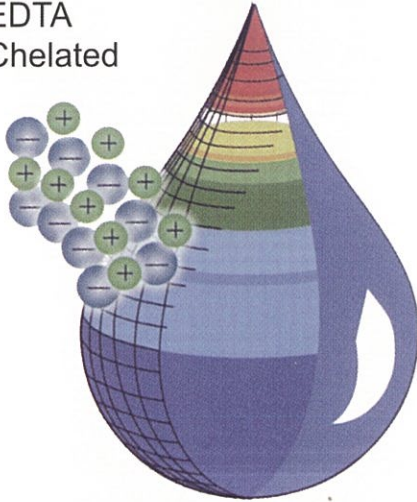


# MAXI-PLEX

## MICRONUTRIENTS

*Fully Chelated For Soil Or Foliage*

EDTA  
Chelated



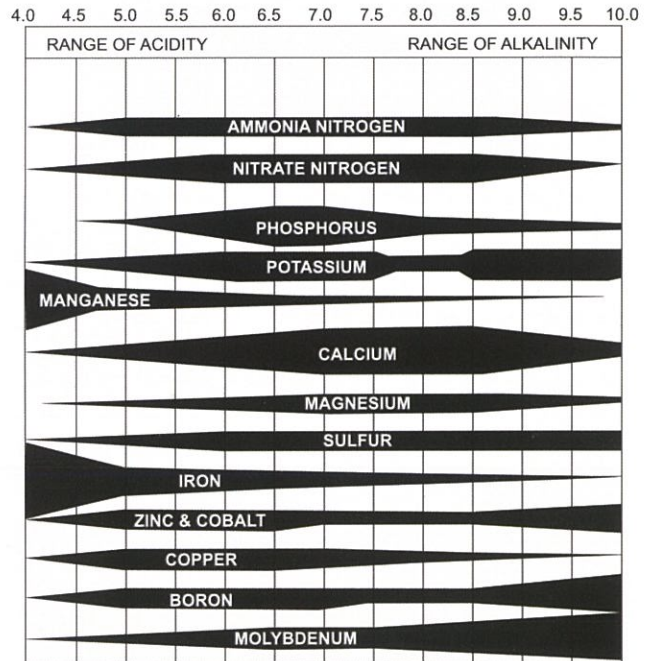
With increasing crop yields and the use of high yielding hybrids, micronutrients are becoming more important for production of maximum yields. High fertilizer N-P-K application without the corresponding correct ratio of micronutrients can and will reduce yields.

Prevention of micronutrient deficiencies in crops is preferable to correcting a hidden deficiency after it has occurred during the growing season. MAXI-PLEX provides a full spectrum of micronutrients for prevention or correction of mineral nutrient deficiencies.

MAXI-PLEX has been found to be 5 to 10 times more efficient than non-chelated micronutrient complexes and amino acid micronutrient complexes.

### MAXI-PLEX EDTA provides:

- Availability in acidic or alkaline conditions.
- Fully chelated, remains available and mobile to move freely in soil solution or translocate within the plant.
- Compatible with phosphates, pesticides, fungicides - requires no special mixing procedures.
- Stable over all water pH ranges.
- Key to balanced crop growth, fertility and increased yields.
- Economical cost offset ratio of efficiency over non-chelated micronutrients.



### The EDTA Chelated Advantage:

**Cool wet weather** - affects field, vegetable, vine and tree crops at early stages of plant growth. Micronutrients most affected are zinc and iron availability. Cool, wet late Winter or early Spring soil conditions limit soil microbial activity and slow release of soil available nutrients. Foliar applications have been found to be beneficial during the transition period from cool wet conditions to higher temperatures.

**High soil pH or free lime soils** - can reduce availability of iron, zinc and manganese. Calcareous soils, high clay soils or soil with carbonate ( $\text{HCO}_3$ ) with pH of 7 or greater can limit micronutrients. Foliar application of MAXI-PLEX tank mixed with pesticides or fungicides efficiently remedy adverse soil conditions.

