



LEVITATE[®]

EDUCATOR

THE PROVEN PLATFORM IN PLANT NUTRITION

AN ENHANCED STARTER FERTILIZER WITH PROVEN FERTILIZER EFFICIENCY TECHNOLOGY

LEVITATE is a Loveland Products proprietary starter fertilizer formulated with a proven fertilizer biocatalyst as well as a blend of ACA Technology, Fulvic Acids and EDTA chelated zinc.

FEATURES

- Low-salt, seed-safe, highly compatible at-planting nutrition tool for many crops and growing systems
- Contains Acetate, Biocatalyst and Fulvic Acid Technology
- User-friendly liquid fertilizer with utility across many crop

RATES

Cereal Grains: Soil: 1-5 gal/A In-furrow or 2x2; Foliar: 2-4 qts/A

Legume Vegetables: Soil: 2-4 qts/A; Foliar: 1-4 qts/A

Root and Tuber Vegetables: Soil: 2-3 gal/A; Foliar: 1 gal/A

GROWER BENEFITS

- Phosphate and zinc drive early-season growth and development
- Buffers the effect of salts that can harm young seedlings
- Enhances nutrient availability and uptake at a critical time

ACTIVE INGREDIENTS

Ammonium Polyphosphate, Potassium Hydroxide, Potassium Acetate, and Zinc EDTA

ANALYSIS

5-15-5 1.5% Zn

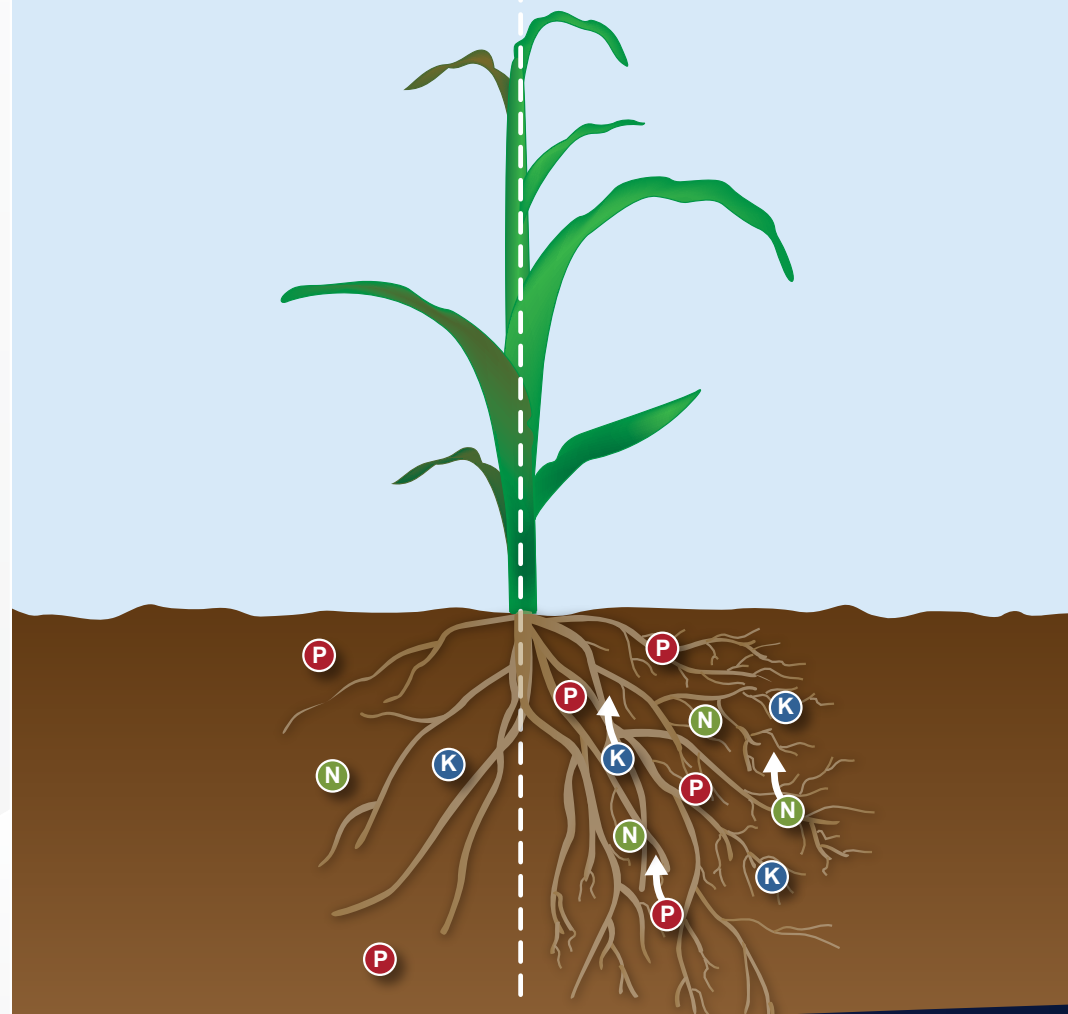
TYPICAL STARTER FERTILIZER VS. LEVITATE TECHNOLOGY

Typical starter fertilizer

- Less developed root system
- Less nutrient interception
- Fewer nutrients making their way in to plant due to tie up
