



## What is **Mic-Ro-Pac** and Why is it Essential to Use on Your Crops?

CL #56

- ❖ **Mic-Ro-Pac** is a “One-Stop-Shop” foliar feed fertilizer and micronutrient mixture perfectly designed for foliar application on field crops, trees and gardens. Using **Mic-Ro-Pac** in “labeled applications” during seasonal plant growth will enhance plants healthiness through fertilizer nutrient and micronutrient sprays needed for total nutrient uptake. Fertilizer nutrient and Micronutrient uptake is essential for growing plants. The right “total nutrient package” is the key to successful farming. **Mic-Ro-Pac** has that “total nutrient package”.
- ❖ **Plant nutrients** in fertilizers are classified as major nutrients and micronutrients. The most important major nutrients are nitrogen (N), phosphorus (P) and potassium (K). Plants require these nutrients in relatively large amounts; inadequate quantities of them will negatively affect plant growth. **Mic-Ro-Pac** has these major plant nutrients for essential growth.
- ❖ **Micronutrients** are essential for plant growth, but plants require relatively small amounts of them. They include copper (Cu), iron (Fe), manganese (Mn), zinc (Zn), boron (B), molybdenum (Mo), and cobalt (Co). **Mic-Ro-Pac** has these key micronutrients for essential growth.
- ❖ **Mic-Ro-Pac** was Designed to Maximize Plant Major Nutrient and Micronutrient Uptake Through Foliar Application:
  - We use only the finest Food-Grade N, P & K for **Mic-Ro-Pac**. Food-Grade nutrients are guaranteed to be clean and not have any foreign residue or contaminants. We know what N, P & K means to plants.
  - We use EDTA (ethylenediamine tetra-acidic acid) micronutrients in **Mic-Ro-Pac**. EDTA micronutrient use on plants is the finest way to make micronutrients available for plant uptake. (see below).
  - **Mic-Ro-Pac** was developed with an acidic pH and when placed into the tank first, it conditions the water and makes for excellent fertilizer/pesticide compatibility.

### THE ROLE OF MICRONUTRIENTS in **Mic-Ro-Pac**:

#### **Copper (Cu)**

Copper is important in building and converting amino acids to proteins. Copper deficient plants will become chlorotic and take on a bleached appearance. New growth may die. **Mic-Ro-Pac** has this important micronutrient.

#### **Iron (Fe)**

Iron deficiency is a plant disorder known as lime-induced chlorosis. Iron is needed to produce chlorophyll. **Mic-Ro-Pac** has this key micronutrient.

#### **Zinc (Zn)**

Zinc is necessary for starch formation and proper root development. It is also essential for seed formation and maturity. **Mic-Ro-Pac** has this needed micronutrient.

#### **Manganese (Mn)**

Manganese is essential to plants and functions in chlorophyll development. **Mic-Ro-Pac** has just the right amount for plant growth.

#### **Boron (B)**

Boron deficiency is the most widespread micronutrient deficiency in the U.S. causing large crop loss. **Mic-Ro-Pac** contains enough essential Boron salts for the growth of higher plants.

#### **Molybdenum (Mo)**

Molybdenum is essential in the plant to form enzymes for activation in utilizing nitrates for plant needs. **Mic-Ro-Pac** has this needed salt.

#### **Cobalt (Co)**

Cobalt as a salt promotes growth in stem and leaf disc expansion. Trace amounts of Cobalt are needed which **Mic-Ro-Pac** has.

### Use Multiple Applications of **Mic-Ro-Pac** for Healthier Plants all Season-Long

Try **HOOK** with **Mic-Ro-Pac**. **HOOK** enables **Mic-Ro-Pac** to spread for maximum coverage, stick in case of rain, penetrate waxy leaves, and being a deposition agent, it allows more even absorption of **Mic-Ro-Pac**. **HOOK** is also known for its lower canopy coverage, which gives bottom leaves, as well as underside of the leaf, access to **Mic-Ro-Pac** thereby providing the means of growth to where photosynthesis is more effective.