

Technical Bulletin

RSA Liquid Copper 5%

RSA MicroTech LLC
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Introduction

RSA Liquid Copper 5% can be used to correct copper deficiencies in plants. RSA Liquid Copper 5% is a lignosulfonate and is a premium formulation derived from copper nitrate and copper sulfate. RSA Liquid Copper 5% contains 2% nitrogen for improved nutrient uptake. RSA Liquid Copper 5% is an organic complex which has been successfully used for foliar applications for more than 30 years.

Symptoms

Symptoms of copper deficiency include:

- Yellowing and chlorosis of leaf margins
- Dwarfing of plants with an inward rolling of leaves which develop a blue-green appearance
- Leaf tips wither and droop, turn yellow and die.



Function of Copper in Plants

Copper functions include:

- A coenzyme in several enzyme systems including tyrosinase, polyphenol oxidase, ascorbic acid oxidase and cytochrome oxidase
- Involvement in building and converting amino acids to proteins
- Chlorophyll formulation

Crops Labeled

Berries: blueberry, raspberry, strawberry

Nut Crops: almond and other nut crops

Grain and Other Crops: alfalfa, barley, canola, corn, hops, mint, sorghum, sweet corn, rice, wheat, and cotton

Legume Vegetables: (including but not limited to) bean (all types), broad bean (fava bean), chick pea (garbanzo bean), guar, jackbean, lablab bean, lentil, pea (all types), peanut, pigeon pea, soybean and sword bean

Vegetables: broccoli, cabbage, cauliflower, carrot, celery, lettuce, onion, pepper, potato

Tree and Fruit Crops: apple, citrus, grape, peach, plum and other tree fruits.

Use Rates and Timing

RSA Liquid Copper 5% is most often recommended at 1/2 to 3 quarts per acre as a foliar application. Apply it early in the growing season.

Storage

Store in stainless steel, fiberglass, polyethylene, or certain other plastic materials.



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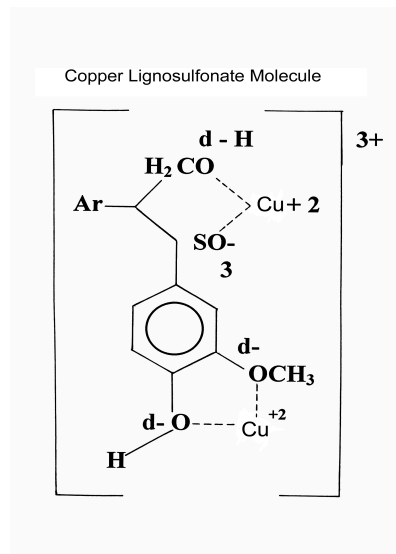
Guaranteed Analysis 2-0-0

Nitrogen (N).....2.0%
 0.5% Nitrate nitrogen
 1.5% Urea nitrogen

Sulfur (S).....2.0%
Copper (Cu).....5.0%
Arsenic (As).....<5 ppm
Cadmium (Cd).....<5 ppm
Lead (Pb).....<5 ppm

Derived from urea, copper nitrate, and copper sulfate. The copper in this product is complexed with lignosulfonate.

Technical Specifications



Product class	fertilizer
Formulation	liquid
Weight/ gallon	9.8 pounds
Specific gravity	1.18
pH (5% solution)	2.5
Solubility in water	miscible
Appearance	clear/dark brown
Odor	none
Min. storage temp.	32°F
Container size	bulk 250 gallon mini-bulks 2 x 2.5 gallon package

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

Liquid Copper 5% is manufactured for RSA MicroTech, LLC.