- Potential for salt injury



- Improved root growth and development
- More nutrient interception
- Greater nutrient mineralization
- More nutrient mobility
- Less root burn
- Higher nutrient availability and uptake



LEVITATE TECHNOLOGY:

LEVITATE is the only product on the market that combines three fertilizer efficiency technologies in one to ensure that the nutrition a seedling needs actually gets into the crop.



Acetate

- Increases root hair and shoot growth
- Enhances nutrient efficiency through increased root interception
- Promotes nutrient solubilization



Fertilizer Biocatalyst

- Enhances nutrient efficiency of existing soil nutrition
- Increases water use efficiency through salt mediation
- Improves nutrient mineralization



Fully Chelated Zinc

- EDTA chelation for excellent uptake and compatibility
- 4-5 times more available than ammoniated zinc
- Zinc is a key component in phosphate utilization



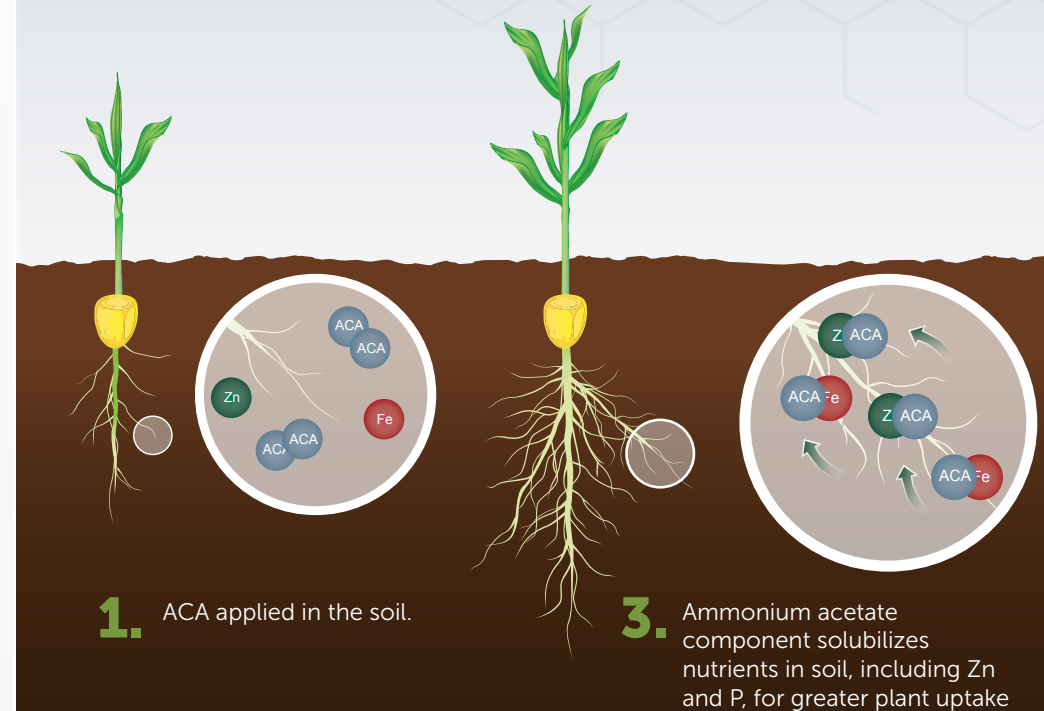
Fulvic Acid

- Chelation and sequestration of soil compounds that bind nutrients in the soil
- Reduces stress from salt in fertilizer
- Enhances nutrient efficiency of applied nutrition

HOW IT WORKS - ACA TECHNOLOGY



- Enhances nutrient efficiency through increased interception
- Increases root hair and shoot growth
- Promotes nutrient solubilization



