

Infused granular nitrogen fertilizer for rice production

NITREA 45NU & NITREA 45NU PLUS

Features and Benefits

- Reduces volatilization of ammonia gas
- Helps keep nitrogen source in its ammonium form longer allowing for the longest use of the available nitrogen
- Complexes positively charged nutrients in the soil promoting the increase in uptake of nutrients



Efficiency of N fertilization applications in rice crops can be reduced due to losses via volatilization, leaching, and nitrification-denitrification. Some studies have shown losses of available N, can be as much as fifty percent. The use of urease and nitrification inhibitors can greatly reduce the losses making more N available to the plant for a longer period of time.

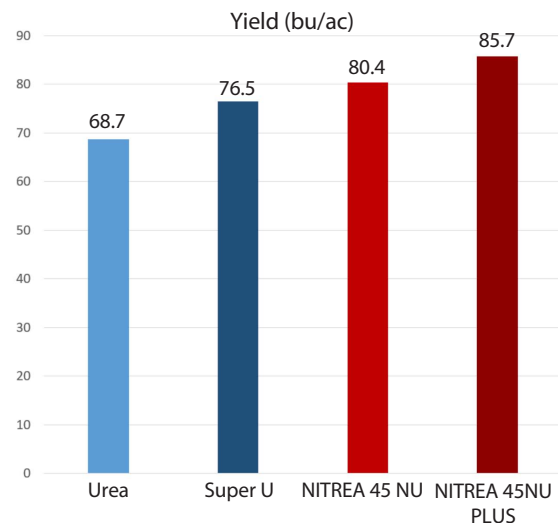
NITREA 45NU™

- Infused through a precise process
- Inhibits the activity of volatilization retaining usable nitrogen
- Slows the conversion of ammonium form to nitrate allowing plant to have more access to nitrogen longer without leaching away from growing zone

NITREA 45NU PLUS™

- Same inhibitors infused as NITREA 45NU
- Added PKMe nutrient enhancer
- Increases the uptake of both positive and negative charged nutrients in the soil

Rice Trial 2020 (Agricenter International, TN)



*2020 Rice Trial-Agricenter International, TN. NITREA 45NU yielded 20% additional revenue \$/ac vs. GSP (Grower's Standard Practice-Urea) and NITREA 45NU PLUS yielded 28% higher.

*Arkansas Rice: Using Urease Inhibitors. June 1, 2020. University of Arkansas. "Rarely do we find a product that works as consistently as an effective urease inhibitor and more often than not if conditions are prone to volatilization losses will more than pay for itself."

*Conference: Proceedings of the 2016 International Nitrogen Initiative Conference-Melbourne, Australia. Improving nitrogen use efficiency of irrigated rice (*Oryza sativa* L.): "Application of 50% of the recommended rate of urea treated with inhibitors could attain a grain yield similar to that of 100% of the recommended rate of urea so that 50% of the recommended rate of urea could be saved if urea is applied with DCD and NBPT."

AgronX understands a rice grower's investment in nitrogen fertilizer inputs and their interest in protecting the surrounding environment for all to appreciate.

Contact AgronX to improve soil efficiency

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