

Source DCD 25



NITROGEN STABILIZER

What is Source DCD 25?

Source DCD 25 is a nitrogen stabilizer product containing DCD for protection against leaching and denitrification. Once nitrogen is below ground, DCD reduces the risk of leaching and denitrification by disrupting the activity of the nitrosomonas bacteria. This minimizes loss and retains more nitrogen for crop use throughout the growing season.

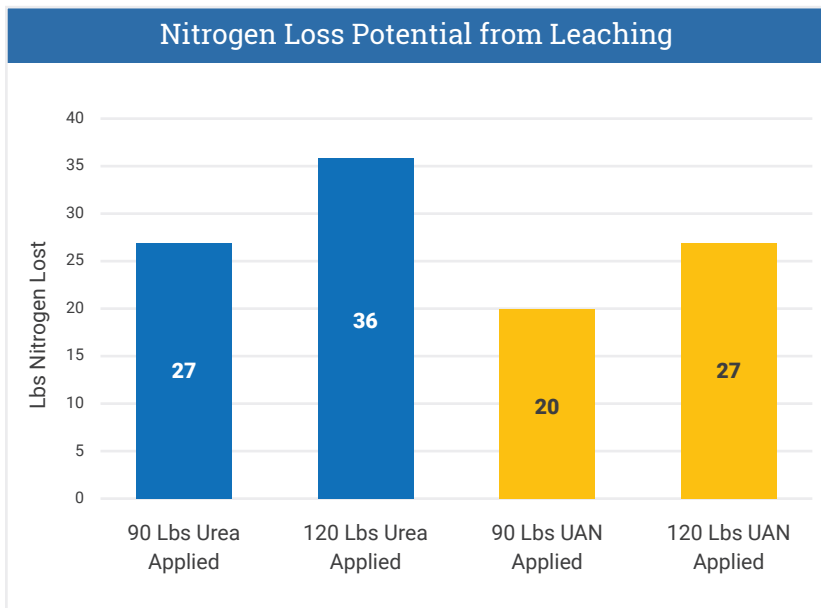
Features & Benefits:

- Use when nitrogen is subsurface applied
- Non-corrosive, not a labeled pesticide
- Active ingredient DCD (dicyandiamide) is an AAPFCO approved nitrification inhibitor
- Ask your NRCS rep about Conservation Practice 590 for cost-share using DCD

Suggested use rates

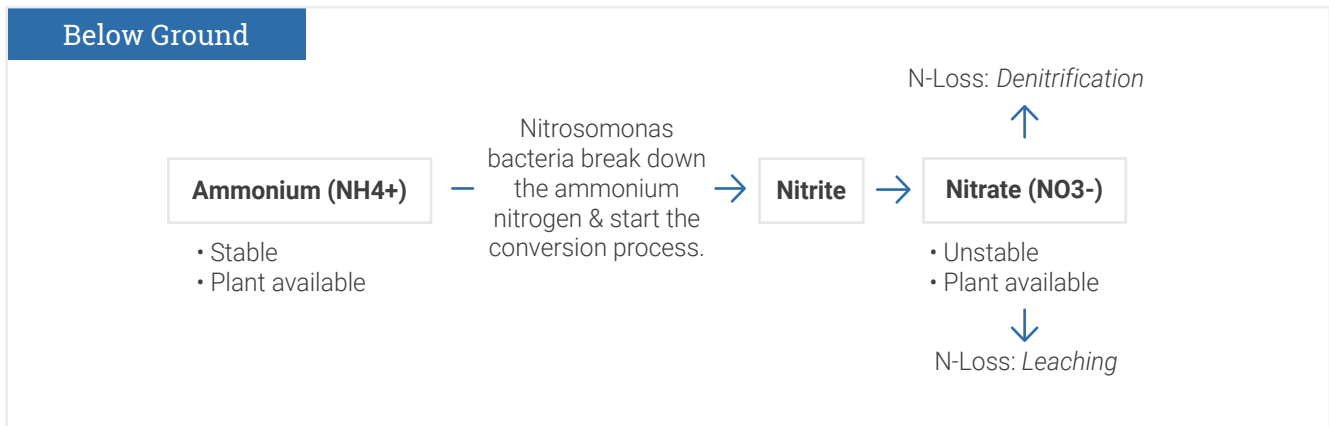
- Urea: 2 quarts / ton
- UAN: 2 – 4 quarts / ton
- Anhydrous Ammonia: 6 – 8 quarts / ton

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



NITROGEN STABILIZER

Nitrogen Conversion



DCD: Mode of Action

DCD (nitrification inhibitor)- DCD delays the conversion of ammonium (NH₄⁺) nitrogen to the unstable nitrate (NO₃⁻) form by inhibiting the nitrosomonas bacteria. This keeps the nitrogen in the stable, plant available ammonium form longer which reduces the risk of leaching and denitrification.