

Technical Bulletin

RSA Liquid Iron 5%

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Introduction

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

Symptoms

Major symptoms of iron deficiency include:

- Severe chlorosis – yellowing of leaf tissue with veins remaining green finally becoming “bleached-out”
- In grasses – leaves will show chlorotic striping
- Stunted growth with severe deficiencies.



Function of Iron in Plants

There are a number of functions or processes that iron is a part of in plants including:

- Essential for chlorophyll development and function
- Functions in the respiratory enzymes.
- Serves to transfer energy in the plant
- Functions in the formulation of some proteins.

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 Iron 5% is most often recommended at 1 to 3 quarts per acre as a foliar application. Apply early in the growing season.

Storage

Store RSA Liquid Iron 5% in stainless steel, fiberglass, polyethylene, or certain other plastic materials.



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Contents

Guaranteed Analysis 2-0-0

Nitrogen (N).....2.0%
1% Nitrate nitrogen
1% Urea nitrogen

Sulfur (S).....2.0%

Iron (Fe).....5.0%

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

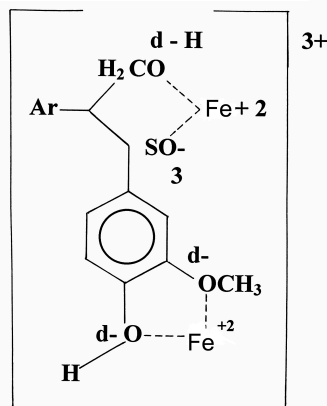
Cadmium (Cd).....<5 ppm

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

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

Technical Specifications

Iron Lignosulfonate Molecule



Product class	fertilizer
Formulation	liquid
Weight/ gallon	9.7 pounds
Specific gravity	1.16
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 Iron 5% is manufactured for RSA MicroTech, LLC.

