

Optimize Fruit & Vegetable Quality by Fertigating with BioLiNE[®]

Adding BioLiNE[®] products to fertigation solutions has been shown to improve sugar, flavour and marketable yield in fruit & vegetable crops. Help boost crop growth and preserve yield loss due to abiotic stress conditions, such as heat stress, with the use of BioLiNE[®] technology. Our products will protect crops by strengthening their natural defenses, supporting metabolic reactions, improving nutrient uptake and use efficiency.



Application Rate Recommendations

Apply a cumulative total of 2.5 – 4 L of BioLiNE[®] Gold per season.

Mix 200 – 250 mL/acre of BioLiNE[®] with fertigation solution every two (2) weeks.

Compatible with most agrochemicals, and can be mixed with fertilizers.

Maximize quality, marketable yield, and your bottom line with BioLiNE[®] products.

University of Guelph Replicated Trials

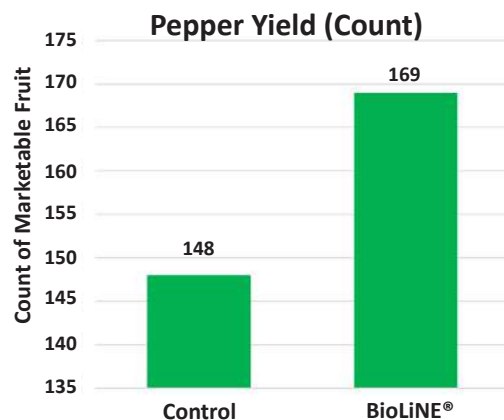
Replicated trials on bell peppers and tomatoes were conducted by John Zandstra of University of Guelph in 2015. BioLiNE[®] treated plants for both tomatoes and peppers showed an increase in yield and Brix[°] sugar content.

Tomato Trial

- 4 - 5% increase in marketable yield
- 5 - 7% increase in Brix[°] sugar content
- 60% reduction in cull weight

Pepper Trial

- 18% increase in marketable yield

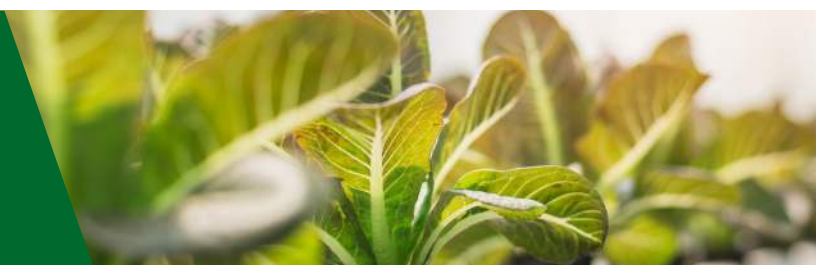


Location:

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Proven Tool for Improving Quality and Yield on Fruits & Vegetables

During the 2022 and 2023 growing seasons, Maria Derkacz (HORTECH International, an independent research organization) conducted side-by-side field trials on various crops with multiple commercial growers in Ontario.

All crops were planted in soil covered with black plastic. BioLiNE Gold was added into the water/fertility solution at a rate of 300 mL/acre on a bi-weekly basis for a total of 6 treatments. All results showed a positive increase when compared to the grower's standard program.

Field Tomato (Union & Windham, ON)



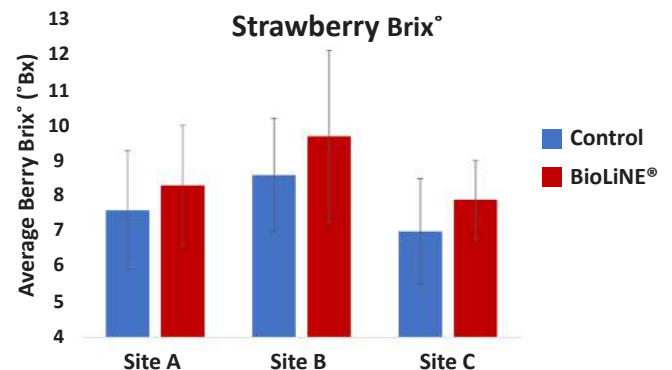
After 2 applications of BioLiNE[®] Gold, plants are larger and show more vigour. Treated plants showed increases of:

- 23% emergence plant weight
- 13% chlorophyll content
- Improved yield and tomato quality

Albion Day Neutral (Niagara, Haldimand County, Elgin County, ON)

Averaged results from all three locations showed an increase of:

- 25% total harvestable fruit
- 27% total weight of berries harvested
- 5% average berry weight
- 11% Brix[°] sugar content



Cantaloupe (Windham, ON)

BioLiNE[®] treatments showed an increase of:

- 13% emergence plant weight
- 12% chlorophyll content
- 16% Brix[°] sugar content
- Yield and quality improvements

Zucchini (Windham, ON)

Treated plants showed an increase of:

- 13% emergence plant weight
- 11% chlorophyll content
- 27% total harvestable fruit
- Cull (non-harvestable) fruit improvements

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