

NITROGEN STABILIZER

NEW FORMULATION for 2026

About TritoN™ N-Stabilizer

TritoN N-Stabilizer is a dual-active nitrogen stabilizer that provides above and below-ground protection for all major nitrogen fertilizer sources. It contains 20% NBPT (N-(n-butyl) thiophosphoric triamide) and 20% DCD (dicyandiamide) in a patented solvent system with **NitroPatch™** polymer technology that enhances DCD performance. By combining a urease inhibitor with a **NitroPatch**-enhanced nitrification inhibitor, TritoN helps protect applied nitrogen against volatilization, leaching, and denitrification, improving nitrogen use efficiency and maximizing yield potential.

Modes of Action

NBPT – Urease inhibitor

NBPT temporarily inhibits the urease enzyme in the soil and residue, slowing the conversion of urea to ammonium and reducing the potential for ammonia volatilization from surface-applied urea and UAN.

DCD with NitroPatch – Nitrification inhibitor + extender

DCD suppresses *Nitrosomonas* activity, slowing the conversion of stable ammonium (NH_4^+) to leachable nitrate (NO_3^-). Keeping more nitrogen in the ammonium form reduces nitrate leaching and denitrification losses and keeps nitrogen in a form that is better retained on soil colloids and available for plant uptake. **NitroPatch** polymer technology reduces DCD mobility in the soil and extends the active life of DCD, providing longer-lasting below-ground protection than conventional DCD formulations.

Application Instructions

Urea and UAN Solutions: Apply 1-3 qt./ton



ACTIVE INGREDIENTS

NBPT (N-(n-butyl) thiophosphoric triamide).....	20.0%
Dicyandiamide (DCD).....	20.0%
Solvents, polymers and inert ingredients.....	60.0%
Total.....	100.0%

Nitrogen Stabilization Trial

UAN DATA (TritoN N-Stabilizer vs. a leading competitor nitrogen stabilizer)

Soils Retained 5.3% More Total Nitrogen	With 5.5% Less Nitrogen Lost*
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- Use Rate: 2 qt./ton.
- Treatments were applied to moist soil and left for two weeks before initiating simulated rainfall events of 1.5" three times every 24 hours for a total of 4.5" of rainfall.
- Soils and leachate water were then sent to a third-party lab for analysis.

*TritoN treated UAN led to 5.5% less total nitrogen loss via leaching, volatilization, and denitrification.

UREA DATA (TritoN N-Stabilizer vs. a leading competitor nitrogen stabilizer)

Soils Retained 16.8% More Total Nitrogen	With 12.3% Less Nitrogen Lost*
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- Use Rate: 1 gal./ton.
- Treatments were applied to moist soil and left for two weeks before initiating simulated rainfall events of 1.5" three times every 24 hours for a total of 4.5" of rainfall.
- Soils and leachate water were then sent to a third-party lab for analysis.

*TritoN treated Urea led to 12.3% less total nitrogen loss via leaching, volatilization, and denitrification.