

Concept NRP

Concept NRP is a fertilizer additive that drives the release of plant available nitrate from urea and holds ammonia in the root zone.

TYPES OF NITROGEN STABILIZERS

- Urease inhibitor - stops conversion of urea to ammonia
 - **Biological suppression**
- Nitrification inhibitor - stops conversion of ammonia to nitrite
 - **Biological suppression**
- NRP Polymer - Lightly holds ammonia in root zone to be released with root hydrogen exchange.
 - **Biologically healthy**

ENZYMES

- NRP Enzymes convert urea to plant available ammonia
 - Enzymes **MAKE** nitrogen plant available

POLYMERS

- NRP polymer holds ammonia in the roots zone until plant root releases hydrogen
 - Polymers **KEEP** nitrogen plant available

RECOMMENDED RATES

50 oz per 100 gal fertilizer

PACKAGE SIZES

2x2.5 gallons

MAX TREATMENT

1,280 gallons fertilizer

APPLICATION

Liquid Fertilizer - 0.39% v/v (50 fl oz per 100 gallons) for liquid nitrogen fertilizer. Mixing Instructions: (1) Fill tank with 50% of total desired liquid fertilizer, (2) Add **Concept NRP**, (3) Agitate and add balance of fertilizer.

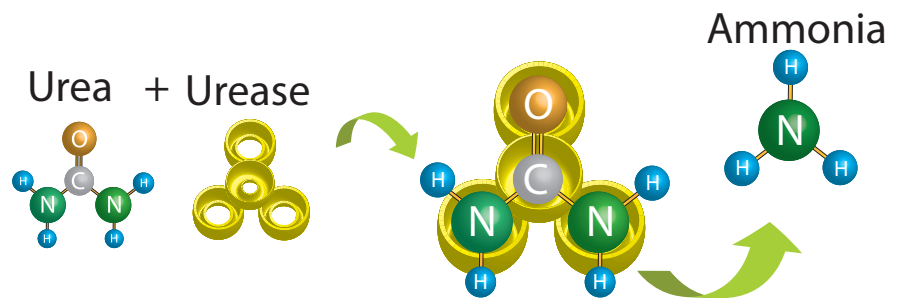
Dry Fertilizer - 50 fl oz per ton (2,000 lbs) of dry nitrogen fertilizer. For dry fertilizer: ensure fertilizer is dried before transfer to blending equipment. Allow for adequate ventilation and air movement. Spray **Concept NRP** evenly in the blender over dry fertilizers. Allow adequate drying time before introducing other fertilizer materials (~1 minute per 1 ton)

APPLICATION METHODS

- Added to liquid fertilizer application
- Blended with dry fertilizer

SCIENCE

RELEASE - NRP enzymes **convert** urea to ammonia



PROTECT - NRP Polymer **holds** ammonium in root zone

