



## What Can BioLiNE® Do For Your Banana Program?

Our BioLiNE® technology transports and assimilates nutrients, and other plant beneficial ingredients more efficiently. BioLiNE® products enhance crop health through their entire life-cycle from seeding to harvest. The BioLiNE® products supply electrolytes and establish electrochemical balance in plants. Combining this highly beneficial attribute with improved bioactive chemistry, superior cell permeability, and accelerated nutrient exchange is our advantage.

**BioLiNE® Gold** is non-toxic.

**BioLiNE® Gold** enhances cell division and elongation, magnifying root growth.

**BioLiNE® Gold** as a foliar spray, increases oxygen uptake capacity helping to improve chlorophyll production.

**BioLiNE® Gold** increases the plasma membrane permeability of nutrients boosting nutrient utilization efficiency.

**BioLiNE® Gold** amplifies cell respiration with a positive impact on photosynthetic reaction. This can be particularly valuable during prolonged cloudy periods.

**BioLiNE® Gold** has been engineered for ease-of-use, our product is compatible with other actives, increasing their consistency and performance.

### Recommended BioLiNE Application Timing and Rates for Bananas

- Apply BioLiNE at 500mL (16oz) per acre every 30 days
- Can be applied with foliar sprays, through fertigation, or bunch sprays.
- Compatible with all typical pesticides and fertilizers used in banana production.

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## Benefits of BioLiNE<sup>®</sup>

Our fulvic acid products are naturally derived from peat. By isolating the smallest fulvic fractions with high oxygen content, the result is a very bioactive liquid that can more easily penetrate cell membranes and help transport and assimilate nutrients, and other plant beneficial ingredients more efficiently. Purified using our proprietary Fulv-IQ™ process, BioLiNE<sup>®</sup> products are an essential tool for any grower

### Preserve Yield Potential

BioLiNE<sup>®</sup> products armor the plant to adapt better to environmental changes, and better preserve their innate, genetic yield potential under less than ideal growing conditions.

### Improve Nutrient Efficiency

Empowered by Dynamic Nutrient Exchange™ (DNE) and superior cell permeability, our products elevate nutrient utilization efficiency resulting in improved crop health, physiological development and yield.

### Increase Crops' Natural Defenses

BioLiNE<sup>®</sup> products deliver electrolytes and establish electrochemical balance, thereby boosting the crops' natural defenses. BioLiNE<sup>®</sup> enhances the crops' ability to thrive in soils with high salinity, high sodic levels, or both.

### Invigorate Soil Biology

Crop beneficial microbes thrive on plant exudates secreted from the roots of crops. BioLiNE<sup>®</sup> products increase the exchange of nutrients and organic molecules between microbes and the plant roots.

### Improve Seed Germination

BioLiNE<sup>®</sup> products promote rapid and even emergence by nourishing crops, and soil microbes, and protecting the seed against environmental (abiotic) stress.

### Increase Root Development

When BioLiNE<sup>®</sup> products are used as seed-coat or applied near the time of planting they propagate larger root mass.