



# Manganese EDTA (6.0%)

## Product Specifications:

Manganese EDTA 6% is a fully chelated liquid manganese source that is specially formulated to contain (Mn), an essential micronutrient for crops, turf, and ornamentals. (Mn) is used in cellular plant growth above and below the soil. It can be used when a plant's nutritional needs are highest at flowering, fruiting, or when under duress.

## Product Features:

- High Purity Manganese
- Corrects and/or prevents Manganese deficiency in crops
- Foliar, Soil, Irrigation Water Applications
- Compatible with liquid suspension fertilizers

## Derived From:

- Domestically sourced manganese from recycled alkaline batteries.
- Anhydrous Ammonia
- Ethylenediaminetetraacetic acid (EDTA).

## Caution:

While Manganese EDTA (6.0%) is compatible with most liquid fertilizers, a small scale compatibility (jar) test should be conducted prior to use.

Do not store below 45°F.

## Catalytic Innovations, LLC

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## Guaranteed Analysis:

Total Nitrogen (N).....	6.6%
Ammoniated Nitrogen.....	3.3%
Other Soluble Water Nitrogen.....	3.3%
Manganese (Mn).....	6.0%
Chelated (Mn).....	6.0%
pH.....	5.0-6.5

## Physical Properties:

Weight per gallon.....	10.8 lbs
Elemental Nitrogen per gallon.....	0.71 lbs
Elemental Manganese per gallon.....	0.65 lbs
Gallons per ton.....	185 gal

**Usage Instructions:** Products should be used based on soil and/or tissue analysis for manganese deficiencies. For application rates and recommendations, consult an agronomist. For regional/crop specific applications, consult your state's recommendations. Ideal application rates vary between field and depends on soil pH, organic matter, and crop type.

**Soil Application:** Can be applied in water or in a liquid fertilizer for a pre-plant starter or side dress applications. The most effective treatment of row crops is soil application in a band at planting time or as a side-dressing shortly after planting.

**Foliar Application:** Dilute 1 gallon of the product with a minimum of 20 gallons of water to prevent phytotoxicity. If mixing with glyphosate or other herbicides, it is recommended to add a source of ammonium sulfate.

**Irrigation Water Application:** Apply 1-4 quarts of product per acre (or as advised by an Agronomist) within 2 weeks of planting and before flowering. Use a back-flow check valve to prevent back-siphoning into the water system.