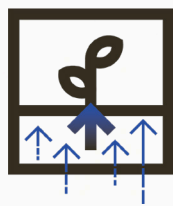




A CARBON-BASED FERTILIZER THAT YIELDS RESULTS.



IMPROVED
CROP
PERFORMANCE



INCREASED
NUTRIENT
UPTAKE



MAXIMIZED
NUTRIENT
DISTRIBUTION



ENHANCED
SOIL
HEALTH



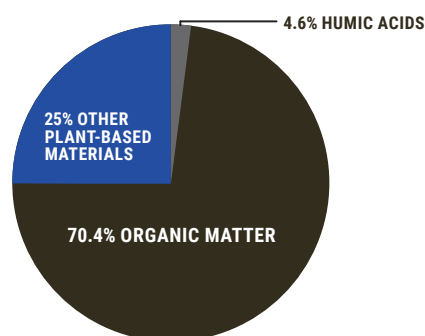
MAXIMIZE YOUR SOIL POTENTIAL.

MAXIMIZE YOUR SOIL POTENTIAL.

ENHANCED SOIL HEALTH

- TerraNu contains a highly-soluble source of carbon that stimulates soil biology.
- Increased biological activity improves nutrient exchange, water-holding capacity and soil structure – enabling your soil to work more efficiently and effectively.
- TerraNu's nutrient-rich carbon enables soil microbiology to consume it, be held in soil microbes and then released in a more plant-available form.

Nutrients in TerraNu's Carbon



■ Organic Matter (e.g. Carbon, Organic Nitrogen, Organic Phosphorus)
 ■ Additional Manure-Sourced Nutrients (N, P, K, Ca, Mg, S, Micronutrients, etc.)
 ■ Humic Acids

MAXIMIZED NUTRIENT DISTRIBUTION

- TerraNu's homogenization ensures that every granule has the same nutrient analysis and optimizes uniform root interception.
- The uniform distribution of TerraNu's nutrients increases root feeding sites and reduces hot spots, therefore providing more plants with access to available nutrients.
- TerraNu MicroPack provides up to 36x improved distribution compared to other micronutrient sources when applied at 50 lbs. per acre (lbs./ac.) (illustrated below).

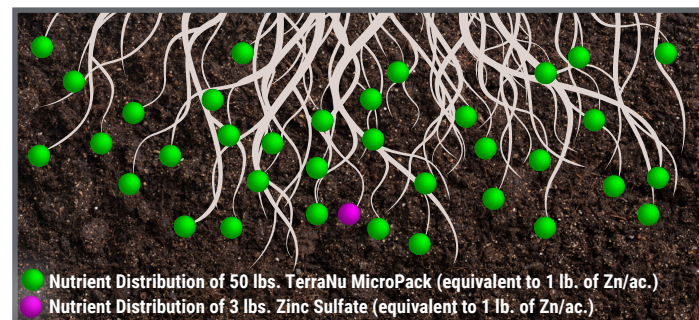
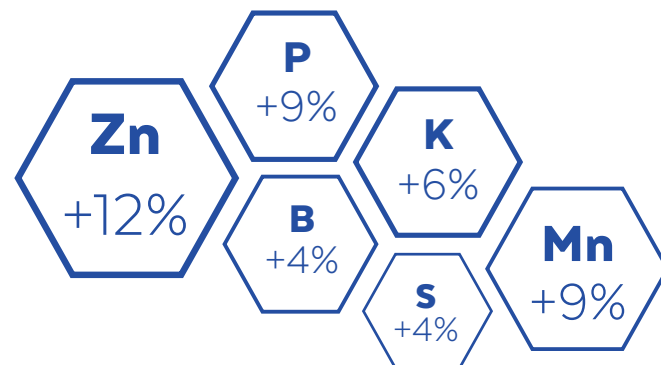


Illustration represents quantity of TerraNu vs zinc sulfate granules in a square ft. of soil.

