

Technical Bulletin

SUL-PREME[®] Fungicide RSA MicroTech, LLC
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Introduction

SUL-PREME[®] is a homogenous flowable liquid formulation containing sulfur with a 2.5 micron median particle size. It controls fungal diseases, mites and plant pests. The highly concentrated formulation contains 6 pounds of active ingredient (sulfur) per gallon to reduce the quantity of product needed. Its free flowing formulation makes it easy to pour into spray equipment and mixing tanks. And, because it is a flowable product, it is not dusty like dusting sulfur.

Crops Labeled

SUL-PREME[®] is labeled for use on apples, barley, beans, broccoli, cabbage, cauliflower, carrots, cherry, corn, cotton, grapes, nectarines, onions, peas, pears, peanuts, peaches, prunes, potatoes, sorghum, soybeans, sugar beets, strawberries, tomatoes, turf, walnuts and wheat.

Use Rates and Timing

See label for rates and timing.

Product performance

The table below shows control of grass mite and two spotted mite on corn. The application rate was 1 gallon per acre via aerial application using 5 gallons of spray solution.

Date	8/24	9/7	9/27
Mite counts			
6 lb sulfur	14.4	11	0
Untreated	21	25.6	101

Powdery mildew control in grapes was also evaluated. A flowable 6 lb sulfur application at 4 pounds per acre was made by sprinkler irrigation. The number of powdery mildew infested terminal shoots out of 600 counted was 8 for the sulfur treatment compared to 582 for the untreated.

Precautions

SUL-PREME[®] is a unique flowable suspension that provides an excellent source of sulfur. To assure ease of handling and thorough coverage, follow these mixing and application procedures.

Pre-Clean: SUL-PREME[®] may loosen any foreign matter, residue, or scale in the spray system. Avoid potential problems with a caustic, non-foaming detergent such as Cascade[®].

Spray Adjuvants: SUL-PREME[®] can be used without adjuvants since it has excellent sticking and re-distribution. However, adjuvants for drift control and canopy penetration will improve the performance of the product.

Mixing: SUL-PREME[®] must be thoroughly dispersed in water for trouble free foliar application.

1. Start with at least half of the total volume of water in the tank. Agitate continuously during mixing and spraying.
2. Pour the recommended amount of SUL-PREME[®] into the tank with continuous agitation.
3. Add to final volume of water– DO NOT ALLOW MIXTURE TO STAND.



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Failure to maintain agitation will require vigorous additional agitation to re-disperse the mixture. Do not allow the spray solution to remain in a nurse tank, spray tank, airplane without constant agitation. After SUL-PREME[®] dries, it will not redisperse. Do not allow dried flakes of SUL-PREME[®], for example from the lip of a mixing tank, to contaminate a fresh spray tank.

Screens: It is recommended a 40 mesh in-line strainer be used on the suction side of the pump.

Spray Tips: Many applicators use flat fan spray tips or a TwinJet[®] spray tip or the dual-nozzle system, using two flat fan sprays.

Clean-Up: Flush the spray equipment thoroughly with caustic, non-foaming detergent immediately following application. Once SUL-PREME[®] dries on a surface, it is very difficult to remove. Sulfur in any form can be corrosive. Protect your equipment by removing residue immediately.

Contents

Sulfur.....53%
Other ingredients.....47%

SUL-PREME[®] contains 6 lbs of sulfur per gallon.

Technical Specifications

Product class	fungicide
Formulation	liq. flowable
Weight/ gallon	11.5 pounds
Specific gravity	1.38
pH	6.5 to 7.5
Solubility in water	negligible
Appearance	pale yellow suspension
Odor	faint rotten eggs
Min. storage temp.	32°F*
Container size	2 x 2.5 gallons, 220 gallon mini-bulk

* do not allow to freeze

This bulletin provides some technical information and is not intended to give complete information for all applications. Always read and follow label directions.

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TwinJet is a registered trademark of Spray Systems.
Cascade is registered trademark of Procter and Gamble.

