

# Instinct NXTGEN™

Optinyte™ technology

## NITROGEN STABILIZER

## Best management practices for handling and mixing

Instinct NXTGEN™ nitrogen stabilizer uses a unique micro-encapsulation technology to create a water based, non-corrosive formulation with surface stability.

Here are a few tips to insure Instinct NXTGEN handles at its best.

### Mix Instinct NXTGEN prior to use season

This provides a consistent viscosity and improves pumping and metering

### Mixing with UAN

- Be sure to add all components independently of each other
- If using Verdict/Integrity it must be added only after 90% of total UAN is in the tank, all other products including Instinct have been mixed into solution and use no less than 15 total gallons of UAN
- Greater than 25% Ammonium Thiosulfate (ATS) and UAN blends will require constant agitation
- For UAN and Instinct NXTGEN mixtures, re-agitate if left standing for more than six hours

### Recommended order of addition liquid fertilizer carrier

1. Tank half-full with liquid fertilizer (28%, 32% N) to start
2. Begin agitation
3. Pre-slurry Water-Soluble Packets (WSP)  
*(With UAN: pre-slurry WSP in water prior to addition to tank)*
4. Wettable Powders/Dry Flowables  
*(With UAN: pre-slurry Wettable Powders/Dry Flowables in water prior to addition to tank)*
5. Compatibility agent (if needed)
6. Instinct NXTGEN nitrogen stabilizer
7. Soluble Concentrate (SC) or Liquid Flowables  
*(liquid atrazine; use a compatibility agent if needed, prior to the addition of liquid atrazine)*
8. Capsule Suspension (CS) or Suspension Emulsion (SE)  
*(FullTime® NXT, Keystone® NXT, Resicore® or SureStart® II herbicides)*
9. Emulsifiable Concentrate (EC)
10. Soluble Liquids (SL)
11. COC, NIS, MSO, other adjuvants
12. Ammonium Thisulfate (ATS)
13. Top off with liquid fertilizer

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- Mix and apply the same day
  - Use continuous agitation; Spray out the entire amount of spray mix
  - Rinse/drain sprayer including hoses, in-line screens and nozzles after equipment shut downs
  - Avoid leaving spray mixes in the application equipment overnight
  - Use 50 mesh or coarser screens on the in-line filter



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