INCREASED NUTRIENT UPTAKE

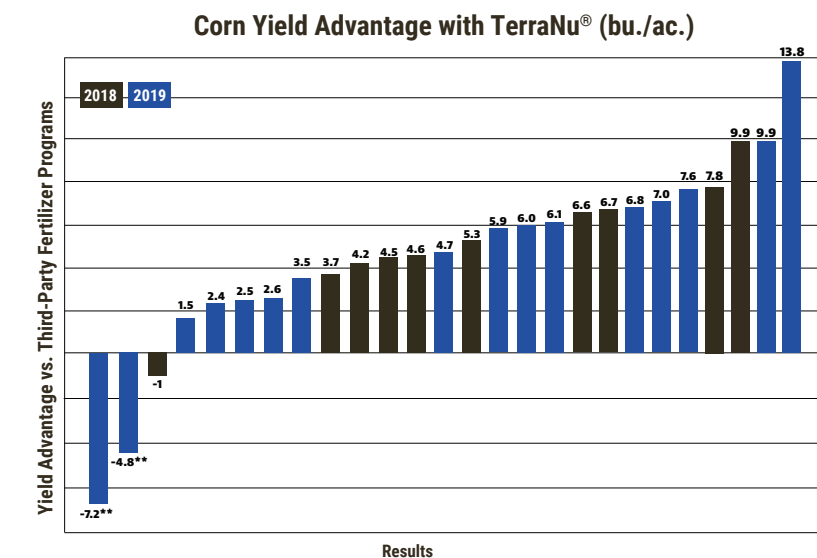
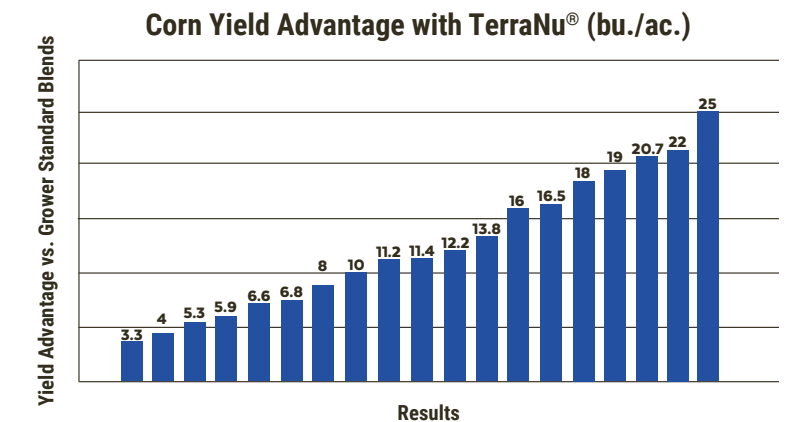
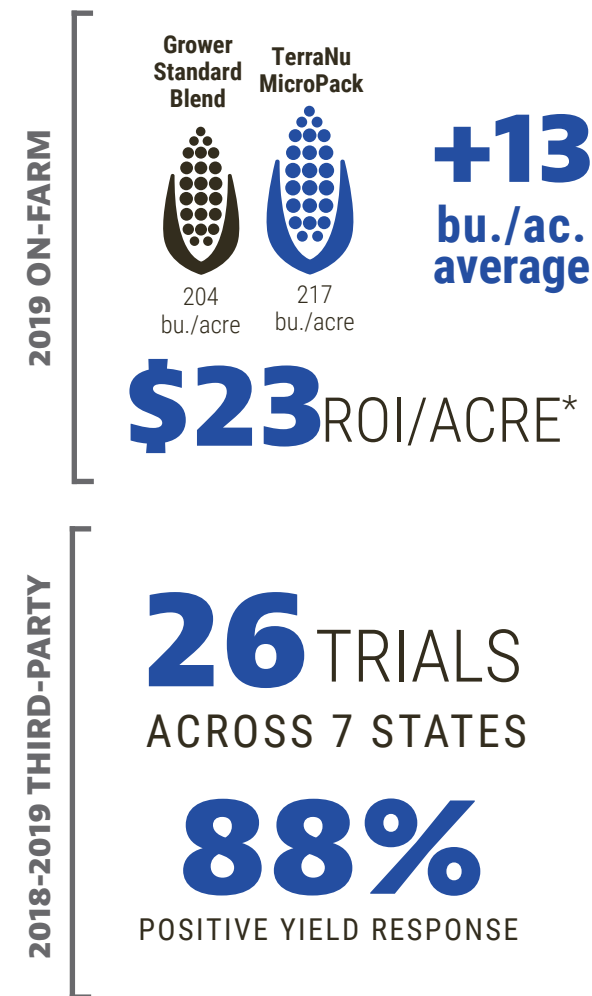
- TerraNu's innovation allows for the combination of rapidly-available carbon and sulfate-based nutrients, enhancing nutrient availability and reducing losses.
- Add TerraNu to your existing fertilizer blend for enhanced nutrient uptake or utilize it as a standalone application to feed crop performance from start to finish.
- 89% of 2019 on-farm corn trials demonstrated improved nutrient uptake at VT.*

AVERAGE INCREASE IN NUTRIENT UPTAKE (2019 ON-FARM CORN VT TISSUE TESTING)*



PROVEN CROP PERFORMANCE

TerraNu MicroPack Corn Trials Data:



*ROI calculation used an average 2019 corn price of \$3.80, and is based on an average application rate of 42 lbs./acre of TerraNu MicroPack vs. a grower standard blend. Performance may vary.
 **Trials faced extremely adverse growing conditions which included late-season planting and were heavily saturated due to excessive rainfall after planting.

