



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.

## Bulb Vegetables

### Recommended BioLiNE® Application

#### Timing and Rates for Bulb Vegetables

**Foliar Schedule Guide:** Apply BioLiNE® at 500mL/acre. It is best to apply with every foliar application of insecticides and/or fungicide throughout the season.

**Drip Irrigation:** Apply BioLiNE® at 500mL/acre starting 2 weeks after setting or by the fourth leaf “leek” stage with other nutrients.

**Key Times:** Apply BioLiNE at 500mL/acre every 7-10 days before 3-5 leaf. Continue through 8-13 leaf at the start of bulbing when plants reach their maximum height. May be applied with pesticides and other nutrients.

BioLiNE® products may be applied with most foliar fertilizer, insecticides, herbicides, and fungicides. A jar test may be used to determine compatibility.

#### Location:

3971 Old Walnut Rd.  
Alvinston, ON, N0N-1A0  
info@biolinecorp.ca  
519-847-5747

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## Benefits of BioLiNE<sup>®</sup>

The innate genetic yield potential for crops far exceeds what is achieved on farms. Much of this yield loss is due to environmental (abiotic) stress endured by crops from seeding to harvest. Our innovation improves the physiological development of crops, better armoring them to adapt to environmental changes and preserve against yield loss. Our products are highly bioactive liquids that are easy to handle and can be mixed or added to almost all agricultural inputs.

### 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.