

# Krystal Klear®

## MANGANESE

### The Product

- **Krystal Klear® Manganese** is a patented micronutrient solution containing 5% Manganese.
- **Krystal Klear Manganese** is formulated with Baypure™ from Lanxess Chemical.
- Baypure is effective in a wide range of pH
- Baypure biodegrades within 72 hours....unlike others that persist in the soil.
- **Krystal Klear Manganese** is ortho- and poly-phosphate compatible.
- Manganese activates certain phosphate-transferring enzymes which affect many metabolic processes.
- Manganese protects against free radicals.
- Manganese activates enzymes for amino acid production.
- Manganese activates enzymes for hormone production.
- Gibberellic acid is dependent on proper levels of Manganese.
- Manganese deficiency activates IAA oxidase.
- Legumes have an absolute requirement for manganese.
- Photosynthetic activity can be reduced by 50% in manganese deficient plants.

\* For a Specimen Label or other information please contact your local Performance Nutrition dealer or contact us by email at [info@lidochem.com](mailto:info@lidochem.com) or by phone at (732) 888-8000.

### Guaranteed Analysis

Manganese (Mn) . . . . . 5%  
5% Chelated Manganese (Mn)

*Derived from: Manganese IDS and Manganese EDTA.*

### APPLICATION RECOMMENDATIONS

#### • Foliar Application

**Vegetables:** Apply 1/2 to 1 quart per acre each spray. Krystal Klear 5% Manganese can be incorporated into the normal spray program.

**Field Crops:** Apply 1 quart per acre when plants are young. This is the time when the most severe deficiencies occur.

**Tree and Vine Crops:** Apply 1 quart per 125 gallons of spray mixture. If concentrated spray is used, increase the concentration in direct proportion to the dilution. The above amount can be split into several applications. Split applications are more beneficial than a single application.

**Turf:** Apply 1/2 to 1 quart per acre each spray. Krystal Klear 5% Manganese can be incorporated into the normal spray program. Start applications in early spring, and repeat every 14-21 days.

#### • Aerial Application

Consult your local agronomist for aerial application rates and dilutions.

#### • Soil Application

Krystal Klear 5% Manganese is recommended for use on all types of soils. Dilute before use to ensure uniform coverage. The product can be incorporated into liquid fertilizers or applied separately. Soil applications may be made by drip, sprinkler or band application. If you do not have a soil or leaf analysis then apply the following rates:

<b>Maintenance Application:</b>	1 quart per acre
<b>Moderate Deficiency:</b>	2 to 3 quarts per acre
<b>Heavy Micronutrient Deficiency:</b>	4 quarts per acre