



## Ammonia Volatilization from Urea - Comparison

Data Provided by Cooperating University

### Lab Study

#### Implications for:

- Corn
- Wheat
- Rice

### Product

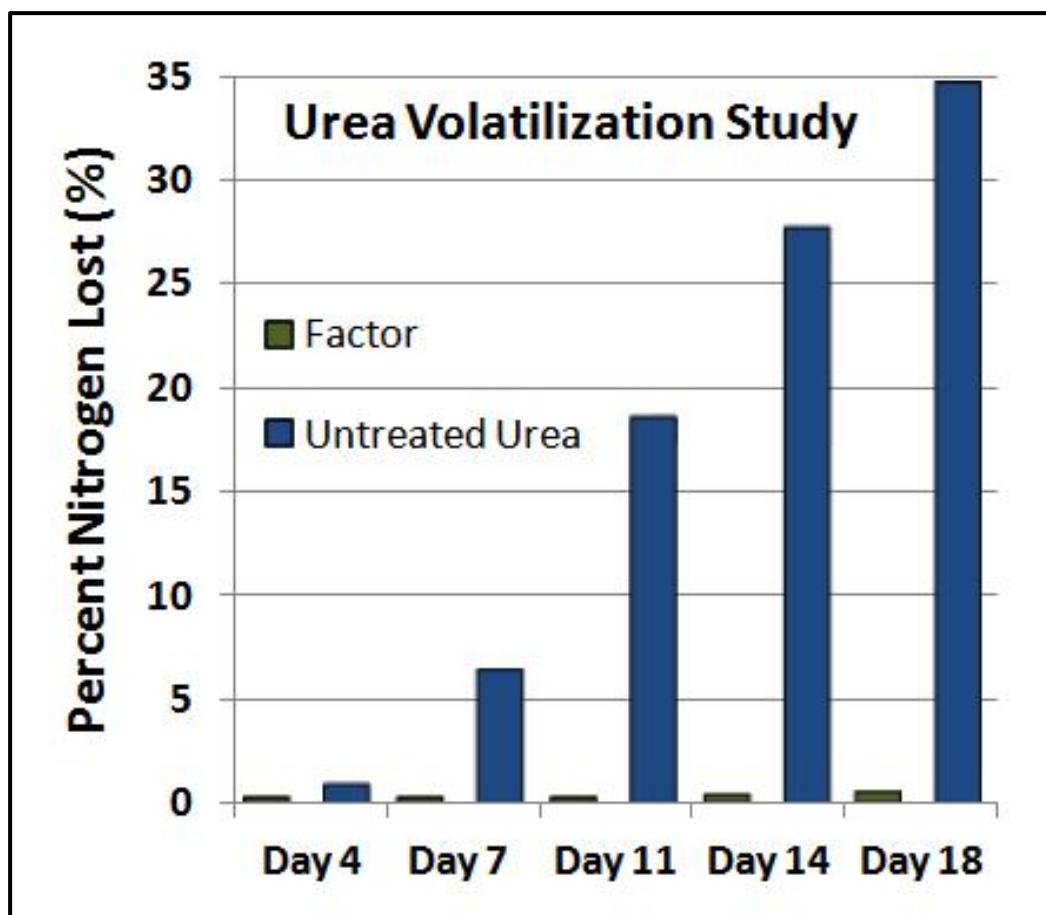
- Factor (NBPT)

### Location

- University Study

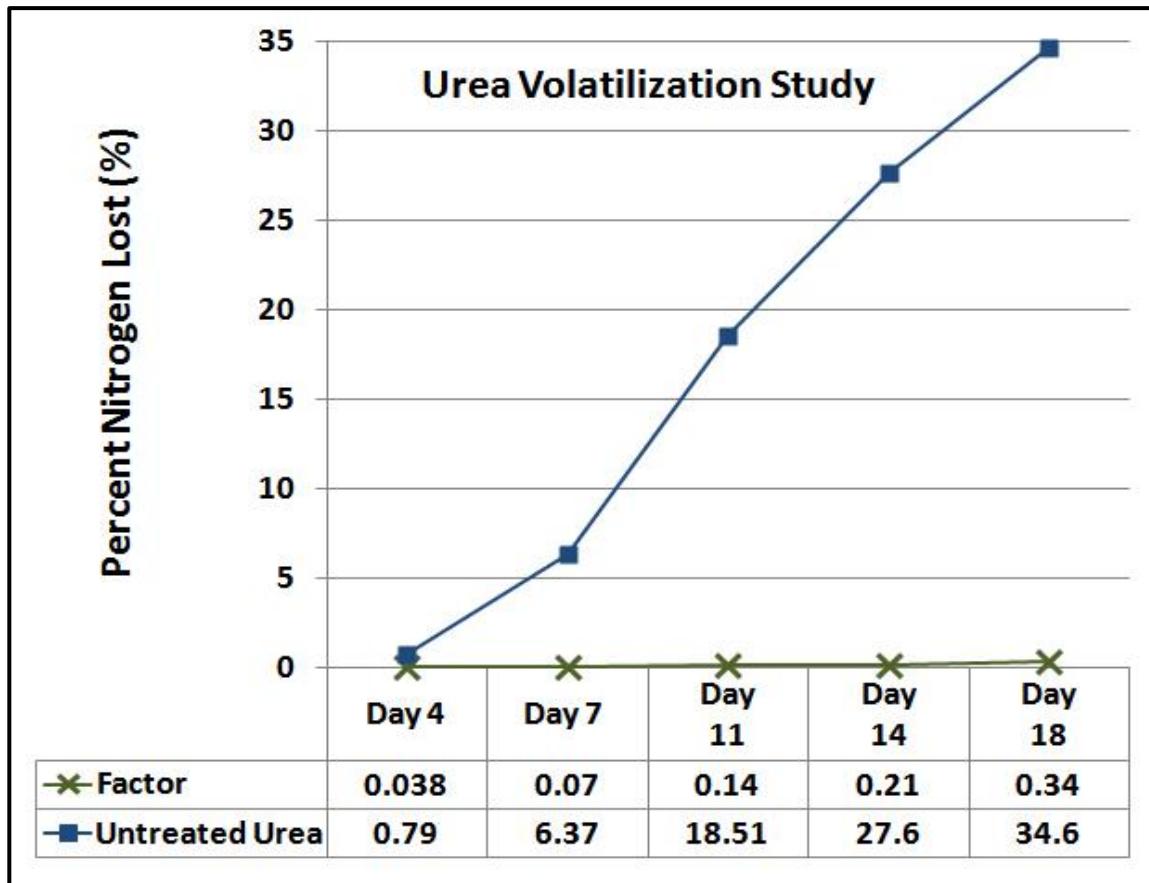
Urea fertilizer has the potential to be lost through volatilization. Volatilization is the loss of a gas to the atmosphere. For urea, if unincorporated, the urease enzyme converts urea to ammonia, and the ammonia is lost to the air.

Factor inhibits the urease enzyme. Factor was tested for an 18 day period against untreated urea. Ammonia is captured as it is volatilized off the soil surface. Untreated urea lost just under 35% of the applied nitrogen in 18 days.





At day 18, when treated with Factor, less than 0.5% of the total nitrogen was lost via ammonia volatilization compared to about 35% untreated. This data reinforces the importance of treating your urea based fertilizers with Factor.



To protect your nitrogen from above ground losses and maximize yield we recommend to treat all urea based fertilizers with Factor Urease Inhibitor.



For complete study details please see your local Nutritional Account Manager.