

Technical Bulletin

Platinum 3% Calcium EDTA

Introduction

Platinum 3% Ca EDTA can be used to correct calcium deficiencies in soils and plants. Platinum 3% Ca EDTA is fully chelated with EDTA acid and is widely recognized as excellent source of calcium for soil applications. Platinum 3% Ca EDTA has low use rates and is compatible with liquid fertilizers containing polyphosphates and orthophosphates.

Symptoms

Symptoms of copper deficiency include:

- Roots are short and very bunched
- Leaves have a wrinkled appearance
- Young leaves and terminal buds are hooked or distorted in appearance and then die back at the tips and along the margins
- In some case, young leaves never unfold.



Function of Calcium in Plants

Calcium is an integral nutrient in plant health. Plants only use the exchangeable calcium ion (Ca^{++}). Calcium contributes to:

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- promoting early root formation and growth and cell wall integrity
- improved general plant vigor and stiffness of stalks
- improved grain and seed production
- increased calcium content of food and feed crops
- intake of other nutrients.

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 3% Ca EDTA is most often recommended at 1/2 to 4 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 3% Ca 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.

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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. Check 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.

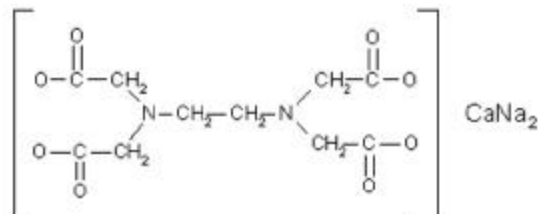
Contents

Guaranteed Analysis 2-0-0

Nitrogen (N).....	2.0%
2% Other Water Soluble Nitrogen	
Calcium (Ca).....	3.0%
3% chelated Ca	
Arsenic (As).....	<5 ppm
Cadmium (Cd).....	<5 ppm
Lead (Pb).....	<5 ppm

Derived from calcium disodium EDTA.

Technical Specifications



Product class	fertilizer
Formulation	liquid
CAS number	62-33-9
Formula	EDTA- $CaNa_2$
Molecular Weight	374.3
Weight/ gallon	9.8 pounds
Specific gravity	1.18
pH (5% solution)	7.5
Solubility in water	miscible
Appearance	clear to light yellow
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.

Platinum 3% Calcium EDTA is manufactured for RSA MicroTech, LLC.

