



OPTIMIZES CONDITIONS FOR PLANT NUTRITION & RESISTANCE TO ABIOTIC STRESS

EVERY OUNCE COUNTS

BIO-BASED NUTRITION FOR PLANT DEVELOPMENT & IMPROVED CONDITIONS FOR HIGHER YIELDS

Illustria™ enhances conditions for mitigating abiotic stress within a plant. This scientifically proven, patented nutrient technology creates an environment for the crop to maintain greater yield & quality.

BENEFITS

- **Improves** conditions for higher yields
- Small size molecule is **easily absorbed by the plant**
- **Compatible** with crop protection, fertilizer & nutrition*
- **Optimizes** conditions for abiotic stress tolerance
- **Better return** on investment

PROPRIETARY TECHNOLOGY

Essential macro & micronutrients are bound in a complex carbon-based process producing a proprietary organic molecular substrate. This patented nutrient technology is so concentrated & balanced that only a very small dose is needed to treat the plant. The result is a product that enhances conditions for increased energy efficiency, greater plant vigor, yield & crop quality.

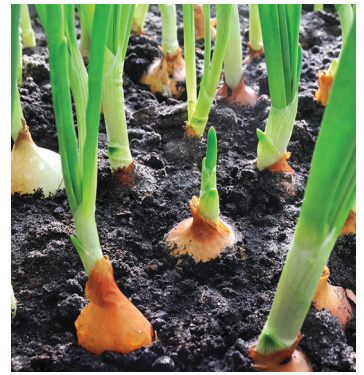
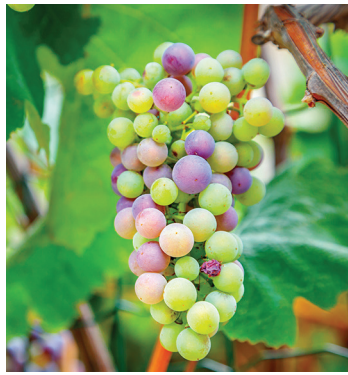
CROPS

- ✓ Fruiting Vegetables
- ✓ Grapes
- ✓ Leafy Greens
- ✓ Stone Fruit
- ✓ Strawberries
- ✓ Tree Nuts

NUTRIENT PROFILE

Essential macro & micronutrients are bound in a complex carbon-based process producing a proprietary organic molecular substrate that includes:

- ✓ Soluble Potash (K₂O)
- ✓ Cobalt (Co)
- ✓ Molybdenum (Mo)



ART OF USE



- Illustria is highly concentrated for a low dose rate per acre & is easy to handle as high concentrate liquid.
- Illustria is tank mix compatible with Regalia Biofungicide & most traditional fungicides.
- It is recommended to not mix Illustria with high phosphorus or high sulfur products.
- Compatibility with liquid fertilizers must be confirmed prior to application.

TECHNICAL & REGULATORY PROFILE*

Fertilizer Grade:	0-0-2
Application:	Soil, Foliar
Guaranteed Analysis:	Soluble Potash (K ₂ O) 2% Cobalt (Co) 0.01% Molybdenum (Mo) ... 0.001%
Formulation:	Liquid
OMRI Listed:	No
Rainfastness:	Do not apply if rainfall is likely within 3 hours after application.

ILLUSTRIA ENHANCES CONDITIONS FOR INCREASED YIELD & CROP QUALITY



Replicated trial in Indiana on RR corn planted by mistake. Liberty® was sprayed with Illustria™ at 4 leaf stage, growing point below ground.



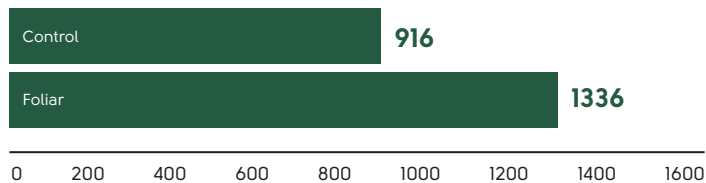
PERFORMANCE

STRAWBERRIES

Adding Illustria to the tank enhances conditions for increased nutrient uptake, resulting in plants that are more energy efficient. In 2023 field demos, using Illustria increased marketable yields by 30%.

CRATES PER ACRE

3 Week Harvest Data, Weeks 38-40



STRAWBERRIES: TIMING & APPLICATION

SOIL		FOLIAR	
Rate	Timing	Rate	Timing
16 fl. oz./A	At Planting	16 fl. oz./A	Every 14 Days



Illustria is a patented liquid foliar fertilizer.

ILLUSTRIA vs. UNTREATED FOR YIELD IN ONIONS

Plant Date: January 2024

Applications: 16 oz./A Monthly

- Less phytotoxicity from herbicide application
- Increased plant mass (more roots, larger onions)



ILLUSTRIA vs. UNTREATED FOR YIELD IN GRAPES

Field Check Date: September 3, 2024

Applications: 16 oz./A Foliar at Pre-Bloom, Fruit Set, Verasion

- Berry uniformity
- Increased weight of berries per cluster

WINE GRAPES – CABERNET SAUVIGNON



ROW & CEREAL CROPS: TIMING & APPLICATION

Illustria™ is highly concentrated for a low dose rate per acre & is easy to handle as high concentrate liquid.

Foliar Rate	10 oz./A
Water	10-20 GPA
Timing: Corn	V4 through VT-R1
Timing: Soybeans	V3 through R3
Timing: Wheat	Feekes 3 through Feekes 10.5
Timing: Cotton	Early Bloom + 2 weeks

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UBP™ TECHNOLOGY

PATENTED NUTRIENT TECHNOLOGY

UBP™ Technology is a new class of biological supramolecular structure with organic nutrients & chelated microelements. This allows for the nutrients to be highly mobile & readily available to the plant.



INCREASES MITOSIS (CELL DIVISION)

More cells equal more mitochondria; allowing the plant to increase functional biomass & withstand stress events more effectively.



INCREASES PHOTOSYNTHESIS

A 2021 RNA-sequencing study identified UBP™ Technology upregulates several photosynthetic pathways allowing the plant to produce more chlorophyll & allows for the potential to increase brix.



IMPROVES ABIOTIC STRESS MANAGEMENT

UBP™ Technology upregulates 11 different antioxidant pathways, allowing the plant to produce more antioxidants that mitigate abiotic stress.



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