



TARGETED NUTRITION INCREASING  
PHOTOSYNTHESIS AND  
CHEMOSYNTHESIS IN PLANTS

# Nu3zer

NUTRITIONAL BIO-OPTIMIZATION  
FOR AGRICULTURE

A revolutionary bio-stimulant  
that significantly increases the effects and benefits  
of major and minor nutritional elements for the plant.

Manufacturer



**QUANTUM**  
BIO LAB

Distributor



**IBEX**  
BIOINDUSTRIES



# Nu3zer

## FOUNDATION PRODUCT FOR ADVANCED PLANT NUTRITION

NUTRITIONAL BIO-OPTIMIZATION FOR  
AGRICULTURE

- **Nu3zer** is a foundation product, principally designed to be used in formulations with select nutrients to achieve specific results.
- **Nu3zer** is intended as a base product, to be used by fertilizer formulators to create specialty fertilizers aimed principally at achieving increased yield, specific crop attributes, phytosanitary protection and/or stress resistance through nutrition.
- **Nu3zer** can also be used by growers in the field to combine with their nutritional products in order to achieve desired results.... from enhanced environmental, insect, and disease resistance, to improved yields or targeted crop characteristics.
- **Nu3zer** is a bio-stimulant to the resident (or inoculated) microorganisms in the soil while, at the same time increasing the plant's photosynthetic and chemosynthetic activity and the production and storage of larger quantities of energy.





# Nu3zer

GROUNDBREAKING NUTRITIONAL  
BIO-OPTIMIZATION FOR AGRICULTURE



## **NU3ZER - OPTIMIZING THE BENEFITS OF NUTRITIONAL ELEMENTS**

- Increases plant photosynthetic activity by as much as 25% to 30%
- Increases chemosynthetic activity in the plant and soil microorganisms, resulting in greater energy storage in the plant.
- Increased flower setting, fruit and grain fills and harvest homogeneity
- Increased Brix Levels and Ripening in Fruits, Grains and Grasses
- Induced Plant Resistance Against Pests - significant pesticide reductions and/or longer application intervals
- Induced Plant Resistance to Environmental Stress (cold, heat, drought, flood, etc.)
- Increased Concentration of Desired Metabolites in fruit, grain, stems and leaves.
- Promotion of Early Harvest
- Crop Management Improvements
- Designed for Conventional, Organic, and CDM Agriculture
- Foliar Spray and Soil Applications
- Greenhouse and Field Cultivation



# Nu3zer

## NU3ZER TECHNOLOGY

- Patented technology consisting of biologically processed, bio-stimulating metabolites of plant origin.
- Nutraceutical foundation technology in liquid form for use with liquid and dry nutritional formulations.
- For organic, CDM, and conventional product designs.
- Creates the optimal conditions for both, symbiotic soil microorganisms and for the plant, allowing it to carry out more effective photosynthesis and chemosynthesis.
- Through nutritional design combinations, Nu3zer boosts the efficiency of one or more physiological functions, directing and focusing these activities towards the desired vegetative, reproductive and/or resistance processes in the plant.
- Enhances the plant's own dynamics to generate the desired nutraceutical effects, achieving better plant health, increased defenses from disease and environmental stress, and focuses its energy on yield increases or other desired metabolic processes.

NUTRITIONAL BIO-OPTIMIZATION FOR  
AGRICULTURE






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NUTRITIONAL BIO-OPTIMIZATION FOR  
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## NU3ZER MODE OF ACTION

- Improves the transport efficiency of metabolites at the plant level, including their cellular transport.
- Stimulates and guides soil microorganisms to produce the target enzymes required for better uptake or more efficient processing by the plant.
- Stimulates the plant to carry out photosynthetic and chemosynthetic processes more effectively, increasing efficiency, function, and energy storage.
- In combination with selected NPK mixtures or with customized nutritional formulations, Nu3zer creates a notable positive impact on physiological plant functions and soil microbiota, generating the optimal vegetative, reproductive and/or protective process desired in the crop.
- Enhances the plant's own dynamics to generate nutraceutical effects that results in plant protection against pests and environmental stress.





## TARGETED NUTRITION EXAMPLES OF CUSTOMIZED APPLICATIONS

# Nu3zer

- Sugarcane Ripening, Ratoon Development
- Sugarcane - Increased Biomass and Brix
- Fruit Cultivation, Fruit Set, Sugar and Brix Increase
- General Insect Control
- General Fungal Control
- General Nematode Control
- Strawberry Cultivation and Phytosanitary Control
- Coffee - Fruit Set and Even Ripening
- African Oil Palm - Phytosanitary Resistance
- Rice - Reduced Lodging, Drought, Cold Resistance, Yields
- Wheat, Soybean, Cotton - Environmental Stress, Enhanced Yields
- Greenhouse Vegetables - Phytosanitary Control, Enhanced Yields

This is a sampling of various targeted formulations with Nu3zer and specific nutritional elements.

Please contact us for other customized formulations and applications.

GLOBAL DISTRIBUTION:





Nu3zer



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