

SYMTRX™

THE SUSTAINABLE WAY TO INCREASE YIELDS
AND IMPROVE SOIL HEALTH



SYMTRX™ PLANT NUTRIENT

A better way to grow – the innovative solution to cultivate strong, healthy crops in a natural way.

We applied the natural principles associated with organic matter in the soil to create a novel, enhanced efficiency plant nutrition product. Through a patented proprietary process, SymTRX™ uses our Organic MaTRX™ to bind with nutrient ions, creating homogenous, multi-nutrient, slow-release products that transform reclaimed organic matter into high-performance plant nutrients. Leading to improved soil health and optimized growth, in perfect symmetry with nature itself.

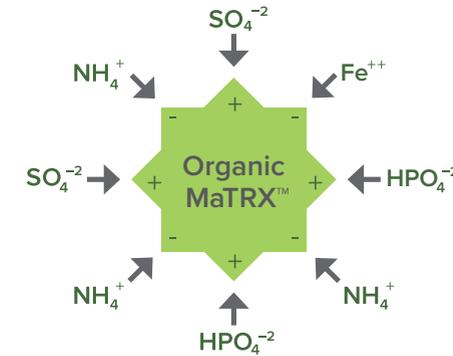
More efficient nutrient delivery leads to increased production and higher yields, while contributing to a better environment by reducing loss of nutrients via leaching or volatilization. All of which translate into higher efficiency and better economics, in a sustainable way.



SYMTRX™ TECHNOLOGY

The Organic MaTRX – a novel slow-release nutrient delivery system.

Organic MaTRX is the foundation of all our products. By mimicking the natural traits of organic matter in soil, it delivers nutrients in a new, highly effective, sustainable way. The Organic MaTRX possesses both positive and negative charges providing docking sites for desired nutrients like ammonium (NH_4^+), phosphate (HPO_4^{-2}), and sulfate sulfur (SO_4^{-2}).



Cation and Anion Absorption (Sequestration) by Organic Matter (OM)





SYMTRX™ FEATURES

Dual release

SymTRX™ is a slow-release product that works over time. 65% of N is released in the first two weeks in the form of NH_4 which is readily available and usable by the plant. The balance of N becomes available as the Organic MaTRX™ is slowly broken down in the soil, delivering nutrients continuously for six to eight weeks.

The slow release nature of our product supports the industry 4R Nutrient Stewardship initiative: the **R**ight fertilizer source, at the **R**ight rate, at the **R**ight time, with the **R**ight placement.

Homogenous multi-nutrient products

Uniform, consistent delivery of nutrients provides efficient, even feeding. SymTRX delivers nutrients in usable forms like ammonium N, ortho phosphate and sulfate sulfur for effective and efficient results. SymTRX products can be used alone, or blended to enhance the delivery of nutrients needed for healthy crops.



SYMTRX™ FEATURES

Soil health

With each granule containing up to 17% organic matter, SymTRX nourishes in a natural way that boosts plant absorption and decreases nutrient loss via leaching or volatilization. Making for healthier soil, increased root-zone health and stronger yields.

Sulfur

Sometimes called “the 4th major nutrient”, sulfur is essential in crop production and has become more important as a limiting nutrient in crop production. The sulfur delivered by SymTRX, particularly in balance with N, make it an important ingredient in any mix where sulfur is desired. Crops having high N needs will usually also have high sulfur needs. SymTRX delivers both in highly available forms.

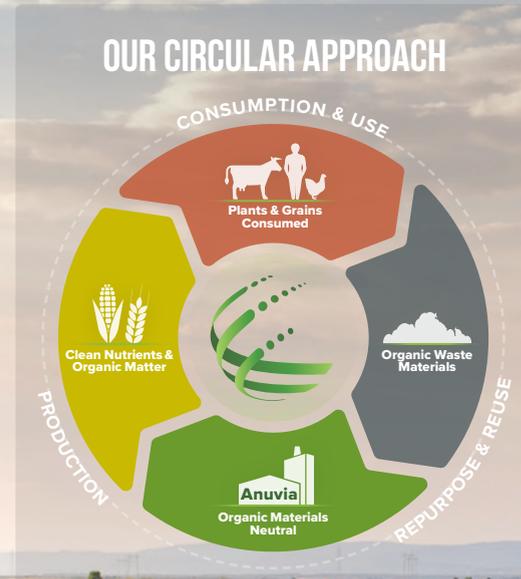
Storage and application

Our products are clean, dry, hard granules which can be easily stored and handled in traditional agricultural equipment and warehouses.

GOOD FOR PEOPLE, PLANTS AND PLANET

We manufacture high-performing, sustainable fertilizer products by reclaiming organic materials in the last step of their lifecycle and repurposing them with no waste stream. This patented, circular process breaks down the organics to their natural building blocks and combines them with inorganic nutrients that require no artificial polymers or coatings.

The result is healthier crops, less nutrient loss via leaching and volatilization, and the confidence you're using a product that is good for people, plants and planet.



A SUSTAINABLE SOLUTION

In today's ever-growing world, finding sustainable ways to make the things we need is of the utmost importance. We work to do just that by using organic materials to manufacture slow-release plant nutrients in a patented, innovative way. Incorporating a range of organic materials allows us to deliver our plant nutrients with social, environmental and economic sustainability.



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