

# Tech Sheet

## Mor-Gro 7.5% Copper EDTA

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### Introduction

**MOR-GRO 7.5% Copper EDTA** is a fully chelated, liquid micronutrient specifically formulated which has low use rates and is compatible with liquid fertilizers containing polyphosphates and orthophosphates. This product is a stable copper chelate and is sodium free. **MOR-GRO 7.5% Copper EDTA** is recommended for all crops that require copper usage.



### Function of Copper in Plants

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

- A coenzyme (partner) in several enzyme systems including tyrosinase, polyphenal oxidase, ascorbic acid oxidase and cytochromoe oxidase – involved in building and converting amino acids to proteints
- Functions in chlorophyll formulation

### Use Rates and Timing

**MOR-GRO 7.5% Copper EDTA** is most often recommended is most often recommended at 1/2 to 2 quarts per acre. It may be used for foliar or soil applications. For additional information please consult the label and application guide.

### Storage

Store this product 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 of this product.

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### Contents

Typical Analysis

7-0-0

Total Nitrogen (N).....7.0%

4.0% Ammoniacal Nitrogen

3.0% Other Water Soluble Nitrogen

Copper (Cu).....7.5%

7.5% chelated Copper

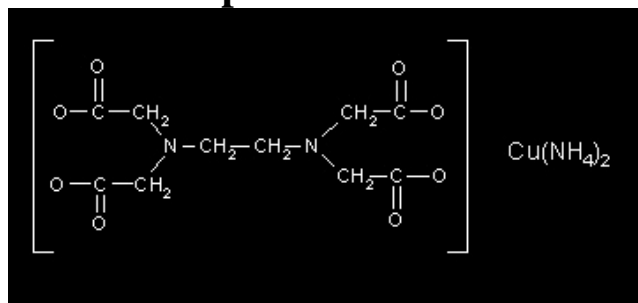
Plant nutrients derived from Diammonium Copper Ethylenediaminetetraactate

Arsenic (As).....<5 ppm

Cadmium (Cd).....<5 ppm

Lead (Pb).....<5 ppm

### Technical Specifications



<b>Product class</b>	fertilizer	<b>Formulation</b>	liquid
<b>Chemical Formula</b>	(NH4) <sub>2</sub> Cu EDTA	<b>Molecular Weight</b>	387.8
<b>CAS:</b>	67989-88-2	<b>Weight/gallon</b>	10.5 pounds
<b>Specific gravity</b>	1.26	<b>pH (5% solution)</b>	7.5
<b>Solubility in water</b>	miscible	<b>Appearance</b>	dark blue
<b>Odor</b>	slight ammonia	<b>Min. storage temp.</b>	32°F
<b>Container size</b>	Bulk, 250 gallon mini-bulks, 30 gal drums, 5 gal pails, 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.

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