

Technical Bulletin

RSA Liquid Magnesium 4%

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Introduction

RSA Liquid Magnesium 4% can be used to correct magnesium deficiencies in plants. RSA Liquid Magnesium 4% is a lignosulfonate. It is a premium formulation derived from magnesium nitrate and magnesium sulfate. RSA Liquid Magnesium 4% contains 2% nitrogen for improved nutrient uptake. RSA Liquid Magnesium 4% is a lignosulfonate which has been successfully used in foliar applications for more than 30 years.

Symptoms

- General loss of green color starting at the bottom leaves and later moving up the stalk. Veins of leaves remain green.
- Stalks are weak and roots are large and bunched.
- Corn plants develop striped appearance, light yellow or white between the parallel veins.



Function of Magnesium in Plants

- Essential part of chlorophyll
- Necessary for sugar formulation
- Regulates uptake of other plant nutrients
- Active in the translocation of starches
- Acts as a carrier of phosphorus in the plant

Crops Labeled

Berries: blueberry, raspberry, strawberry

Nut Crops: almond and other nut crops

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

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

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

Use Rates and Timing

RSA Liquid Magnesium 4% is most often recommended at 1 to 3 quarts per acre as foliar application. Apply early in the growing season.

Storage

Store RSA Liquid Magnesium 4% in stainless steel, fiberglass, polyethylene, or certain other plastic materials.



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RSA Liquid

Magnesium 4%

Contents

Guaranteed Analysis 2-0-0

Nitrogen (N).....2.0%

1.2% Nitrate nitrogen

0.8% Urea nitrogen

Sulfur (S).....4.0%

Magnesium (Mg).....4.0%

Arsenic (As).....<5 ppm

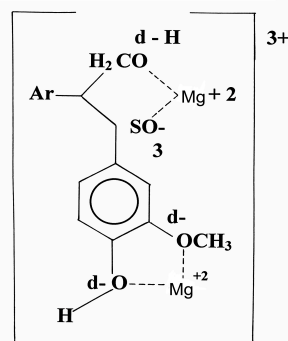
Cadmium (Cd).....<5 ppm

Lead (Pb).....<5 ppm

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

Technical Specifications

Magnesium Lignosulfonate Molecule



Product class	fertilizer
Formulation	liquid
Weight/ gallon	10.7 pounds
Specific gravity	1.28
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 Magnesium 4% is manufactured for RSA MicroTech, LLC.

