

NITREA PLUS

Liquid Nutrient Enhancer

Product Description

NITREA PLUS is a negatively charged, biodegradable amino acid polymer. In the soil, these polymers attract positively charged ions and prevent them from forming insoluble complexes, such as nitrates, phosphates, sulfates, chlorides, and bicarbonates. The biggest advantage of using NITREA PLUS is that it results in higher concentrations of readily available nutrients within the soil solution, creating nutrient-rich, healthy soils. With higher nutrient availability, plants will grow larger, stronger, and faster. Additionally, nutrient-dense soils better support soil microbial populations, which are necessary for increasing organic material in the soil.

This product is unique because of its molecular size - NITREA PLUS is small enough to remain highly water soluble, but large enough where it cannot be taken up by the plant. The molecular structure of the polymer also allows for it to act as a humectant, attracting and retaining moisture in the soil.

With the addition of NITREA PLUS, growers in a variety of growing environments can increase the efficiency of their traditional nutrient management programs.



Contact AgronX to improve your soil efficiency.

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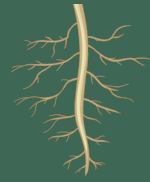
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N+ K+
Ca+ P+ Mg+

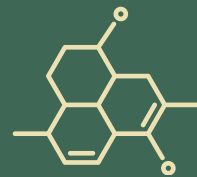
Enhance nutrient uptake through the increased availability of nutrients.



Facilitate rise in root hair growth, increasing root surface area, thus increasing nutrient uptake capability.



Attract and retain moisture in the soil.



Inhibit the formation of insoluble, plant - unavailable compounds.



Boost microbial populations and facilitate the increase in soil organic matter.



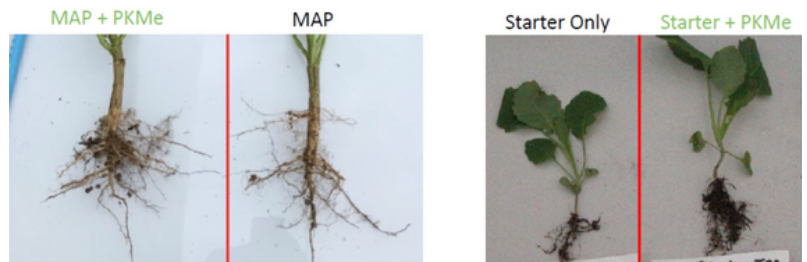
Flexible delivery methods - apply with or without granular or liquid fertilizers in furrow, side-dress, broadcast or through irrigation.

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NITREA PLUS Effects on Root Morphology

In multiple studies, NITREA PLUS has been seen to increase root branching, as well as root hair growth. With an increase in root morphology, plants are given better access to available nutrients in the soil. Accessibility to these nutrients directly correlates to increased nutrient efficiency. In other words, plants will be able to more effectively utilize the nutrition from fertilizer programs. This results in stronger, faster growing plants.



34% Increase in Root Hair Growth and 21% Increase in Seminal Roots



NITREA PLUS Impact

- Significant increase in nutrient uptake.
 - **150-200%** increase in nutrient uptake in nutrient-deficient soils.
- NITREA PLUS helps plants access nutrient in the soil more efficiently.
 - **Increase Yield.**
 - **Reduce fertilizer costs.**
 - **Facilitate healthier plants.**

NITREA PLUS Research and Field Trials

Crop	# of Trials	Yield Increase per Acre
Burmudagrass	6	6.4-36.3%
Cotton	37	211 lbs
Field Corn	539	7.56 bu
Rice	3	12.80%
Soybeans	74	3.14 bu
Sugar Cane	7	578 lbs
Tomatoes	32	7.8-13.9%
Winter Wheat	82	8.74 bu