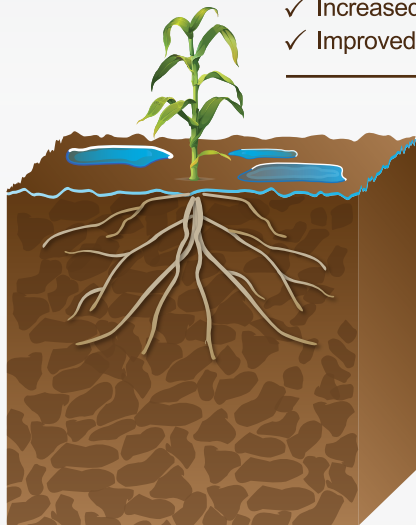
HOW IT WORKS - BIOCATALYST TECHNOLOGY



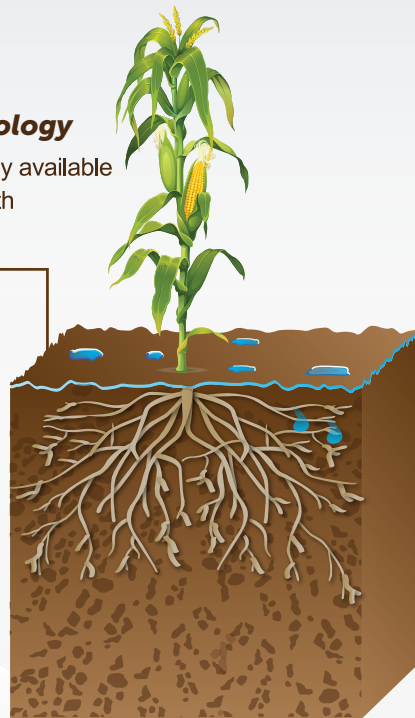
- Enhances nutrient use efficiency of existing soil nutrition
- Improves nutrient mineralization
- Increased water use efficiency through salt mediation

Soil treated with biocatalyst technology

- ✓ More nutrients readily available
- ✓ Increased root growth
- ✓ Improved soil tilth



1 Biocatalyst Applied to Soil



2 Nutrient Mineralization

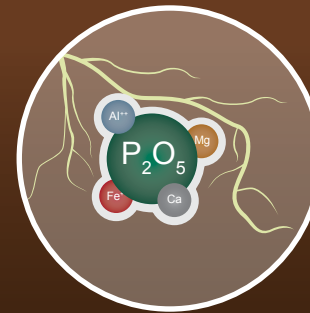
3 Nutrients "Unlocked"

HOW IT WORKS - FULVIC ACID TECHNOLOGY



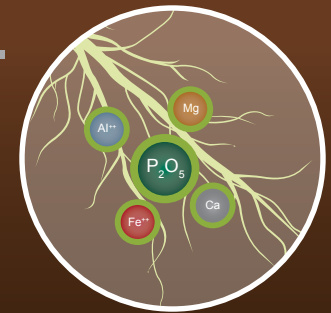
- Enhances nutrient use efficiency of applied nutrition
- Reduced stress from salt in fertilizer
- Chelation and sequestering of soil compounds that bind nutrients in the soil

1.



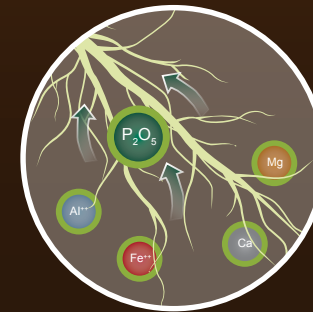
Phosphate bound in soil through tie up with cations is unavailable for the plant.

2.



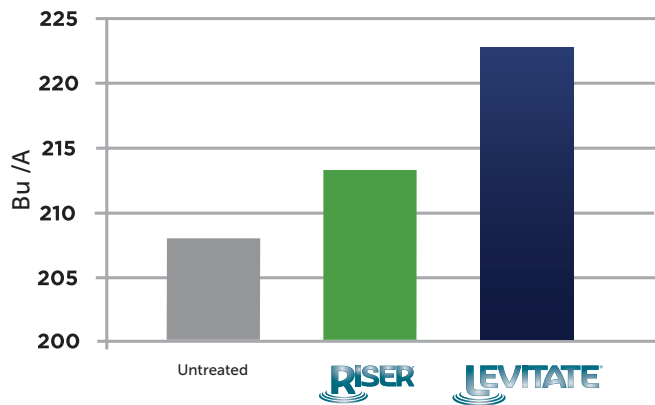
Fulvic acid's high cation exchange capacity (CEC) sequesters soil cations, limiting their ability to bind to phosphate.

