

Technical Bulletin

RSA Ruffin-Redy® Crop Mix 1

RSA MicroTech, LLC
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Introduction

Ruffin-Redy® Crop Mix 1 can be used to correct zinc, manganese and copper deficiencies in soils and plants. **Ruffin-Redy® Crop Mix 1** is chelated with citric acid and EDTA acid. **Ruffin-Redy® Crop Mix 1** contains 5% Zn, 3% Mn, and 1% Cu in a fully chelated form readily available to plants. It is recommended for use as an additive in liquid fertilizer and can also be used as a foliar spray. **Ruffin-Redy® Crop Mix 1** is compatible with herbicides, insecticides and most agricultural chemicals that may be utilized in combination with liquid fertilizer.

Benefits

Zinc is used in over 100 plant enzymes and is vital for overall growth and high yields. Indeterminant plants require zinc prior to flowering and determinant plants require zinc during the entire flowering period.

Manganese is essential for legume growth and color of foliage and fruits. It is also involved in the resistance of patch diseases in turf grasses and take-all disease in small grains.

Copper is vital for disease resistance and color of foliage and fruits. Copper improves the polyphenyloxidase system that aids in disease resistance. Foliar copper applications thicken plant cuticles and the waxy surface of fruits such as peppers.



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, 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

Ruffin-Redy® Crop Mix 1 is most often recommended at 1 to 3 quarts per acre for soil applications and 1 to 3 pints for foliar. It may be used for foliar or soil applications. However, foliar applications should only be made when local experience supports this use.

Ruffin-Redy® Crop Mix 1 can be applied alone or in combination with liquid fertilizer for pre-plant, starter or side-dress applications. For most effective treatment of



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row crops, make soil applications in a band at planting or as a side-dress shortly after planting.

Container size

bulk
250 gallon mini-bulks
2 x 2.5 gallon package

Contents

GUARANTEED ANALYSIS

5-0-0

Total Nitrogen.....5.0%

5.0% Ammoniacal Nitrogen

Sulfur (S) combined.....2.0%

Copper (Cu),,,,,,,,,,,,,,.....1.0%

1.0% Chelated Copper (Cu)

Manganese (Mn).....3.0%

3.0% Chelated Manganese (Mn)

Zinc (Zn),,,,,,,,,,,,,,.....5.0%

5.0% Chelated Zinc (Zn)

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

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

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

Derived from ammonia, copper chloride, manganese sulfate, zinc chloride. Chelating agents: citric acid and EDTA.

Chlorides not more than 6.0%

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

Ruffin-Redy is a registered trademark of RSA MicroTech, LLC.

Technical Specifications

Product class	fertilizer
Formulation	liquid
Weight/ gallon	11.0 pounds
Specific gravity	1.319
pH	7.5 to 8.0
Solubility in water	miscible
Appearance	blue
Odor	slight ammonia
Min. storage temp.	20°F
If packaged store above 32°F.	

