LOCKDOWN™

Maximize your Nitrogen.
Maximize your Profit.

BELOW-GROUND NITRIFICATION INHIBITOR

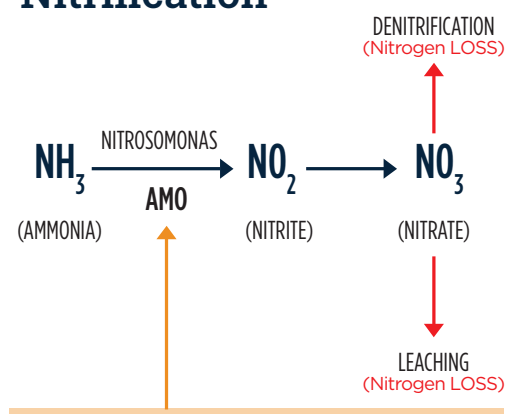
Lock UP your nitrogen investment

- Nitrogen stabilizer specially formulated for anhydrous ammonia, UAN, aqua, and liquid urea applications to maximize grains per head and *Feed the Need*.
- Non-corrosive properties of LockdowN™ make it significantly easier to handle, reducing downtime and potential damage to equipment.
- LockdowN maximizes nitrogen efficiency by keeping nitrogen in the immobile ammonium state longer to align peak demands with peak availability.

LockdowN slows nitrification and nitrogen leaching in the soil profile.

3x longer protection of nitrogen in the ammonium state[2]

Nitrification



LockdowN inhibits the AMO enzyme, which catalyzes the conversion of immobile ammonium into mobile nitrate, resulting in prolonged retention of nitrogen higher in the soil profile.

Strip testing with and without nitrogen stabilization visually demonstrates significantly more nitrogen content in the above-ground biomass as seen by the much deeper green coloring where nitrogen stabilizer was applied.

Up to 25% greater nitrogen use-efficiency[1]

START. FEED. FINISH

YIELD 3D™

Your pathway to optimal farm profitability

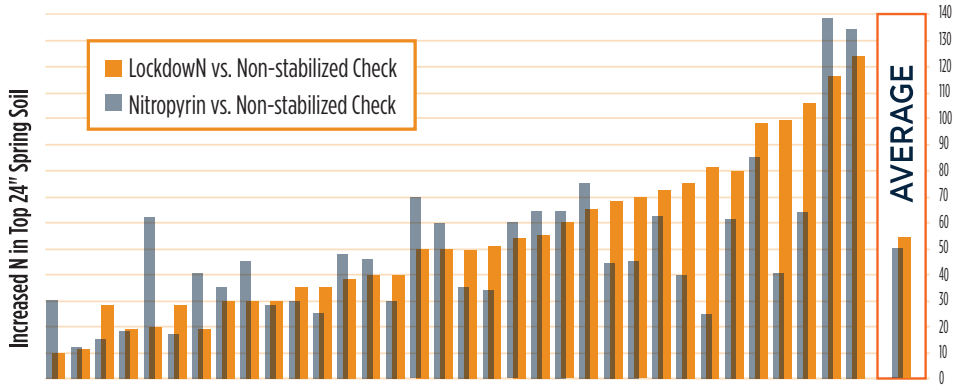
Over 50%

of applied nitrogen may be **out of reach** before peak demands

The key to improving nitrogen use efficiency is aligning peak demands with peak availability

Over 50lbs MORE NITROGEN in the top 24" of the soil profile

Nitrogen stabilization keeps more N in the root zone to FEED the plant

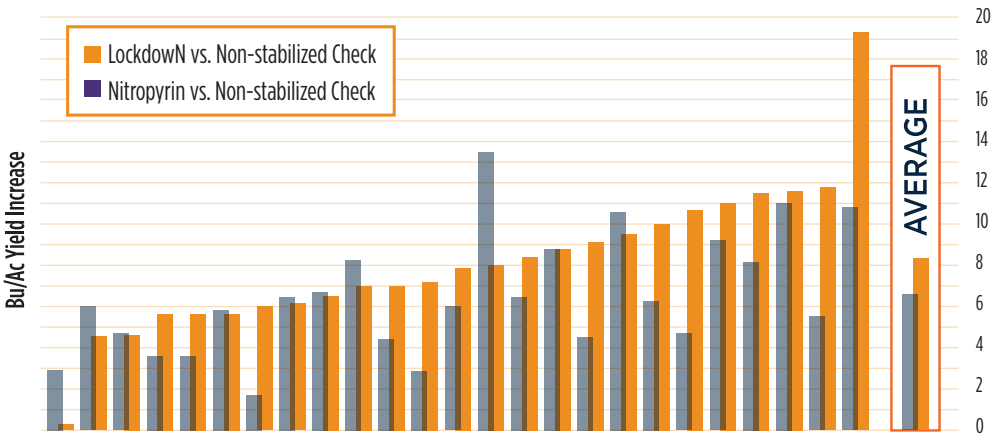


Spring soil samples of fall-applied nitrogen data collected across 30+ locations, over 4 years, in varying environments; The McGregor Company Research Division.

Spring soil samples taken in the top 24" repeatedly show significantly higher nitrogen content when fall-applied nitrogen is stabilized vs. non-stabilized comparisons.

6-8 BU/AC yield increase

More N in the root zone = more yield at the FINISH



Yield data collected across 20+ locations, over 4 years, in varying environments; The McGregor Company Research Division.

Higher nitrogen availability during the FEED & FINISH yield components drives HEAD SIZE & GRAIN FILL.

Say to nitrogen loss with **LOCKDOWN**

Premium Plant Nutrition

McGREGOR

www.mcgregor.com

[1]Data provided by University of Nebraska, University of Missouri, and the Illinois Fertilizer and Chemical Association under a Research Trial Financial Support Agreement with the FIFRA product registrant. Neither the universities or institutions, nor the individual researchers referenced, endorse or recommend any product or service. Improvements in nutrient use efficiency, yield and nitrate leaching may not be observed in all cases. [2]Data based on third-party laboratory studies funded by the FIFRA product registrant; results may vary based on a number of factors, including environmental conditions. [3]Nutrient Management for Agronomic Crops in Nebraska (Tim Shaver, p.7) and third-party laboratory studies funded by the FIFRA product registrant.