

# MicroBlend Foliar Zn-Mn-B



AN ADVANCED MULTIPLE MICRO-NUTRIENT FORMULATION



MicroBlend Foliar™ Zn-Mn-B is a premium, foliar-applied zinc, manganese, and boron product built with a proprietary blend of FBS Transit®, our patented technology, promote the rapid uptake, absorption and translocation of nutrients within the plant to mobilizes these nutrients in the leaves to increase leaf size, support chlorophyll formation and photosynthesis. MicroBlend Foliar Zn-Mn-B is designed to resolve the common micronutrient deficiencies in all crops and is specially formulated to supplement common in-season micronutrient demands in corn, soybeans, orchards, vineyards, vegetable, or row crops.

- Resolves Flashing Due to Herbicides
- Resolves Chlorosis
- Resolves Little Leaf & Rosetting
- Improves the Growth Rate of Plants
- Improves Pollination Success
- Improves Net Photosynthesis

## MicroBlend Foliar Zn-Mn-B Resolves Nutrient Deficiencies



Soybean Leaf  
with Symptoms of  
Glyphosate Flashing



Healthy  
Soybean Leaves

### Symptoms of Nutrient Deficiency include:

- Intervenal Chlorosis on New Leaves
- Little Leaf & Rosetting on New Leaves
- Growth Rate Slows after Herbicide Application
- Poor Pollination

# MicroBlend Foliar™ Zn-Mn-B

## TECHNICAL INFORMATION

### Importance of Zinc in Plants

Zinc is an essential constituent of several important enzyme systems in the plant. It controls the synthesis of indoleacetic acid, an important plant growth regulator that's crucial for active growing tips. Terminal growth areas are affected first when zinc is deficient. Zinc is the most deficient micronutrient in western soils. Deficiency is most common in neutral or alkaline pH soils that are sandy, low in organic matter content (including cut areas) or are high in available phosphorus. Zinc is crucial for normal sized leaves and internodes, plus adequate chlorophyll density. Therefore, it is very important for maintaining the photosynthetic potential of the plants. On permanent crops it also plays a key role in bud fruitfulness.

### 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 Boron in Plants

Boron is important in pollination and seed production and necessary for normal cell division, and protein formation. It is vital in forming and strengthening cell walls. Boron is an essential nutrient for growth and development of healthy plants. It is essential for maintaining a balance between sugar and starch and helps in the translocation of sugar and carbohydrates.

MicroBlend Foliar Zn-Mn-B is compatible with a wide range of nutrient and pesticide solutions and may be applied as a tank mix solution. A standard quart jar test is always recommended before tank mixing other materials. Adding a citric acid based acidifier may be required in order to assure compatibility with and optimum absorption when tank mixed with phosphorus or some Phosphite products. Adjusting the final spray tank pH to 4.5 with a citric acid acidifier will decrease the chance of compatibility problems. Constant agitation is required when mixing with calcium fertilizers.

MicroBlend Foliar Zn-Mn-B should be applied as a foliar spray. Spray in the late evening or early morning. DO NOT spray in the heat of the day. DO NOT spray when the plant is under moisture stress. Use as fine of a spray mist as possible. DO NOT spray to the point of runoff. Allow 3-4 hours after application before sprinkler irrigating to avoid washing the product off.

See product label for complete Directions For Use.

## GUARANTEED ANALYSIS

<b>Sulfur (S)</b> .....	<b>3.0%</b>
<b>Boron (B)</b> .....	<b>0.5%</b>
<b>Manganese (Mn)</b> .....	<b>3.0%</b>
<b>Zinc (Zn)</b> .....	<b>3.0%</b>

Derived from: boric acid, manganese sulfate, and zinc sulfate.

### Net Weight

10.6 lbs per Gallon @ 68° F

1.3 kgs per Liter @ 20° C

## RECOMMENDATION & COMPATIBILITY

For applications on orchards and vineyards apply 1 to 4 quarts per acre at any growth stage after petal fall/leaf out until leaf fall. DO NOT apply higher rates with crop oil concentrates. For ground applications, use a final spray volume of 10 to 200 gallons per acre. Use the higher label rates with spray volumes of 50 gallons per acre or greater. For aerial applications, use a final spray volume of 3 to 20 gallons per acre. Repeat as needed. For applications on field, row, vegetable and fruit crops apply 1 to 2 quarts per acre after transplanting, or for direct seeded crops, apply after 5th true leaf stage. Repeat as needed. For applications on sugar beets apply 2 to 4 quarts per acre at any growth stage after 4th leaf. Repeat as needed.

