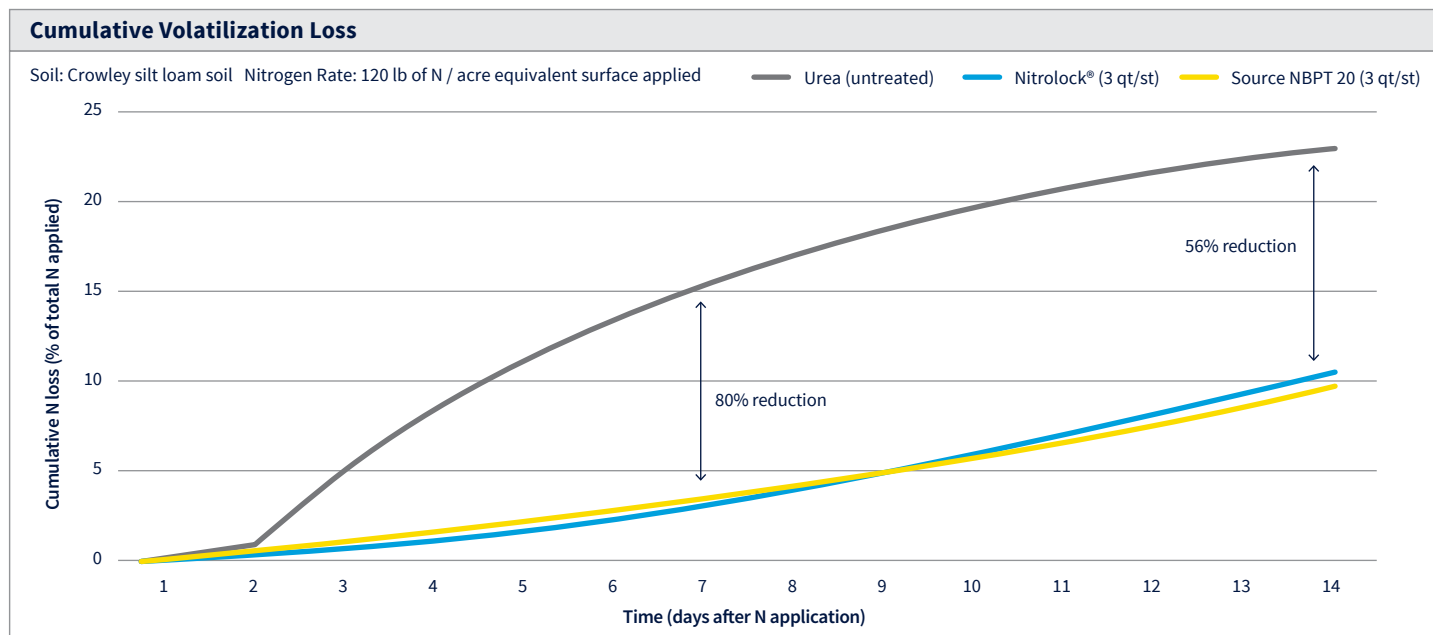


Evaluation of Untreated Urea, Urea + Nitrolock® and Urea + Source NBPT 20 on nitrogen volatilization.

Objective: To evaluate the volatilization potential of three Urea based fertilizer sources when surface applied. This research was carried out by the LSU AgCenter H. Rouse Caffey Rice Research Station in Crowley, LA. 2016.



Products: Nitrolock® and Source NBPT 20 are AAPFCO approved nitrogen stabilizers available from MicroSource.

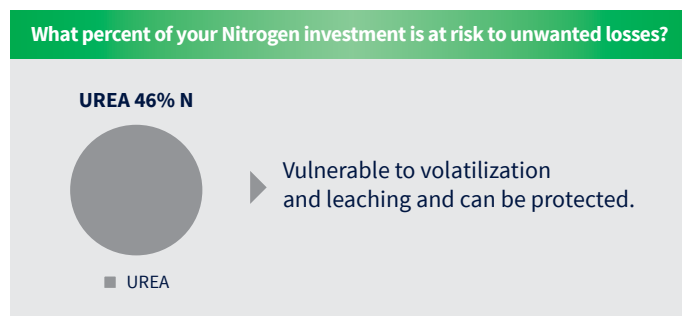


Key Results

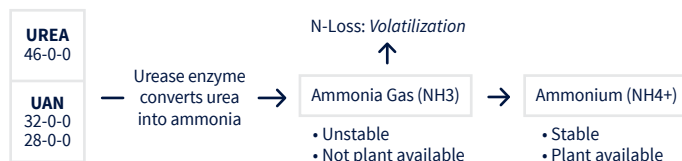
- The maximum daily nitrogen loss from untreated Urea occurred between 2-4 days after fertilization
- Nitrogen loss from volatilization was significantly greater for untreated Urea than Nitrolock® and Source NBPT 20
- The NBPT found in Nitrolock® and Source NBPT 20 reduced nitrogen volatilization 80% after one week and 56% after two weeks when compared to untreated Urea
- Nitrolock® also contains dicyandiamide (DCD) a university documented and AAPFCO approved nitrification inhibitor to prevent further nitrogen loss from leaching and denitrification

February 13, 2019

Managing Risk



Volatilization: Nitrogen on the surface



MicroSource® is a leading wholesale manufacturer of private-label complete nutritional starters, nitrogen stabilizers, adjuvants, and both liquid and dry micronutrients in North America. We help businesses across the United States meet demand for their products by providing best-in-class production facilities and a cost-effective source of key ingredients coupled with tailored manufacturing. Every day, we strive to improve our manufacturing position to create sustainable plant nutritional products for our customers.

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