



**INNICTIS  
BIOSCIENCE<sup>®</sup>**  
PLANT HEALTH TECHNOLOGIES

## NUTRIENT MANAGEMENT ENHANCEMENT



# ECLIPSE-N<sup>®</sup>

Eclipse-N<sup>®</sup> is a nitrogen stabilizer that inhibits the urease enzyme from breaking down the nitrogen molecule on the soil surface, releasing ammonia gas into the atmosphere (volatilization). Eclipse-N was designed to help protect nitrogen from volatilization, but also to increase use efficiency and maximize agronomic ROI.

## BENEFITS

- Helps protect nitrogen from volatilization
- Increased penetration of urea prill for improved control of volatilization
- Increases nutrient use efficiency
- Improved viscosity which enables lower temperature impregnation
- Dries fast on the fertilizer prill
- Ease of mixing with UAN solutions
- Faster blending times speed up workflow



INDUSTRY



ECLIPSE-N

## APPLICATION TIMING

Can be applied anytime with Urea and UAN.

## USE RATES

**UAN:** 1-2 qts/ton

**UREA:** 2-4 qts/ton

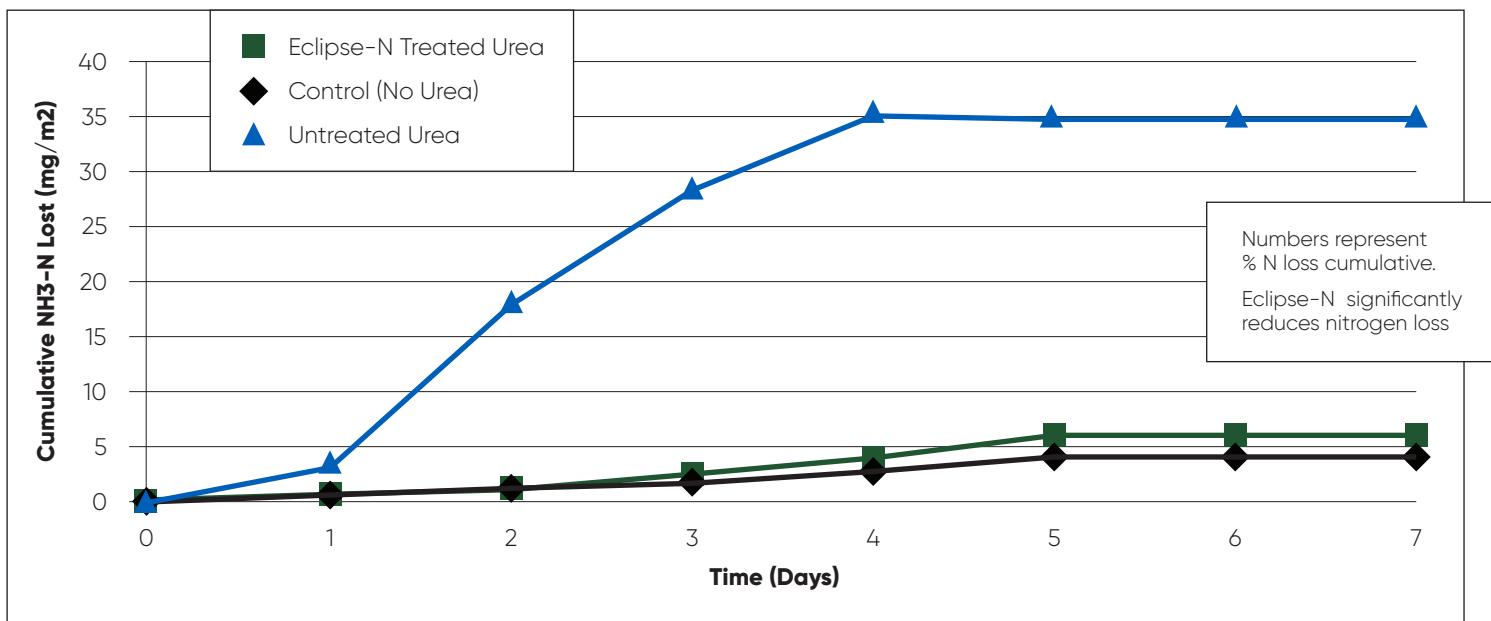
Multiple crop use

Please reach out to your local Innictis rep for specific crops and application rates.

ECLIPSE-N REDUCES NITROGEN NH<sub>3</sub> LOSS\*

| Days After Application | 3  | 6     | 10    | 12    | 17    |
|------------------------|--|-------|-------|-------|-------|
| Nitrogen Source        | Cumulative NH <sub>3</sub> Loss (% of N applied) |       |       |       |       |
| Urea                   | 2.47   | 15.34 | 23.56 | 26.84 | 29.84 |
| Competitor (3 qt/ton)  | 0.23   | 0.9   | 2.37  | 4.0   | 7.63  |
| Eclipse-N (3 qt/ton)   | 0.13   | 0.46  | 1.27  | 2.33  | 5.41  |
| Eclipse-N (4 qt/ton)   | 0.09   | 0.35  | 0.94  | 1.73  | 4.01  |

Lower the number, the less volatility given off by each treatment.  
Work done at Mississippi State University



### Eclipse-N Has Higher Absorption Than Competitors For Better Coverage Of Actives!

Eclipse-N required 30 rotations for complete coverage, while the competitive brand required 35 rotations. This indicates that Eclipse-N requires less mixing effort than the competitive brand to obtain the same amount of coverage, and is also evidenced by the lower viscosity.

A visual comparison of the urea coverage after 6 turns for Eclipse-N (left) and the competitive brand (right). Coverage was faster and more complete with the Eclipse-N.\*

