precise

BLUE is an ammoniated, homogeneous granular fertilizer formulated with award-winning, patented ingredients proven to improve fertilizer efficiency.

BLUE features a combination of two natural extracts

High-Molecular Weight Carbon Fraction

A stable, high-molecular weight carbon complex that has patented extraction and activation processes. This allows the complex to "hold" nutrients with both positive and negative charges.

Precision Micro-Algae Extract

A specifically isolated strain that promotes root exudates, the colonization of native rhizobacteria and mycorrhizal fungal populations. This increases plant nutrient uptake and promotes soil health.

Precise amounts of each nutrient – primary and secondary – as well as micronutrients, are chemically compounded to form a homogeneous mixture. As a result, each granule contains nearly identical amounts of all the ingredients. Granules are uniform in size, shape & weight, which allows the fertilizer to spread evenly.

BLUE can be used as singular source for all necessary nutrients, or as a part of a blend to reap the benefits of enhanced fertilizer efficiency across every acre.

protect

48%
Reduction in Nitrate Leached at 20 Days

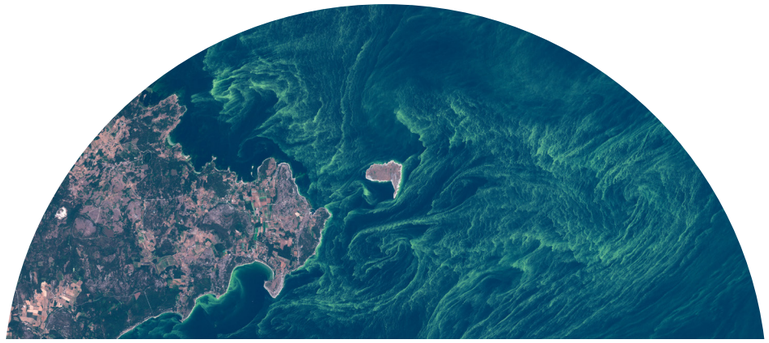
43%
Reduction in Total P Lost to Runoff

37%
Reduction in Total N Lost to Runoff

4R Nutrient Management is important for the future of all fertilizer usage

Surface runoff of phosphorus (P) and leaching of nitrate-nitrogen (NO_3^-) are two of the greatest threats to the fertilizer industry today. These elements can enter groundwater systems and affect the quality of water used by humans for consumption (wells, public areas, etc.).

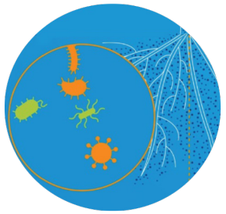
The tools used in every granule of BLUE utilize some of the most functional parts of nature. Our studies have proven that BLUE in fertilizer can reduce nitrate leaching, as well as reduce nitrogen and phosphorus runoff.



perform

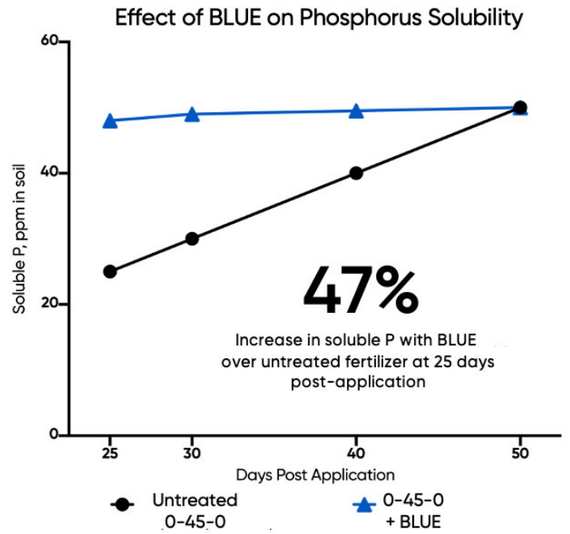
On top of having a complete set of nutrients in every granule, BLUE contains natural substances that benefit agronomic production and work to maximize peak performance from the soil to the plant.

+5%
In Rhizobacteria Population



+9%
In Mycorrhizal Fungi Population

- BLUE has shown the ability to increase microbial populations which can help facilitate improved P transport to the roots.
- BLUE protects phosphorus from retrograde tie-up and increases soil P availability.



BLUE maintained soluble phosphorus in conditions of aggressive retrograde tie-up (calcareous soil with pH of 7.9). Data presented is the average of 3 soil with fertilizer replicates.

Untreated Fertilizer	Fertilizer + BLUE

+5.88%
Average Yield Increase Over Untreated Fertilizer

92.5%
Positive Yield Response with BLUE

All Crop Yield Percentage Response (+/-) from Fertilizer with BLUE
94 Trial Sites listed by State, Crop, & Year (2010-2022), 340 Total Replicates

BLUE
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Timac AGRO USA

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A collaboration from

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RAINBOW PLANT FOOD

Rev. 05/23

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High Efficiency Homogeneous Granular Fertilizer