

Technical Bulletin

RSA Foliar Zinc

RSA MicroTech, LLC
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Introduction

Zinc (Zn) is probably one of the most universally deficient micronutrients in pecan and cotton production. Zinc controls the production of indoleacetic acid which is a plant growth regulator that controls such plant processes as: root formation and proliferation, fruiting intensity, fruit size, overall plant growth (cell division), and other important plant processes.

Zinc uptake from the soil is usually much slower early in the growing season due to colder soil temperatures. This is an excellent time for the application of RSA Foliar Zinc

RSA Foliar Zinc can be applied to any food or fiber crop where the addition of a highly available form of zinc may be beneficial.

Specially Formulated

RSA Foliar Zinc is a specially formulated liquid fertilizer for foliar applications. It contains 5% nitrogen (N) and 10% zinc (5-0-0-10 Zn) in a highly available form for immediate uptake and translocation by plants.

RSA Foliar Zinc was initially developed for pecans because many zinc sources were not absorbed and translocated within the pecan tree. However, over time, it was discovered that cotton grown on alkaline soils historically low or deficient in zinc exhibited tremendous response to RSA Foliar Zinc, even on soil with a pH less than 7.

Research has shown that RSA Foliar Zinc is absorbed into the plant within a few

hours after application and is translocated throughout the plant immediately thereafter. The nitrogen to zinc ratio of 1:2 provides greater uptake and with minimal potential for phytotoxicity.

Crops Labeled

Berries: blueberry, strawberry

Nut Crops: pecan, English walnut and others

Tree and Fruit Crops: apple, cherry, citrus, stone fruits, avocado

Other Crops: cucurbits, cotton, carrot, corn, cereals, flax, lettuce, pepper, potato, tomato

Use Rates and Timing

RSA Foliar Zinc is most often recommended at 1 pint to 2 quarts per acre. Consult the label for timing with each crop.



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Precautions

This product is acidic and injurious to eyes and skin. In case of contact with eyes and/or skin, immediately flush with plenty of water and seek medical attention. Use eye protection and protective clothing, when handling undiluted product, to minimize exposure. Clean all equipment before and after use.

Contents

Guaranteed Analysis

5-0-0

Total Nitrogen5.0%

4.0% nitrate nitrogen

1.0% urea nitrogen

Zinc.....10.0%

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

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

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

Derived from urea and zinc nitrate.

Technical Specifications

Product class	fertilizer
Formulation	liquid
Weight/ gallon	11.1 pounds
Specific gravity	1.33
pH	1-2
Solubility in water	miscible
Salt Out Temperature	20°F
Appearance	light blue
Odor	odorless
Min. storage temp.	32°F – when
packaged	
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.

RSA Foliar Zinc is manufactured for RSA MicroTech, LLC.

