



BioLiNE® products have a proven track record of outstanding and consistent performance with millions of acres of on-farm application. Our technology is essential to supporting crops' natural defenses, helping them achieve their innate genetic yield potential. Our fulvic acid products are naturally derived from upcycled 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 such as enzymes, sugars, and plant metabolites more efficiently.

# Watermelons

## Recommended BioLiNE® Application

### Timing and Rates for Watermelons

**At Transplanting:** Add BioLiNE® at 125mL (4oz) per 400L (100 gallons) of transplant solution.

**Drip Irrigation:** Apply BioLiNE® at 300mL (10oz) per acre at the end of watering cycle.

**Foliar Schedule:** Apply BioLiNE® at 1300mL (44oz) per 400L (100 gallons) of spray, at a minimum of 650mL (22oz) per acre.

BioLiNE® products may be applied with most foliar fertilizer, insecticides, herbicides, and fungicides. They may also be impregnated on dry fertilizer or added to liquid fertilizer. For pivot irrigation application, increase rate to 500mL (16oz) per acre.

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## Benefits of BioLiNE<sup>®</sup>

Yield loss often occurs due to environmental (abiotic) stress endured by crops from seeding to harvest. Our innovative technology helps improve the physiological development of crops by increasing nutrient transport and assimilation, bolstering the crops' natural defenses against key stress factors throughout the growing season. Purified using our proprietary Fulv-IQ™ process, BioLiNE<sup>®</sup> fulvic acids 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 help 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 Fruit Development

BioLiNE<sup>®</sup> products help prevent nutrient lockup to ensure nutrients are available when requirements are high. The result is increased fruit production and fruit size to maximize marketable yield.