

ChloroDrive™ Foliar

ADVANCED MG-MN-ZN NUTRITION



ChloroDrive™ Foliar is a premium, foliar-applied blend of zinc, manganese, and magnesium built with a proprietary blend of FBS Transit®, our patented technology, and various organic compounds that together resolve nutrient deficiencies through improved foliar uptake and movement. These nutrients are essential for healthy leaf development, including the formation of chlorophyll and the process of photosynthesis, which drive carbohydrate production and eventual yield. ChloroDrive Foliar is designed to be used on all crops including orchards, tree nuts, vineyards, fruit, vegetable, grain, and forage crops.

- Ideal for Maintaining Large Leaves with Deep Green Chlorophyll
- Increases Chlorophyll Density, Cell Division, Protein Synthesis
- Supports Photosynthesis
- Improves Enzyme Functions
- Improves Plant Health & Quality

ChloroDrive Foliar Resolves Nutrient Deficiencies



Zinc Deficient
Citrus Leaves



Healthy
Citrus Leaves

Symptoms of Nutrient Deficiency include:

- Interveinal Chlorosis of Younger Leaves (Mn & Zn)
- Little Leaf & Rosetting on New Leaves (Zn)
- Reduced Root Growth (Zn)
- Chlorosis of the Older Leaves (Mg)
- Reduced Fruit Set (Mg, Mn, & Zn)

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TECHNICAL INFORMATION

The nutrient and organic compounds in ChloroDrive™ Foliar address magnesium, manganese and zinc deficiencies commonly present in many soils.

Importance of Magnesium in Plants

Magnesium is the center element in the chlorophyll molecule and is required for chlorophyll production. Magnesium plays a big role in protein synthesis and RNA function as well as helping with the generation and use of ATP.

Importance of Manganese in Plants

Manganese serves as an activator for enzymes in plant growth processes. It assists iron in many of the plant functions such as chlorophyll formation. Manganese is often called a hidden hunger when it comes to getting iron or zinc into the plant. Unless there are sufficient quantities of manganese, plants will not be able to utilize these other nutrients.

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.

ESSENTIAL ON A WIDE VARIETY OF CROPS



GUARANTEED ANALYSIS

Magnesium (Mg)	2.0%
2.0% Water Soluble Magnesium	
Sulfur (S)	4.0%
4.0% Combined Sulfur	
Manganese (Mn)	2.0%
2.0% Water Soluble Manganese	
Zinc (Zn)	2.0%
2.0% Water Soluble Manganese	

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

Net Weight

11.0 lbs per Gallon @ 68° F

1.3 kgs per Liter @ 20° C

RECOMMENDATION & COMPATIBILITY

Apply 1 to 6 quarts per acre anytime during the growing season. Repeated applications may be required. Wait at least 10 to 14 days before reapplying. Higher rates should be used for orchards and vineyards. Use the higher rate with spray volume greater than 50 gallons per acre.

ChloroDrive Foliar should be applied as a foliar spray. Recommended mixing sequence: water, adjuvants, pesticides, FBSciences nutrient products, other fertilizers, balance of water while agitating. When mixing with high phosphate fertilizers, add a citric acid buffer until the pH is 4.5 to 5.0 to improve compatibility and uptake. Ensure agitation is available when mixing with calcium fertilizers. A standard jar test is recommended before tank mixing.

When mixing ChloroDrive Foliar with other materials always establish compatibility using the standard quart jar method prior to tank mixing.

May be applied in combination with other FBSciences' products such as PhotoGreen® Foliar and Copron® Foliar. See product label for complete Directions For Use.

