

ROOT MAGNUM™ 0-8-5

TECHNICAL FACT SHEET

Revolutionary input reduction of phosphorus using nano particle technology and carbon complexing.

Root Magnum™ is a step change in fertilizer efficiency, delivering more phosphorus per pound of applied material for less required inputs per acre versus conventional fertilizers.

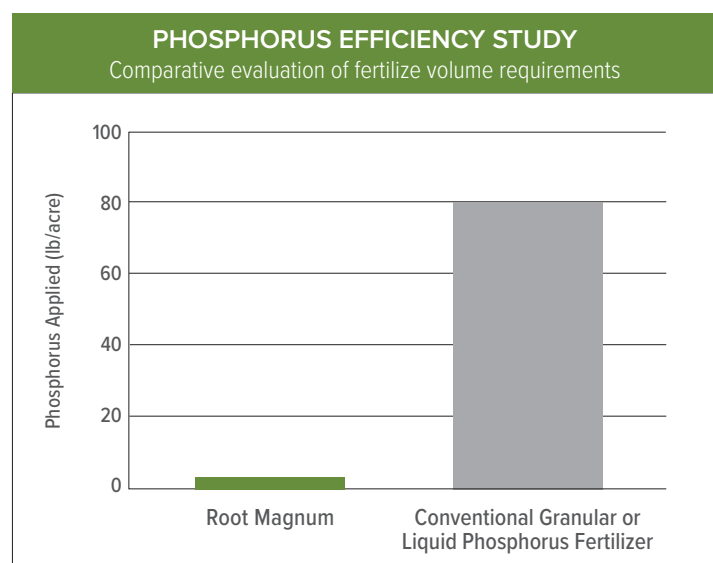
Combining next-generation technology with proprietary formulation processes, Root Magnum maximizes nutrient impact and effectiveness in plants, while stewarding the environment with ultra-low use rates.

Phosphorus Efficiency at it Best

Root Magnum significantly lowers applied phosphorus inputs per acre by delivering nano-sized, ion-protected complexed phosphate molecules which prevent 'tie-up' in the soil.

The fluvic and humic acid complexes in Root Magnum are formulated to deliver the nano nutrients directly to the plant.

In addition, Root Magnum contains a proprietary combination and blend of amino acids, minerals and vitamins that promote abundant lateral root growth.



Root Magnum incorporates amino acids and carbon to protect negatively charged phosphorus molecules from forming insoluble bonds with other ions in the soil. With phosphorus delivered in a plant-available formulation for immediate uptake, Root Magnum significantly reduces fertilizer volumes applied per acre versus conventional phosphorus sources.

Guaranteed Analysis

Available Phosphate (P_2O_5) 8.00%
Soluble Potash (K_2O) 5.00%

Derived from: Monopotassium Phosphate

Product Features

- Highest available phosphorus fertilizer
- Ultra-low application rates / 1-3 quarts per acre
- Clean, easy-to-handle solution
- Low impurities. Low salt.

Performance Benefits

- Supplies available nutrients to your crop
- Optimizes plant health for better yield potential
- Promotes quick, uniform emergence
- Will not corrode application equipment

Application Recommendations

Root Magnum can be soil or foliar applied and is tank mix compatible with other fertilizers or agricultural chemicals.

Soil Spray: 2 to 6 quarts per acre

Controlled Irrigation: 2 to 4 quarts per acre

Foliar: 2 to 4 quarts per acre

Root Dip: 3 quarts per 10 gallons of water

Root Drench: 1 pint per 10 gallons of water

ROOT MAGNUM™

TECHNOLOGY SO ADVANCED, THERE'S NO COMPARISON

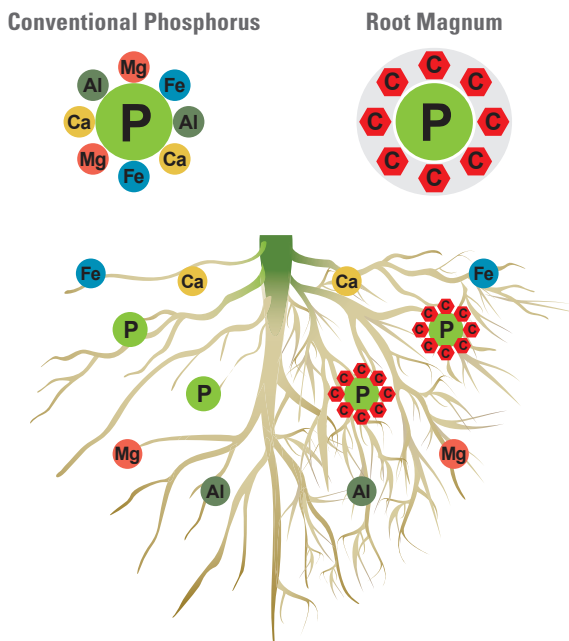
Working in perfect symmetry, Root Magnum™ is designed with four unique technologies.

- 1 Proprietary Formulation** - combining advanced chelation, carbon complexing, and a patented blend of amino acids, vitamins, macro and micros in a homogeneous, stable mixture where every drop contains the identical formulation.
- 2 Nano-Scale Particle Sizing** - using ultrasonic cavitation to convert nutrient material into nano-size particles - making them immediately available to the plant with effortless uptake by roots and easier entry through leaves.
- 3 Nano Encapsulation** - protecting individual nutrients with a carbon amino acid shell that prevents nutrient tie-up with charged ions in the soil or on the plant - allowing nutrients to reach the plant without issues or obstacles.
- 4 Oxygen-Infused Nanobubbling** - nanobubble gases are added to fertilizer and soil amendments to improve physical properties and oxygen levels resulting in higher efficiency so that fewer inputs are required per acre.

THE ROOT MAGNUM ADVANTAGE

Phosphorus has a reactive negative charge that creates chemical challenges in the soil. Elements like calcium with a positive charge cation, create undesirable reactions that render phosphorus unavailable for plant assimilation with the majority of applied phosphorus becoming 'tied-up' in the soil environment.

Root Magnum eliminates this challenge by placing a protective net neutral shell made of amino acids and carbon around the phosphorus molecule.



Root Magnum's unique net neutral shell allows phosphorus to avoid roadblocks or sequestration during its journey from soil to plant - preventing soil 'tie up' with positively charged cation nutrients, like calcium.



For more info call 888-312-4384 or visit anchoragsolutions.com.



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