3.



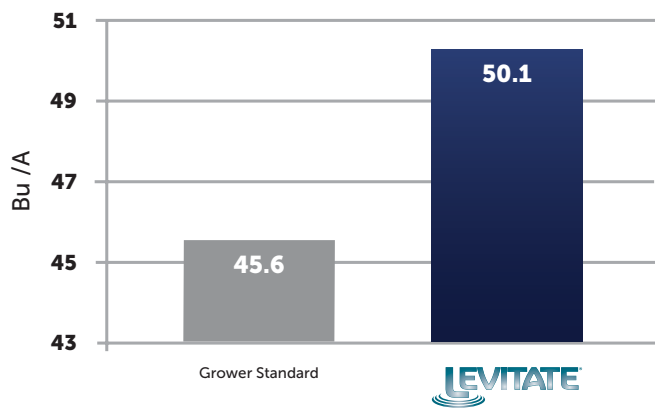
More phosphate remains in an available form, able to be taken up by the plant

Corn Evaluations



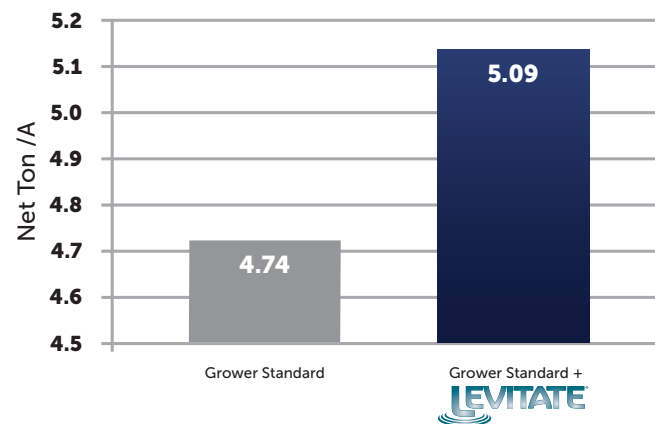
Source: 2015 data collected from over 30 evaluation sites across the Corn Belt. RISER applied at 2.5 gal/A and LEVITATE applied at 2-3 gal/A.

Soybean In-Furrow Evaluations



Source: 2015 data collected from 17 comparisons. LEVITATE applied at 1 gal/A in furrow at planting.

Snap Beans



Source: 2015 data collected from 3 replications. LEVITATE applied at 2-4 gal/A at sidedress timing.

AT A GLANCE

APPLICATION	Soil-applied starter fertilizer with foliar flexibility
KEY INGREDIENTS	Highly available phosphate and critical zinc
KEY FEATURES	<ul style="list-style-type: none"> • 5-15-5, with 1.5% EDTA chelated zinc and fertilizer efficiency technologies: <ul style="list-style-type: none"> » ACA » Fertilizer Biocatalyst » Fulvic acid

USES AND RATES

KEY CROPS	SOIL APPLIED RATE	FOLIAR APPLIED RATE
Cereal Grains (Corn, Wheat, Grain Sorghum)	1-5 gal/A in-furrow or 2x2	2-4 qts/A per application
Legume Vegetables (Dry Beans, Edible Beans, Soybeans)	2-4 qts/A	1-4 qts/A per application
Root and Tuber Vegetables (Potatoes, Sugarbeets)	2-3 gal/A	1 gal/A per application

See product label for information on additional crops and for specific details on uses and rates.

COMPLIMENTARY PRODUCTS TO LEVITATE

NutriSync®

A foliar technology designed to enhance plant physiological activities and growth of various crops. NUTRISYNC® mobilizes nutrients to areas of peak demand within the plant so that they can be efficiently utilized to fulfill the plant's nutritional demands.

Radiate®

A patented formulation of IBA and kinetin, in optimized ratios, to enhance early season vigor and drive maximum root growth. The proven technology in RADIATE® provides growers with consistent performance across a wide variety of crops.

*Radiate is not Registered in the State of California

SNIPER® LFR

An insecticide* applied at planting, SNIPER® provides a zone of protection that controls pests before seed or seedling damage ever takes place.



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For questions or information,
contact your Loveland Products LSM.

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*SNIPER is a restricted use pesticide.

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