

# Technical Bulletin

## RSA Liquid Zinc 7%

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### Introduction

RSA Liquid Zinc 7% can be used to correct zinc deficiencies in plants. RSA Liquid Zinc 7% is a lignosulfonate. It is a premium formulation with a high sulfur to zinc ratio. RSA Liquid Zinc 7% contains 2% nitrogen for improved nutrient uptake. RSA Liquid Zinc 7% is an organic complex which has been successfully used for foliar applications for more than 30 years.

### Symptoms

Major symptoms of zinc deficiency in corn include:

- shortened internodes
- stunted growth
- yellow to whitish streaking in the leaves (see pictures to the right)
- reddish streaks on stalk near base with severe deficiency.

### Function of Zinc in Plants

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

- precursor of auxins
- synthesis of chlorophyll and functions in photosynthesis and nitrate assimilation
- activating enzymes in protein synthesis and grain formation
- seed formation and maturity.

### 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 Zinc 7% 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 Zinc 7% in a stainless steel, fiberglass, polyethylene, or certain other plastic materials.

### Contents



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Guaranteed Analysis 2-0-0

Nitrogen (N).....2.0%  
2% Urea Nitrogen

Sulfur (S).....4.0%

Zinc (Zn).....7.0%

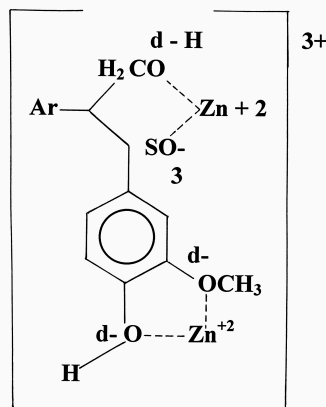
Arsenic (As).....<5 ppm

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

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

Derived from urea and zinc sulfate. The zinc in this product is complexed with lignosulfonate

ZINC LIGNOSULFONATE MOLECULE



<b>Product class</b>	fertilizer
<b>Formulation</b>	liquid
<b>Weight/gallon</b>	10.6 pounds
<b>Specific gravity</b>	1.27
<b>pH (5% solution)</b>	2.5
<b>Solubility in water</b>	miscible
<b>Appearance</b>	clear
<b>Odor</b>	slight ammonia
<b>Min. storage temp.</b>	32°F
<b>Container size</b>	
	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 Zinc 7% is manufactured for RSA MicroTech, LLC.

## Technical Specifications

