

# MicroBlend Soil™ Zn-Mn-Cu

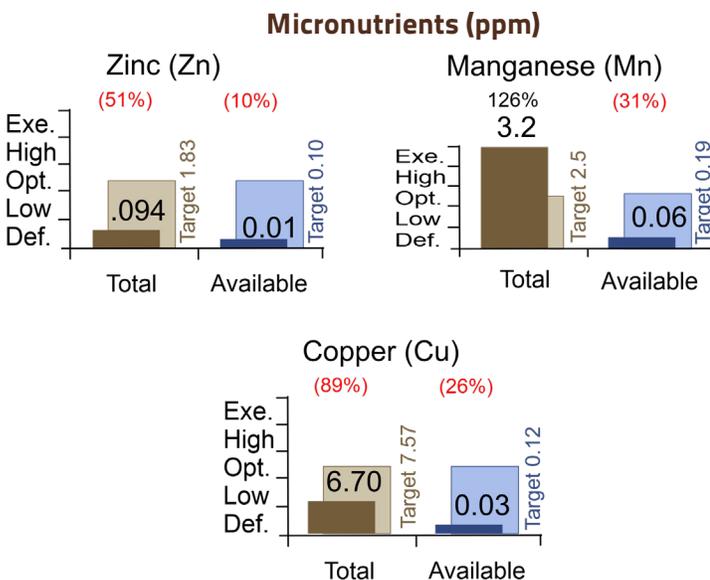
ADVANCED MULTI-MICRONUTRIENT NUTRITION



MicroBlend Soil™ is a premium, soil-applied zinc, manganese and copper product built with a proprietary blend of FBS Transit®, our patented technology, along with various organic compounds that together deliver highly efficient nutrients within the plant. MicroBlend Soil Zn-Mn-Cu is designed to resolve common micronutrient deficiencies in all crops and specially formulated to resolve common springtime, summer and fall deficiencies in orchards, tree nuts, and vineyards. Balanced fertility management is important to ensuring optimal growth, fruit production and quality.

- Improves Fruit Size, Weight, & Quality
- Improves Root & Trunk Recovery After Harvest on Permanent Crops
- Resolves Little Leaf, Rosetting, Chlorosis & Bending of Leaves
- Resolves Problems of Alternate Bearing Years
- Resolves Irregular Bark & Seed or Kernel Development

## MicroBlend Soil Zn-Mn-Cu Feeds The Hidden Hunger in Nearly Every Crop Grown in the West



In the last five years, extensive soil testing on west coast crops has proven that zinc, manganese, and copper are universally low. This product has wide applicability across many crops grown in the western USA. What sets MicroBlend Soil Zn-Mn-Cu apart from other products is the mobility of the nutrients making them more efficient and available to the plant.



# MicroBlend Soil™ Zn-Mn-Cu

## TECHNICAL INFORMATION

### Importance of Zinc in Plants

Zinc is an essential constituent of several important enzyme systems and affects many metabolic processes in the plant. Zinc controls the synthesis of the important plant growth regulator indoleacetic acid, which is crucial for active growing tips and leaf enlargement. When zinc is deficient, terminal growth areas are the first areas to be impacted. Zinc is crucial for stress mitigation and a key part of most antioxidant systems in the plant. It combines with copper to create the plant's most effective response to abiotic stresses. Zinc is also critical in bud differentiation, making it important for long-term productivity in vineyard and orchard crops.

### Importance of Manganese in Plants

Manganese serves as an activator for enzymes in plant growth processes. It assists zinc in many plant functions such as chlorophyll formation. Manganese plays an important role in several of the plant's natural defense mechanisms to biotic and abiotic stress.

### Importance of Copper in Plants

Copper is an essential part of several important enzyme systems in the plant. It's important in the synthesis of lignin and protein. Deficiencies can manifest as twisted leaves, stunted growth, poor pigmentation of leaves and fruit, twisting of the bark and irregular development of shells and kernels on nut crops. Deficiency is most common in neutral or alkaline pH soils that are sandy, low in organic matter content.

## ESSENTIAL ON A WIDE VARIETY OF CROPS



## GUARANTEED ANALYSIS

<b>Sulfur (S)</b> .....	<b>3.0%</b>
<b>Copper (Cu)</b> .....	<b>1.0%</b>
<b>Manganese (Mn)</b> .....	<b>3.0%</b>
<b>Zinc (Zn)</b> .....	<b>3.0%</b>

Derived from: zinc sulfate, manganese sulfate, and copper sulfate.

### Net Weight

10.7 lbs per Gallon @ 68° F  
1.3 kgs per Liter @ 20° C

## RECOMMENDATION & COMPATIBILITY

Apply 1-8 quarts/acre any time during growing season. Repeat as needed.

For best results, use watered-in applications. May be applied via irrigation system or prior to irrigation. Apply enough water to move the product into the area of active rooting, but not excessive amounts that may leach. Use the higher label rates with surface and flood irrigation. MicroBlend Soil™ Zn-Mn-Cu is compatible with a wide range of nutrient and pesticide solutions and may be applied as a tank mix solution.

DO NOT mix with other products in concentrated form without first adding water. Recommended mixing sequence: water, adjuvants, pesticides, FBSciences nutrient products, other fertilizers, balance of water while agitating. A standard jar test is recommended before tank mixing.

See product label for complete Directions For Use.

