

NITROGEN STABILIZER

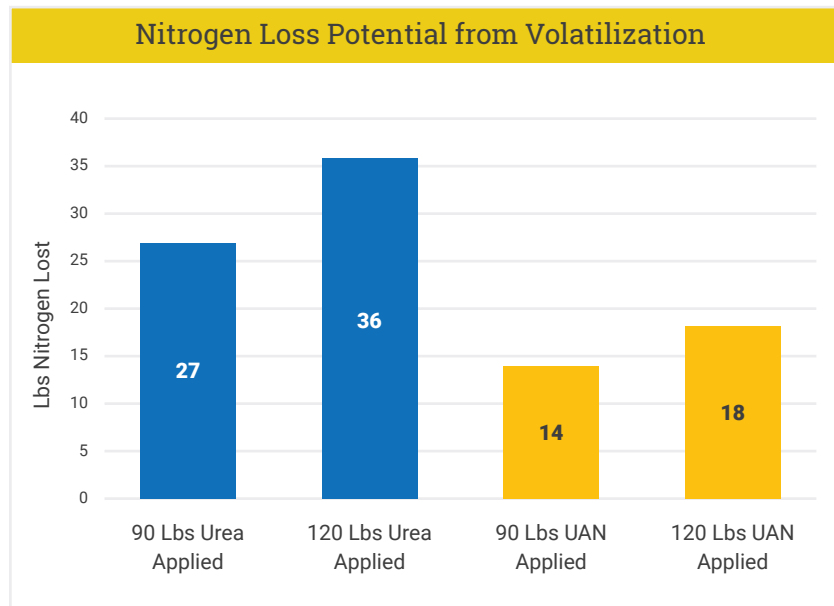
What is Source NBPT 20?

Source NBPT 20 is a nitrogen stabilizer product containing NBPT for volatility protection. On the soil surface, NBPT reduces the risk of volatility loss by inhibiting the activity of the urease enzyme. This keeps it in the urea form longer, minimizing nitrogen loss to the atmosphere and protecting it until it enters the topsoil.

Features & Benefits:

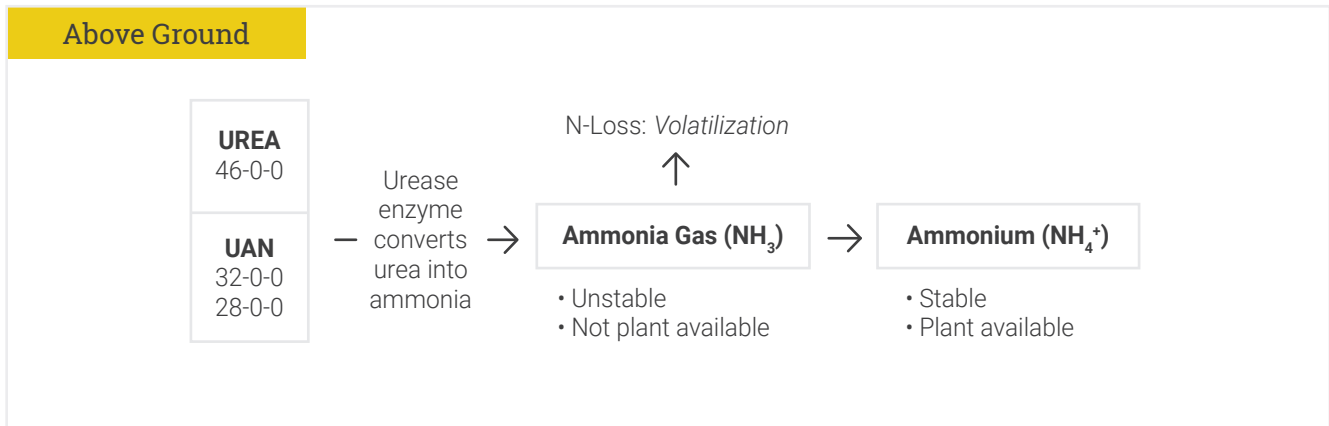
- Suggested use rates: 2 quarts / ton Urea, 1.5 quarts / ton UAN
- Use when nitrogen is surface applied
- NBPT reduces nitrogen volatility for 14 - 28 days
- Active ingredients NBPT (N-(n-butyl) thiophosphoric triamide) is an AAPFCO approved urease inhibitor
- Ask your NRCS rep about Conservation Practice 590 for cost-share using NBPT

This graph shows pounds of nitrogen that can be lost to volatility assuming 30% loss of only the vulnerable portion. Nitrogen loss for urea in blue and nitrogen loss for UAN shown in orange.



NITROGEN STABILIZER

Nitrogen Conversion



NBPT: Mode of Action

NBPT (urease inhibitor)- NBPT inhibits the activity of the urease enzyme. This delays the breakdown of the urea molecule into the ammonia gas form that is vulnerable to volatilization loss. NBPT can delay urea hydrolysis for 14 – 28 days, minimizing nitrogen loss to the atmosphere until it can enter the topsoil where it is no longer susceptible to volatilization.