

Technical Bulletin

Platinum 7.5% Copper EDTA

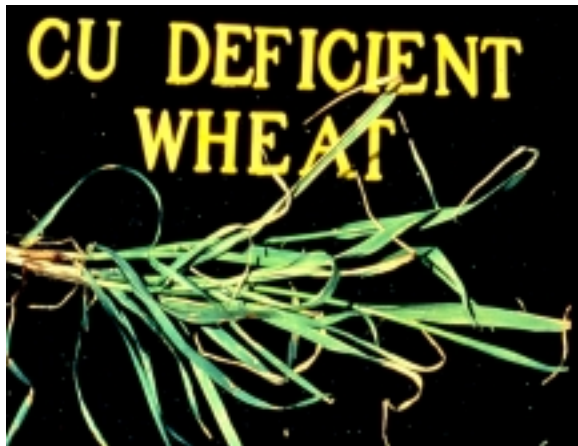
Introduction

Platinum 7.5% Cu EDTA can be used to correct copper deficiencies in soils and plants. Platinum 7.5% Cu EDTA is fully chelated with EDTA acid and is widely recognized as excellent source of copper for soil applications. Platinum 7.5% Cu EDTA has low use rates and is compatible with liquid fertilizers containing polyphosphates and orthophosphates.

Symptoms

Symptoms of copper deficiency include:

- Wilting or lack of turgor
- Bluish green tint to leaves
- Leaf tips look as if frost bitten.



Function of Copper in Plants

Copper has many functions in the plant. It is important due to it's:

- Function as a coenzyme in several enzyme systems including tyrosinase, polyphenol oxidase, ascorbic acid oxidase and cytochrome oxidase

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- Involvement in building and converting amino acids to proteins
- Functions in chlorophyll formulation.

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

Platinum 7.5% Cu EDTA is most often recommended at 1/2 to 2 quarts per acre. It may be used for foliar or soil applications. However, foliar applications should only be made when local experience supports this use.

Platinum 7.5% Cu EDTA can be used alone or in combination with liquid fertilizer for pre-plant, starter or side-dress applications. For the most effective treatment of row crops, make soil applications in a band at planting or as a side-dress shortly after planting.

Storage

Store in stainless steel, fiberglass, polyethylene, or certain other plastic materials. Copper or any of its alloys (brass or bronze) should never be used in any chelate handling system. Aluminum tanks are not recommended for storage. Check



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with equipment manufacturer for compatibility of components prior to use with this product. NOTE: Do not mix or contaminate any EDTA type chelates with strong acid materials.

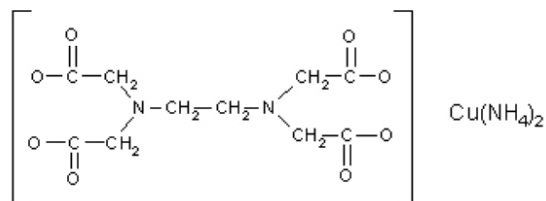
Contents

Guaranteed Analysis 7-0-0

Nitrogen (N).....	7.0%
4% Ammoniacal nitrogen	
3% Other water soluble nitrogen	
Copper (Cu).....	7.5%
7.5% chelated Cu	
Arsenic (As).....	<5 ppm
Cadmium (Cd).....	<5 ppm
Lead (Pb).....	<5 ppm

Derived from copper diammonium EDTA.

Technical Specifications



Product class	fertilizer
Formulation	liquid
CAS number	67989-88-2
Formula	EDTA-Cu (NH4)2
Molecular Weight	387.8
Weight/ gallon	10.5 pounds
Specific gravity	1.26
pH (5% solution)	7.5
Solubility in water	miscible
Appearance	dark blue
Odor	slight ammonia
Min. storage temp.	25°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.

Platinum 7.5% Cu EDTA is manufactured for RSA MicroTech, LLC.

