

Hydra-Extend

Nitrogen Stabilizer for Dry and Liquid Fertilizers



Hydra-Extend is a patented formulation of two active ingredients of nitrogen stabilizer. This patented formulation uniquely allows for more complete nitrogen protection, helping to prevent nitrogen loss from volatilization, denitrification and leaching. Due to Hydra-Extend's unique ability to combine multiple active ingredients into the same product, this product can be used for both liquid solutions such as UAN as well as granular fertilizers such as urea.

ACTIVE INGREDIENTS:	
NBPT	20.0%
DCD	20.0%
USE RATES	
When used with urea: 2-3 Qts / Ton	
Used with UAN solutions: 1.5 – 2.5 Qts / Ton	

NBPT: N-(n-Butyl)thiophosphoric triamide

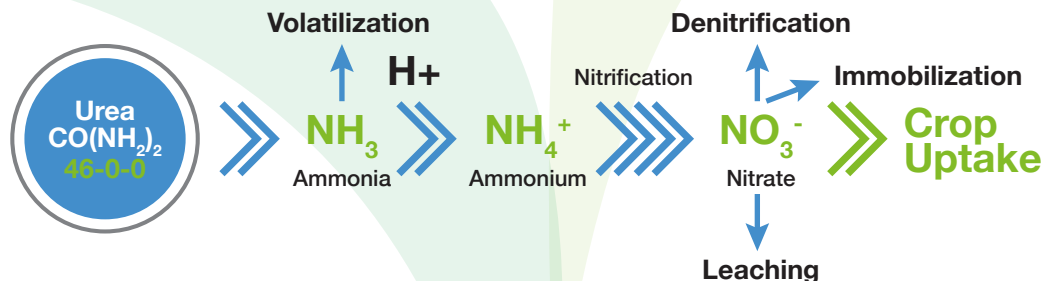
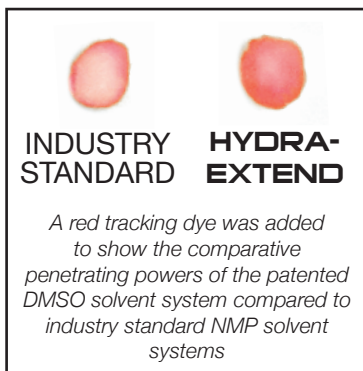
NBPT guards against nitrogen loss due to volatilization of urea. NBPT slows the activity of the urease enzyme so that urea nitrogen isn't converted into ammonia gas (NH₃) before it is converted into the more stable, plant available ammonium form (NH₄). Without treatment, up to 50% of applied urea-based fertilizers can be lost to volatilization. Hydra-Extend can be used on both dry urea prill as well as liquid solutions containing urea.

DCD: Dicyaniamide

DCD slows the activity of bacteria that convert ammonium forms of N into nitrite and nitrate forms of N. Nitrate forms of nitrogen are subject to leaching and when supplied rapidly to the plant, nitrates can stimulate unwanted growth and increase susceptibility to disease pressure. This active is highly effective for UAN solutions as well as liquid solutions of AMS and any nitrate-based liquids.

Patented Solvent System

Hydra-Extend uses DMSO (Dimethylsulfoxide) as the solvent. This allows higher concentrations of actives and uniquely allows the combination of both DCD and NBPT for more complete nitrogen protection. When applying Hydra-Extend to urea prill, the fast-drying solvent will penetrate the urea more thoroughly than competitive solvent systems without degrading the prill and with much less residue formation on blending equipment.



Protect your nitrogen investment from nitrogen loss due to volatilization, denitrification and leaching with our suite of patented nitrogen protection products.



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