

# CORE 2.5% MAGNESIUM EDTA



For correction or prevention of magnesium deficiency in agricultural crops, vegetable crops, turf, and ornamentals

**0-0-9**

## GENERAL INFORMATION

Chelate products are specially formulated with low use rates and great results. Apply chelates to make fertilizer components more available for root uptake and remain long enough to help the plant utilize nutrients over time.

Core 2.5% Magnesium EDTA is a fully chelated, plant available, liquid secondary nutrient(s) and ethylenediaminetetraacetic acid chelating agent for use in vegetable crops, field crops, trees, vines, turf and ornamentals. CORE 2.5% MAGNESIUM EDTA, when used along with a sound fertility program, assures that the nutritional demands of the plant are satisfied during the critical first 30 days of growth in the cool, wet soils of early spring.



## GUARANTEED ANALYSIS:

<b>Soluble Potash (K<sub>2</sub>O)</b> .....	<b>9.0%</b>
<b>Magnesium (Mg)</b> .....	<b>2.5%</b>
<b>2.5% Chelated Magnesium</b>	

*Derived from: Potassium Hydroxide and Mg EDTA.*

## Function of Magnesium in Plants

There are a number of functions or processes that magnesium is part of in plants including:

- Active in the translocation of starches
- Acts as carrier of phosphorus in the plant
- Regulates the uptake of other plant nutrients
- Necessary for sugar formulation
- Essential part of chlorophyll

## USE RATES AND TIMING

Core 2.5% Magnesium EDTA is compatible with most pesticides as well as Orthophosphates, APP or liquid N fertilizers commonly used in "2x2" placement as starter fertilizer, in a band, or in broadcast application. NOTE: Foliar application alone should not be a substitute for soil application. However, if foliar application is required, Core 2.5% Magnesium EDTA may be applied 30 days after planting and before flowering to correct deficiency. Application rates and dilution factors will vary and depend on crop sensitivity and amount of foliage to be sprayed. Dilute in a minimum of 50 gallons of water. If there is any doubt, apply the spray solution to a small test area of the crop or foliage to assess any undesirable effects or phytotoxicity before general application. Always conduct a jar test with new tank mixes to verify compatibility.

## Product is available from Humboldt, TN

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

## Product Specs

<b>Product class</b>	fertilizer
<b>Chemical Formula</b>	K <sub>2</sub> Mg EDTA
<b>CAS:</b>	15708-48-2
<b>Appearance</b>	Clear, colorless solution
<b>Specific gravity</b>	1.25
<b>Solubility in water</b>	miscible
<b>Odor</b>	no odor
<b>Formulation</b>	liquid
<b>Molecular Weight</b>	390.75
<b>Weight/gallon</b>	10.4 lbs
<b>pH (5% solution)</b>	7.5
<b>Appearance</b>	clear to pale yellow
<b>Min. storage temp.</b>	32°F

**Package Sizes:** Bulk, 275 gallon mini-bulks and 2 x 2.5 gallon package



**FOR MORE INFORMATION, LABELS, MSDS and a COMPLETE PRODUCT LIST:**

- log onto [www.CoreAgri.com](http://www.CoreAgri.com)
- contact your sales representative
- or call: 731-784-0605

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