



## MICROBOOST

### Specially Formulated, Fortified (Naturally Chelated) Microelements

#### FOLIAR FERTILIZERS

**MICROBOOST** - is designed for soil and foliar application, to prevent and correct preexisting deficiencies as indicated by plant leaf and soil testing.

**MICROBOOST** contain the following elements below in varying amounts depending on your crops needs.

- ◆ **Magnesium (Mg)** is essential for chlorophyll pigmentation. It can be considered as a secondary nutrient, rather than a trace nutrient.
- ◆ **Iron (Fe)** Gives green color to plants. Iron is part of the make up of enzymes. It helps in protein synthesis, photosynthesis and the metabolic functions of the plant. Iron is needed for chlorophyll synthesis.
- ◆ **Zinc (Zn)** Speeds up the metabolic rate of the plant. Zinc deficient plants will have impaired cell functions. Zinc is also part of the make up of enzymes.
- ◆ **Manganese (MN)** Manganese is part of the make up of enzymes. It helps in photosynthesis and the metabolic functions of the plant.
- ◆ **Boron (B)** Aids in the metabolic function of the plant and aids in cell division.
- ◆ **Molybdenum (MO)** Molybdenum is part of the make up of enzymes. Helps in metabolic functions of the plant. Molybdenum is also needed for nitrogen fixing bacteria.
- ◆ **Sulfur (S)** Sulfur is part of the make up of enzymes and proteins. Helps in the metabolic functions of the plant.

Micronutrients may have high readings in your soil tests, but are not always available to the roots.

## Typical Analysis:

### Major elements

Total Nitrogen (N): 0.32%  
Available Phosphate (P<sub>2</sub>O<sub>5</sub>): 0.03%  
Soluble Potassium (K<sub>2</sub>O): 0.02%

### Other elements (Chelated Microelements)

Magnesium (Mg): 1.7%  
Sulfur (S): 5.0%  
Iron: (Fe): 3.5%  
Manganese (Mn): 0.75%  
Zinc (Zn): 0.75%  
Molybdenum (Mo): 0.063 ppm  
Cobalt (Co): 0.023 ppm  
Sulfur (S): 0.00379%  
Boron (B): 0.3912 ppm  
Copper (Cu): 0.2126 ppm

### Application rates:

Depending on the nature of the crop, soil, pH, rain, temperature and humidity.

Mix ratio: 2.5 ml/liter of water

Number of applications	3-4 times
Intervals:	Every month
Dose per acre	250 to 400 ml

### Best results:

1. Avoid application at noon or when the temperature is high.
2. Keep off skin.
3. Store away from direct sunlight

## Advantage of organic chelated compounds?

Organic chelates are Superior over EDTA.

Organic chelates making the micronutrients more available.

Organic chelates do a better job as a chelate compared to EDTA

EDTA chelates will pick up or lock out other beneficial elements causing them to be unavailable to the soil

EDTA chelates are synthetic and contains no nutrient value and is not recognized as organic

## **OTHER SPECIAL BLEND OF MICROELEMENTS**

**MicroBoost-Zn:** Two combinations Zn 9% and Zn 7%

**MicroBoost – Fe:** Fe 5%

**MicroBoost – Zn & Mn** Zn 5% and Mn 5%

**MicroBoost – MMZF** Mn 4%. Zn 4%, S 4.75%, Mg 2% Fe 0.5%

***Any Scientific Questions about these products and any soil fertility related problems!!!***

***Please contact:***

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