



BORON

The Product

- **Krystal Klear® Boron** is a liquid solution that contains 5% soluble Boron complexed with MEA.
- Boron acts as a sugar transporter.
- Optimal root and tissue development are reliant on proper boron levels.
- Boron helps in cell synthesis—important for plant growth.
- Boron mediates lignification – important in self-defense against pathogens and injury.
- Boron mediates Phenol Metabolism.
- In times of stress, carbohydrate metabolism and respiration are influenced by boron.
- IAA Metabolism (rooting hormones) is controlled by the plant boron concentration.
- The most rapid response to boron deficiency is root decline.
- In 6-12 hours after boron deficiency IAA Oxidase increases dramatically.
- Root decline occurs within 3 hours of boron deficiency and becomes severe at 6 hours.
- Root elongation halts after 24 hours of deficiency.
- Root elongation becomes aggressive 12 hours after restoration of boron.
- Potassium dumping occurs in leaves within minutes of boron deficiency.
- Leaves will also dump sugar, amino acids, and phenols with deficient levels of boron.
- Phosphate uptake of roots is positive with sufficient boron or negative with insufficient boron.

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

Guaranteed Analysis

Boron (B) 5%

Derived from: Boric Acid.

APPLICATION RECOMMENDATIONS

• **Foliar Application**

When foliar spraying Krystal Klear 5% Boron through a conventional sprayer, use a minimum of 20 gallons of water per acre, per 2 quarts of Krystal Klear.

When foliar spraying Krystal Klear 5% Boron in low volume equipment, a maximum of 1 quart per acre is recommended. In low volume sprays with little water, burning may occur.

For best results, spray when the crop is in an active growing stage after irrigation or rainfall. Spray early mornings or late afternoons.

Vegetables: Apply 1 to 2 quarts per acre each spray. Krystal Klear 5% Boron can be incorporated into the normal spray program.

Field Crops: Apply 2 quarts per acre when plants are young. This is the time when the most severe deficiencies occur.

Tree & Vine Crops: Apply 2 quarts 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 application: Apply 1 to 2 quarts per acre each spray. Krystal Klear 5% Boron can be incorporated into the normal spray program. Start applications in early spring, and repeat every 14-21 days.

• **Soil Application**

Krystal Klear 5% Boron 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:

Maintenance Application: 2 quarts per acre
Moderate Deficiency: 4 to 6 quarts per acre
Heavy Micronutrient Deficiency: 8 quarts per acre