

Stimulating Crops. Boosting Response.

BioLiNE® Gold is a premium quality liquid fulvic acid that is compatible with all agricultural inputs. BioLiNE® Gold is a potent bio-stimulant that enhances crop health and vigor, improving yields.



FEATURES OF BIOLINE GOLD

Highly Compatible: Easily blended with all agricultural inputs regardless of pH, nutrient concentrations, salt index and active ingredients.

High Potency: Powered by extremely small size and high oxygen content. Fulvic acid complexes are protected from degradation and modification through a gentle extraction process.

Maximum Purity: Our multi-staged process removes all other humic substances and organic matter resulting in a purified fulvic acid product.

Long Shelf life: When stored under normal conditions, BioLiNE Gold does not foul, settle, or change properties like many other organic products.

BENEFITS OF BioLINE GOLD

Increase Nutrient Uptake: Small size and high exchange capacity allow for direct delivery of nutrients to the plant cell.

Increase Root Growth & Branching: By stimulating cell division, eliminating abiotic stress, and exchanging essential nutrients.

Increase Plant Metabolism: Increases photosynthetic reactions, improve transpiration rate and intercellular levels of ATP.

Improve Stress Resistance: Boost plant health and vigor so it can withstand abiotic stress from drought, heat, nutrient deficiencies, saline soils and harmful levels of minerals.

Improve Soil Microbial Activity: Exchanges nutrients and organic molecules between microbes, roots and soil particles.

Improve Seed Germination: Nourishes plant post-emergence and helps to fight stresses in earliest stage of growth.

APPLICATIONS OF BioLINE GOLD

BioLiNE® Gold is recommended for incorporation into any fertilizer product or program. It can be used on any crop, either grown in the field or hydroponically. It can also be used as an ingredient in seed coatings.

Starter/Pop-Up Fertilizers: 8 - 16 oz/acre; 600 - 1,150 mL/hectare

Foliar Fertilizers: 16 - 25 oz/acre; 1,230 - 1,850 mL/hectare

Hydroponic Solutions: 1/100 dilution (300 ppm)

Note: BioLiNE Gold is recommended for use with all macro and micro-nutrient fertilizers, and can be applied at every application. For details contact our experts: info@biolinecorp.ca | 519-847-5747





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	Trial Specs	Application	Trial Results
Soybean	20 acres, slit loam DEKALB® RR2 Xtend® Drought & heat stress	Foliar blend w/ Roundup® T1: 1 x 17 oz/acre T2: 1 x 34 oz/acre	Yield: Control = 40 bu/acre; T1 = 47 bu/acre; T2 = 65 bu/acre 63% yield increase equated to 30x ROI @ 1 L/acre of BioLiNE Gold Applied 7wks after seeding, increased pod setting (25 to 33/plant)
Corn	6 replicated plots loam w. 2.7% OM	In-furrow; 10 oz/acre Foliar: 3 x 22 oz/acre	25% increase in root & 52% increase in early plant growth Samples collected 4wks after seeding with bigger size and root wt.
Sweet Corn	Sunnyvee seeds, loam soil, 4.5% OM	In-furrow; 10 oz/acre Foliar: 4 x 22 oz/acre	41% increase in sugar content, 85% marketable ears vs. 38% More evenly sized and fuller ears resulted in 2x marketable ears
Sweet Basil	Deep Water Culture Hydroponics, Aerated	400 ppm in Hoagland's Nutrient Solution	Yield: 133% increase in yield & 157% increase in root weight Increased average weight of harvested basil from 4.9 to 10.8 g/plant
Buttercrunch Lettuce	Deep Water Culture Hydroponics, Aerated	400 ppm in Hoagland's Nutrient Solution	Yield: 47% increase in yield & 63% Increase in Root weight Increased avg. weight harvested from 55.5 to 123.3 g/plant
	Indoor Vertical Farm Rockwool	400 ppm, EC ≈2 mS/cm Proprietary Nutrient Blend	Yield: 44% increase in yield & 18 day reduction in time to harvest Increased average harvest weight per tower from 1 kg to 1.45 kg
Romaine	Indoor Vertical Farm Rockwool	400 ppm, EC ≈2 mS/cm Proprietary Nutrient Blend	Yield: Increased by 165% & reduced seed germination by 9 days Increased average harvest weight from 55 g to 146 g per site



Treated with 1x foliar application with rates indicated above





Control Buttercrunch lettuce roots

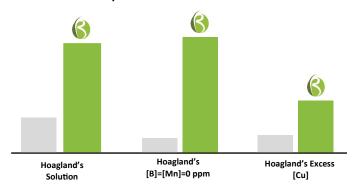


17 oz/acre in-furrow soy roots



Buttercrunch lettuce 400 ppm BioLiNE Gold

Dry Weights of Basil with Micronutrient Deficiency and Metal **Toxicity with BioLiNE® Gold Treatment**



Study with metal toxicity & Boron [B] & Manganese [Mn] deficiency demonstrating the stress resistant properties of BioLiNE Gold. A) [Cu] at 20x recommended rate. B) No [B] or [Mn] in nutrient mix.



A. Excess [Cu]



A. Excess [Cu] with BioLiNE Gold



B. No [B] and [Mn]



B. No [B] & [Mn] with BioLiNE Gold