guide
<b>CUCURBITS</b>			
Cantaloupe, Cucumbers, Muskmelon, Pumpkin, Squash, Watermelon	Downy Mildew, Powdery Mildew	5 to 1 quart/A	Begin application when plants start to run or disease first appears. Repeat sprays at 7 to 10 day intervals through season  CAUTION: Cucurbits are sensitive to sulfur and some plant injury may occur. Applications should be made during times that lower temperatures are expected (evening). Use the lower rates if air temperatures are over 75°F and do not apply if air temperatures are expected to be over 90°F
<b>FRUIT, VINE AND NUT CROPS</b>			
Almonds	Shot Hole, Brown Rot	2 to 4 quarts/100	Apply as a dormant spray or during swelling bud stage to early bloom stage (popcorn). To avoid injury, apply prior to 50% bloom or after petal fall.
Apricots	Shot Hole, Brown Rot	4 to 6 quarts/100	Apply as delayed dormant or swelling bud to popcorn stage. Avoid spraying when in leaf as injury may occur
Citrus	Brown Rot, Melanose	4 quarts/100, 6 quarts/100	Begin application in fall, just before or just after first heavy rains. Apply 1 to 3 weeks after petal fall. Repeat in 4 weeks if there has been a history of the disease, a wet spring or late or scattered bloom
	Scab	6 quarts/100	Apply 2 sprays. Use before trees begin to flush and at 2/3 petal fall
Hops	Downy Mildew, Powdery Mildew	4 quarts/100	Apply as a wetting spray, as a crown treatment (after pruning but before training). After training, treat at 10 day intervals. Discontinue use 2 weeks before harvest
Pears	Fire Blight	2 quarts/100	Apply at 10% bloom and continue every 5 to 7 days throughout bloom. Use only where prior use shows safety to varieties in area
Walnuts	Blight ( <i>Xanthomonas</i> )	1 to 3 quarts/100	Begin application at pre-bloom and continue at 7 to 10 day intervals until fruit set
<b>SEED TREATMENT</b>			
Soybeans and Cotton	Damping off, Seeding Diseases	8 to 12 fluid ounces/cwt	For planter boxes place 1/2 the seed in box and pour the recommended amount of TOP COP over the surface and mix by stirring with a stick or paddle until seed is covered. Add remaining 1/2 of seed and TOP COP and stir as above.  Treated seed should not be used for food, feed or oil purposes.  Metal treaters and planting equipment should be thoroughly rinsed with water after use as sulfur can be corrosive.
<b>NUTRIENT USE</b>			
Foliage applications as recommended will provide sulfur and copper for the plant nutrient requirements and should be considered in the total fertilizer applications.			



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ACCEPTED  
JAN 5 1987  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 22555-3