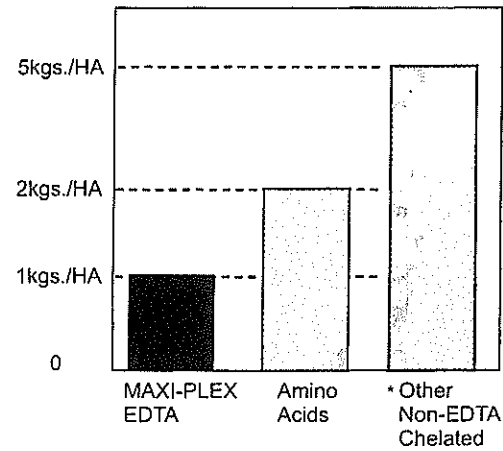
**High organic matter soils** - because of the low mineral fraction percentage, these soils may be deficient in zinc and copper. This can be particularly evident in soils with an organic matter content of 7% or greater. High N-P-K fertilization rates with a heavy crop removal history can aggravate hidden micronutrient deficiencies, which in turn limit crop yields even when there are no visible micronutrient symptoms. Regularly scheduled maintenance application of MAXI-PLEX guard against hidden deficiencies causing reduced yields.

**Soils naturally deficient in micronutrients are:** eroded, terraced, recently leveled for irrigation, sandy soils, some clay soils, sodic or alkali soils can be deficient or out of balance in micronutrients availability. Leach ability of sandy soils or tie-up ability of calcareous soils all lead to deficiencies of nutrients.

Soil tests can determine, with a high degree of accuracy, which mineral nutrients are lacking in soils, however laboratory sample preparation and extraction procedures can not determine soil-plant bio-availability.

Often, micronutrient bio-availability to the plant may be very small in relationship to the total amount in the soil.

Modern farm managers and growers of valuable horticultural and floricultural crops should consider incorporating Grow More MAXI-PLEX as part of their maintenance and prevention strategy for increased yields and improved quality.



\* Other Non-EDTA Chelated Lignosulfonates, Polyflavonoids, Carboxylic or Phenolic Acid

### Nutrient Removal By Crops

CROP	Yield		Mg		Cu		Mn		Zn		Fe	
	Acre	4047 SQ.M	Lbs. / Kgs.	Lbs. / Kgs.	Lbs. / Kgs.	Lbs. / Kgs.	Lbs. / Grams.	Lbs. / Grams.	Lbs. / Grams.	Lbs. / Grams.		
Corn	150 bushels	4,772 kgs	28 12.7	.11 49.8	1.59 721.8	.45 204.3	1.05 476.7					
Oats	80 bushels	1,164 kgs	11 5.0	.06 27.2	.12 54.4	.34 154.3	.80 363.2					
Wheat	60 bushels	1,636 kgs	9 4.0	.05 22.7	.14 63.5	.21 95.3	.45 204.3					
Soybeans	50 bushels	1,363 kgs	34 15.4	.06 27.2	.56 254.0	1.50 681.0	.35 158.9					
Cabbage, heads	20 tons	18,182 kgs	8 3.6	.04 18.1	.10 45.4	.08 36.3	.20 90.8					
Potatoes (white)	600 bushels	16,364 kgs	9 4.0	.03 13.6	.05 22.7	.03 13.6	.20 90.8					
Peanuts	1 ton	910 kgs	8 3.6	.03 13.6	.30 136.2	- -	.25 113.5					
Sugar beets	20 tons	18,182 kgs	7 3.1	.04 18.1	.05 22.7	- -	.04 18.1					
Cotton	3 bales	682 kgs	36 16.3	.23 104.4	.39 177.0	1.61 730.9	.18 81.7					
Tomatoes	20 tons	18,182 kgs	11 5.0	.07 31.7	.13 59.0	.16 72.6	.45 204.3					

Acre for acre / hectare for hectare ... it takes less MAXI-PLEX to do the same job.

**Application Rate:** Suggested application rate 1/2 to 1 Lb. per acre. (500 grams. to 1 Kg. per hectare.)

#### 4-0-0 Guaranteed Analysis

Total Nitrogen (N) -----	4.00%	Iron (Fe) -----	3.50%
4.0% Other Water Insoluble Nitrogen		3.50% Chelated Iron	
Magnesium (Mg) -----	4.00%	Manganese (Mn) -----	4.00%
1.00% Chelated Magnesium		4.00% Chelated Manganese	
3.00% Water Soluble Magnesium		Molybdenum (Mo) -----	0.10%
Boron (B) -----	0.50%	Zinc (Zn) -----	2.00%
Cobalt (Co) -----	0.05%	2.00% Chelated Zinc	
Copper (Cu) -----	1.50%		
1.50% Chelated Copper			

Derived from Magnesium EDTA, Magnesium Sulfate, Boric Acid, Cobalt Sulfate, Copper EDTA, Iron EDTA, Manganese EDTA, Sodium Molybdate & Zinc EDTA.

Information regarding the contents and levels of metals in this product is available by calling 1-800-338-7160 or visiting us at [www.growmore.com](http://www.growmore.com)

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