



An excess of one nutrient can cause reduced uptake of another. An excess of potassium, for example, may compete with desirable levels of magnesium uptake. In fields with marginal or low zinc levels, a heavy application of phosphorus may induce a zinc deficiency in soil. Excess iron may cause a manganese deficiency, so the proper ratio of manganese to iron must be maintained. The proper combination of micronutrients in the soil is an often overlooked management objective.

AgroLiquid's secondary- and micro-nutrient products can be economically added to your planter-time fertilizer program to prevent yield robbing deficiencies. Accurate soil testing is a great preventative tool. But, if in-season deficiencies are discovered, our micros can also effectively be foliar applied. Justus von Liebig propounded the "Law of the Minimum." It states that if one of the nutritive elements is deficient or lacking, plant growth will be poor even when all other elements are abundant. A crop will only produce to the potential of the least usable nutrient.

**USE RATE SUMMARY TABLE**

<b>At Planting Application Rates</b>	<b>Gallons Per Acre</b>
Field and Row Crops	0 - 2
Vegetables and Fruit Crops	0 - 2 or 0.25% in Transplant Solution
Orchards and Vineyards	0 - 2 or 0.25% in Transplant Solution

**In-Season Application Rates - Per Application**

Field and Row Crops	0.125 - 2	Sidedress or Fertigation
Vegetables and Fruit Crops	0.125 - 2	Sidedress or Fertigation
Orchards and Vineyards	0.125 - 2	Soil Application or Fertigation

**Foliar Application Rates - Per Application**

Field and Row Crops	0.125 - 0.5
Vegetables and Fruit Crops	0.125 - 0.5
Orchards and Vineyards	0.125 - 0.5

**Individual  
Micronutrients**



(0-0-0-4Mn)



# Manganese

(0-0-0-4Mn)

## Directions For Use General Guideline:

For proper agronomic application rates suitable for your geographical area or the maximum allowable non-nutrient application rate per acre, consult a trained soil specialist at AgroLiquid or call or write to AgroLiquid with the address provided.

Crop	In-Furrow
Corn (Grain) 30" Row Spacing	0.125-0.5 gal/A
Corn (Silage) 30" Row Spacing	0.125-0.5 gal/A
Soybeans 15" Row Spacing	0.125-0.5 gal/A
Soybeans 30" Row Spacing	0.125-0.5 gal/A
Sorghum	0.125-0.5 gal/A
Dry Beans	0-0.5 gal/A
Cotton	0-0.5 gal/A
Sugarbeet	0-0.5 gal/A
Canola	0-0.5 gal/A
Wheat (Spring or Winter)	0.125-0.5 gal/A
Potato	0.125-0.5 gal/A Direct contact with the seed piece
Alfalfa	0.125 gal/A

### In-Season Application Recommendations

**RATE: 0.125-2 gallon/acre**  
unless otherwise noted

<b>Corn</b> Sidedress	<b>Apples</b> Banded or through drip irrigation during the growing season
<b>Sorghum</b> Sidedress	<b>Tobacco</b> Banded or through drip irrigation during the growing season
<b>Cotton</b> Sidedress	<b>Tree Nuts</b> Banded or through drip irrigation during the growing season;
<b>Sugarbeet</b> Sidedress	<b>Other Tree Fruits</b> Banded or through drip irrigation during the growing season
<b>Wheat</b> Topdress up to Feekes Stage 4	<b>Vegetables</b> Broadcast, surface banded or through drip irrigation during the growing season
<b>Potato</b> Sidedress or fertigation	
<b>Alfalfa</b> Prior to, or within 14 days of spring green-up, and/or 0-7 days after cutting, broadcast	
<b>Grapes</b> Broadcast, surface banded or through drip irrigation during the growing season	
<b>Tomato</b> Banded or through drip irrigation during the growing season	

### Foliar Application Recommendations

**RATE: 0.125-0.5 gallon/acre**  
unless otherwise noted

<b>Corn</b> Soybean 30" and 15" Rows Sorghum Dry Beans Cotton Sugarbeet Canola Wheat Potato Alfalfa Grapes Tomato Tobacco Apples Tree Nuts Other Tree Fruits Vegetables	<b>Broadcast, or banded not less than 2" from the seed furrow, surface banded, or applied through drip irrigation at the base of the plant</b>
<b>RATE: 0.125-2 gallon/acre</b> Corn      Canola      Tobacco Soybean      Wheat      Apples Sorghum      Potato      Tree Nuts Dry Beans      Alfalfa      Tree Fruit Cotton      Grapes      Vegetables Sugarbeet      Tomato	
<b>0.25% in Transplant Solution</b> Grapes      Apples      Vegetables Tomato      Tree Nuts Tobacco      Tree Fruit	

Please consult with an AgroLiquid Sales Account Manager or Agronomist for further direction when utilizing rates higher than the lower limit of the given range.

 **Guaranteed by: AgroLiquid**  
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AGROLIQUID. [agroliquid.com](http://agroliquid.com)

NOTE: Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>



**GS07**  
**WARNING - Irritant: Eyes, Skin**