

Technical Bulletin

Platinum Manganese EDTA 13%

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Introduction

Platinum Manganese EDTA 13% is intended for use as a plant nutrient supplement to correct manganese deficiencies. It performs best in soil applications where the soil pH is 4.0 to 9.0.

Platinum Manganese EDTA 13% can be used in hydroponics, soil fertigation and as a foliar application. It is compatible with a wide range of fertilizer materials, herbicides, fungicides, and other pesticides.

Platinum Manganese EDTA 13% is well suited for use in greenhouses using soil and soil-less media. Chelation of manganese is essential in using soil-less media. The chelating agent should be chosen carefully based on the pH stability of the growing system.

Benefits

Platinum Manganese EDTA 13% provides these benefits:

- Ease of use and in the form of a soluble micro granule
- Greater versatility in any application system without blocking drip tape or emitters
- Optimum stability
- Greater efficiency and compatibility.

Recommended Crops

Berries: blueberry, strawberry

Nut Crops: pecan, walnut and other nut crops

Grain and Other Crops: canola, corn, cotton, edible beans rice, sorghum, soybean, wheat

Vegetables: broccoli, cabbage, cauliflower, carrot, celery, lettuce, melon, onion, pepper, potato, tomato

Tree and Fruit Crops: apple, avocado, cherry, citrus, grape, peach, plum and other tree fruits

Commercial Nursery and Ornamental Crops, and Turf.

Use Rates and Timing

Platinum Manganese EDTA 13% may be applied in pivot, sprinkler, overhead, drip, and solid set irrigation. For the best results, apply within 2 weeks of planting and before flowering using 0.5 to 2 pounds per acre or the dosage rates and timing as recommended for each crop.

Platinum Manganese EDTA 13% may be mixed with most liquid fertilizers or pesticides before injection into the irrigation water. Use a back-flow check valve to prevent the material from getting in the water supply.



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Precautions

Avoid extreme temperatures. Keep in original packing. Keep product in a dry place. When mixing, use tanks made of stainless steel, fiberglass, polyethylene, or other plastic materials.

Contents

GUARANTEED ANALYSIS

7-0-0

Total Nitrogen.....7.0%

7.0% Other Water Soluble Nitrogen

Manganese (Mn).....13.0%

13.0% Chelated Manganese

Arsenic (As).....<0.003%

Cadmium (Cd).....<0.002%

Lead (Pb).....<0.001%

Derived from manganese EDTA.

Technical Specifications

Product class	fertilizer
Common Name	ethylenediamine-tetraacetic acid disodium manganese
CAS number	15375-84-5
Formula	EDTA-MnNa ₂
Molecular Weight	389.1
Appearance	off white micro granule
Bulk Density (loose)	0.6g/ml
pH (1% solution @25°C)	6.5
Solubility (g/100ml) 20°C	50
Packaging	10 lb boxes 96 boxes per pallet

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

Platinum Manganese EDTA 13% is distributed by RSA MicroTech, LLC.

