

# POLY SULFUR

*Proteinated Elemental Sulfur  
Foliar or Fertigation*

### Triple Acting

Unique formulation provides nutritional benefit from sulfur, potassium and amino acids. The amino acids perform as a bio-stimulant effect to several plant metabolic pathways. Plant defense activity is provided from sulfur and provides effective activity for both, fungicidal and acaricidal action.

### Fungicidal and Acaricidal

The specific fungicidal activity is effective against powdery mildew and cladosporiosis (scab, rust, shot hole, tomato mold). Acaricidal activity is provided against red mite, white mite and rusty mites.

### Compatibility

Formulated for either foliar or fertigation application on both agricultural or horticultural tree crops, may be tank mixed with bio-stimulants, N-P-K fertilizer, Super Kote Crop Oil (vegetable oil) and Seaweed Extract.

### Dosage

Foliar application use 2 to 3 Kg./HA.

For fertigation to make the amino acid nitrogen available as a probiotic for soil microbes use 10 to 20 Kgs./HA.

### Soil Acidification

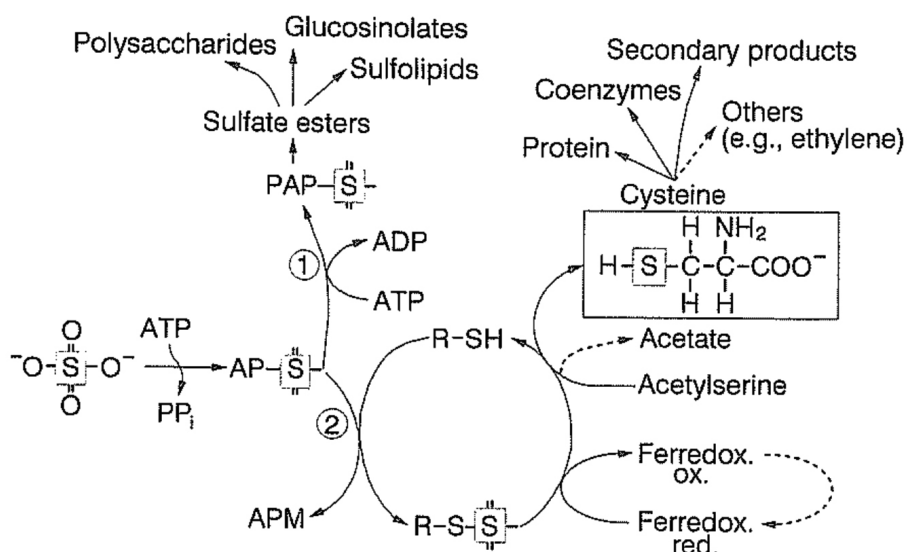
Poly Sulfur contains 0.468 Kg elemental sulfur per liter and with an average particle size of 1.5 microns, Poly Sulfur is incorporated quickly into the soil profile, so the oxidation by soil microbial activity can occur in a timely manner.



### ANALYSIS

- 1.5% Organic Nitrogen (N)
  - 4% Soluble Potash (K<sub>2</sub>O)
  - 33% Sulfur Elemental (S)
  - 10% Organic Carbon
- Density 1.419 (11.84 Lb./Gal.)

### Pathways of Sulfur Assimilation



**Pathways of Sulfur Assimilation** in higher plants and green algae. (1) Synthesis of sulfate esters; (2) sulfate reduction according to the APS pathway. (Based on Schiff, 1983 and Schmidt and Eiger, 1992.)