LEARN MORE AT TERRANU.INFO

*On-farm trial studies compared 42 lbs./acre of TerraNu MicroPack vs a grower standard blend.

"I think the biggest surprise were the text messages and pictures that we started receiving right out of the gate. To see the emergence on the small grains was almost unbelievable. And other growers were sending us text messages of wheat with TerraNu that was out of the ground three to five days sooner than the check. We saw these types of responses all year long and it attributed to yield increases ultimately."

- Travis Messer, Agronomist
 Plains Grain & Agronomy, Mott, ND



PRODUCT FORMULATIONS

TerraNu carbon-based fertilizer is available in three unique formulations for a perfect fit into your fertility program.



A great source of calcium, sulfur and boron.

Guaranteed Analysis:

Sulfur (S)	5.0%
Calcium (Ca)	18.0%
Boron (B)	0.08%
Carbon (C)	33.0%

Ingredients:

A homogeneous granule of manure digestate, lime, calcium sulfate and borate.

Typical Application Rates:

Apply at 200-400 lbs. per acre.*

Testimonial:

"This is our third year of applying TerraNu, and we're continuing to see great results year-after-year. We experienced a 5% increase in our hundredweight/acre this year, and we know TerraNu Calcium played a role in that."

- Darwin Eisenga, Marion, MI
Potato Grower

A complete micronutrient package plus N-P-K-S-Ca-Mg.

Guaranteed Analysis:

Nitrogen (N)	3.0%
Phosphorus (P)	3.0%
Potassium (K)	3.0%
Sulfur (S)	7.0%
Magnesium (Mg)	1.7%
Calcium (Ca)	2.0%
Boron (B)	1.5%
Copper (Cu)	1.0%
Iron (Fe)	1.0%
Manganese (Mn)	1.5%
Zinc (Zn)	2.0%
Carbon (C)	32.0%

Ingredients:

A homogeneous granule of manure digestate, potassium magnesium sulfate, borate, ammonium sulfate, zinc sulfate, manganese sulfate, monoammonium phosphate, copper sulfate, iron sulfate and lime.

Typical Application Rates:

Apply at 30-50 lbs. per acre.*

Testimonial:

"The main reason I chose TerraNu MicroPack is because it's 250-bushels worth of micronutrients in just one easy pass. It's helping me be more efficient with the fertilizer I apply, saving me dollars per acre and improving my yield."

- Marshall Fink, Lanark, IL
Corn Grower

A stand-alone N-P-K and complete micronutrient package.

Guaranteed Analysis:

Nitrogen (N)	6.0%
Phosphorus (P)	10.0%
Potassium (K)	8.0%
Sulfur (S)	7.0%
Magnesium (Mg)	1.0%
Calcium (Ca)	3.0%
Boron (B)	0.15%
Copper (Cu)	0.10%
Iron (Fe)	0.10%
Manganese (Mn)	0.15%
Zinc (Zn)	0.20%
Carbon (C)	30.0%

Ingredients:

A homogeneous granule of manure digestate, ammonium sulfate, monoammonium phosphate, sulfate of potash, potassium magnesium sulfate, lime, borate, zinc sulfate, manganese sulfate and copper sulfate.

Typical Application Rates:

Apply at 100-400 lbs. per acre.*

Testimonial:

"TerraNu's balanced nutrition led to increased plant height, earlier emergence, pod set and the overall development of the soybeans was tremendously better. We saw a 12-20 bushel increase with TerraNu Ignite on our strip-till soybean trial."

- Travis Messer, Agronomist, Plains
Grain & Agronomy, Mott, ND

LEARN MORE AT TERRANU.INFO

*Soil tests and crop nutrition should be evaluated to calculate the appropriate rate. Performance may vary. TerraNu is a registered trademark of Midwestern BioAg. ©2020 Midwestern BioAg, Inc. For more information, visit TerraNu.info or call 800-327-6012.

