

NITREA NU

Infused granular nitrogen fertilizer

Features and Benefits

- Provides triple protection against nitrogen loss from volatility, nitrification and leaching
- Does not require hazmat placard; non-corrosive
- Is not a labeled pesticide. Does not kill bacteria in the soil
- Qualifies for NRCS Conservation Stewardship Program (CSP). Participants receive reimbursement from:
 - Air Quality Enhancement Activity: AIR08 nitrification inhibitor
 - Water Quality Enhancement Activity: WQL24 Enhanced Efficiency Fertilizer

What is NITREA™ NU?

NITREA NU is a fertilizer additive for urea and urea ammonium nitrate (UAN) fertilizers that is a dual action nitrification and urease inhibitor.

Urease inhibitor—Inhibits hydrolytic action on urea by urease enzymes, temporarily preventing volatilization.

Nitrification inhibitor—Compounds added to nitrogen (N) fertilizers to reduce the rate at which ammonium is converted to nitrate. Under appropriate conditions, this can help reduce nitrogen losses.

NITREA NU helps protect nitrogen from volatilizing and leaching.

How does NITREA NU work?

NITREA NU contains NBPT, N-(n-butyl) thiophosphoric triamide, which stabilizes surface applied nitrogen by inhibiting the activity of the urease enzyme, slowing hydrolysis thus minimizing ammonia volatilization loss.

NITREA NU also contains dicyandiamide (DCD) which slows the conversion of ammonium to nitrate by temporarily disrupting the activity of the bacteria *Nitrosomonas* thus minimizing leaching below ground.

Brazil Corn Trial: N @ 241 lb/acre Urea

Untreated check urea

NITREA NU treated urea



176 bu/ac

219 bu/ac

Contact AgronX to improve soil efficiency
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