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## Additional Application Rates

Before using previously untried spray materials, we recommend conducting a test spray on several plants to determine phytotoxicity prior to full scale application

Field & Vegetable Crop	Disease / Pest	Dosage	Notes
Broccoli, Brussel Sprouts Cabbage, Cauliflower	Powdery mildew, rust, red spider mite, two spotted mite Atlantic & Pacific mite	4 to 8 pints/Acre	Apply at early leaf stage and repeat every 10 to 14 days as needed.
Cucumber, squash	Powdery mildew	3 to 6 pints/Acre	Apply every 14 days as Needed. Do not apply if daytime temperature exceeds 90° F, cucurbits are sensitive to sulfur injury.
Grapes	Powdery mildew	1.5 to 3 pints/ 100 gallon, 8 pints/Acre max.	First application when shoots are 6 to 8 inches long, 2nd spray when shoots are 12 to 15" long, third at bloom stage.
Peanut	Rust	3 to 6 pints / 100 gallon 8 pints/Acre max.	1st application 6 weeks after planting, then at 7 to 10 day intervals as needed. Use sufficient water for full coverage,
Peas	Powdery mildew, Septoria leaf spot		
Pepper	Powdery mildew. Red spider} Mite	4 to 8 pints/acre	Apply at early leaf stage and repeat at 10 to 14 day intervals as needed.
Potato	Powdery mildew		
Onion, Garlic Shallots	Powdery mildew Petrobia mite	4 to 8 pints/acre	Apply when disease first appears, repeat as needed.
Tomatoes	Russet mite Powdery mildew	3 to 6 quarts/acre	Apply with sufficient water for full coverage spray.
Spinach	Powdery mildew Rust	4 to 9 quarts/acre	Apply when disease first appears, then again at 7 to 10 day intervals as needed.
Field & Vegetables			
Beans, dry, green snap Lima, colored	leaf spot, rust Powdery mildew	6 to 12 pints/ acre	Apply at early leaf stage and repeat at 14-day intervals as needed.
Berries			
Strawberries	Powdery mildew	1.5 pints/acre	Apply at first sign of infection and repeat at 14-day intervals as needed.

	<b>Disease / Pest</b>	<b>Dosage</b>	<b>Notes</b>
Black , Boysenberries Blue, Rasp, Currants	Powdery mildew	6 to 15 quarts acre	Apply before blossom and continue at 10-day intervals as needed
<b>Trees</b>			
Pecans	Powdery mildew, leaf spot , sooty mold, mites	4 to 13 quarts acre	Apply throughout the season as needed.
Cherries, Prunes	Brown rot, leaf spot	2 to 3 pints/100 gallons 1 to 3 pints/ 100 gallons.	Pink bud & bloom spray  Apply at petal fall, shuck and cover sprays
Citrus: Lemon, Lime Orange, Tangerines	Mite  Thrips	1.5 to 7.5 pints/ 100 gal. 4 to 6 pints/100 gallons.	Do not apply within 4 weeks of oil spray. Apply when spring flush is 3 to 4 inches, repeat as needed. Do not apply within 4 weeks of Oil spray.
Mangos	Powdery mildew	30 to 32 quarts/ acre	Apply prior to flowering and at 20 day intervals as needed.
Peach, Nectarines	Powdery mildew, Brown rot, leaf spot.  Scab	2 to 5 pints/100 gallon 1 to 6 pints/100 gallon 6 pints/100 gal.	Apply at pink and bloom  Apply at petal fall, shuck & cover spray. Apply at shuck through harvest, do not apply during high temperatures periods.
Almond	Brown rot, twig blight Leaf spot, rust, scab, Mite, powdery mildew	6 to 25 quarts/ acre	Apply at bloom, early petal fall, repeat as needed every 10 to 14 days.
Avocados	Mite	30 to 32 quarts/ Acre	Apply as needed.
Apple, Pear	Scab  Powdery mildew  Rust, mite	2 to 5 pints/100 gallons 1.5 to 19 pints/ 100 gal. 3.5 to 4.5 pints/ 100 gal. 3 pints/ 100 gal. 3.5 to 4.5 pints/ 100 gal. Plus 1 to 1.5 gal. Superior dormant Oil.	Pre bloom through calyx sprays  Cover sprays  Pre bloom through calyx sprays  Cover spray. Dormant, delayed dormant or post-harvest

\*NOTE: Hectare = 2.47 Acres  
Acre = 4047 Square Meters  
Pint = 0.47 Liters  
Quart = 0.95 Liters