



Biologicals Spotlight:

Helping Crops Utilize Phosphorus in the Soil

Phosphorus is a critical nutrient for plant health, playing an important role in root growth and photosynthesis, which in turn facilitates plant reproduction and grain and seed production. Proper amounts of phosphorus also contribute to improved crop quality, increased root growth, better stalk strength, more efficient water use and earlier maturity. Without sufficient phosphorus, plant formation and maturity may be delayed, leading to decreased crop yield.

Plants can only absorb phosphorus from the soil, where it has been deposited from weathering rocks, organic matter (including manure) or inorganic sources such as fertilizers. Most soils are rich in phosphorus, but high phosphorus in the soil doesn't necessarily translate into high phosphorus uptake in a plant. Phosphorus in the soil can bind to other elements, making it difficult for plants to access. In fact, around 80% of the phosphorus in the soil is immobile, meaning plants can't take it in.

Utrisha® P nutrient efficiency optimizer contains naturally occurring bacteria that help "unlock" phosphorus in soil, making more of it available to plants below ground. The bacteria colonize in plant roots and help convert phosphorus in the soil into a form plants can take in. Utrisha P also stimulates root growth to help plants reach more phosphorus in the soil. With stronger roots, plants can also better access water and other nutrients, making crops hardier and more resilient.

Watch this video to learn how Utrisha P helps crops access more phosphorus throughout their life cycles.



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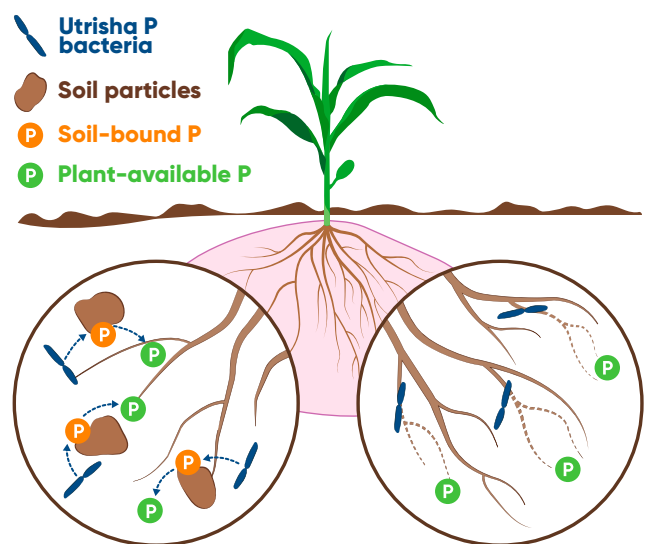
Benefits of Utrisha P:

- Unlocks soil-bound phosphorus to help crops reach their full potential.
- Increases root stimulation to allow crops to access more water and nutrients for overall improved crop vigor.
- Versatile formulation allows for low use rate.*
- Tank-mix flexibility that is compatible with most liquid fertilizers and crop protection products with the exception of copper-containing products. Before tank-mixing, make sure tanks are free from copper or microbial residues.

Adding Utrisha P to a seed treatment regimen can help farmers build a well-rounded, sustainable nutrient management plan for optimized crop yield potential.

* Higher rates may be beneficial in more stressful conditions, such as cold soils, saline soils, compacted soil or moisture stress.

Utrisha P helps release soil-bound phosphorus and stimulates root growth.



Utrisha P increases access to plant-available phosphorus by releasing soil-bound phosphorus

Utrisha P stimulates root growth which helps crops reach more phosphorus