

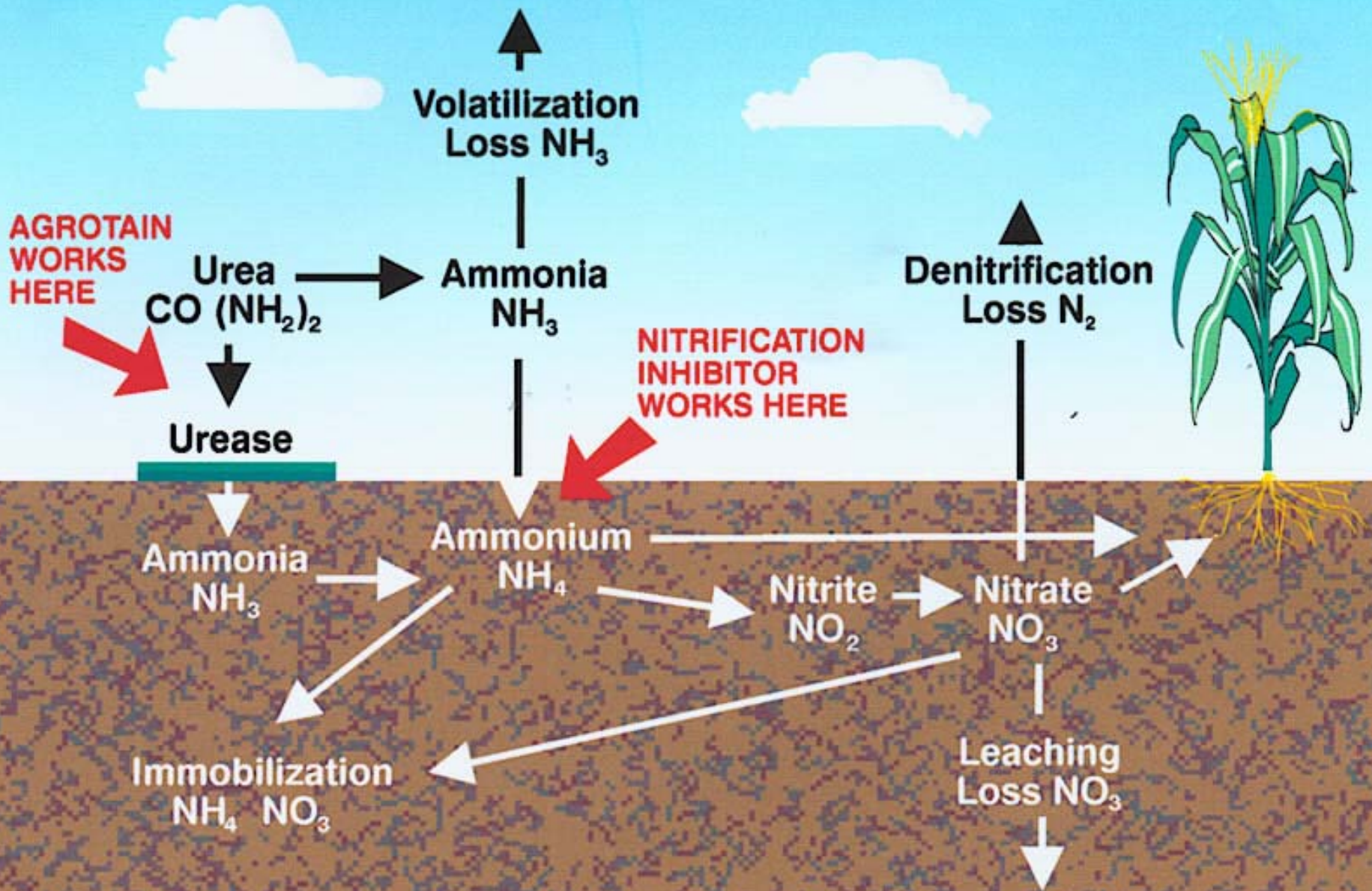


Jimmy D. Johnson
Agrotain International
Collierville, TN

What is Agrotain?

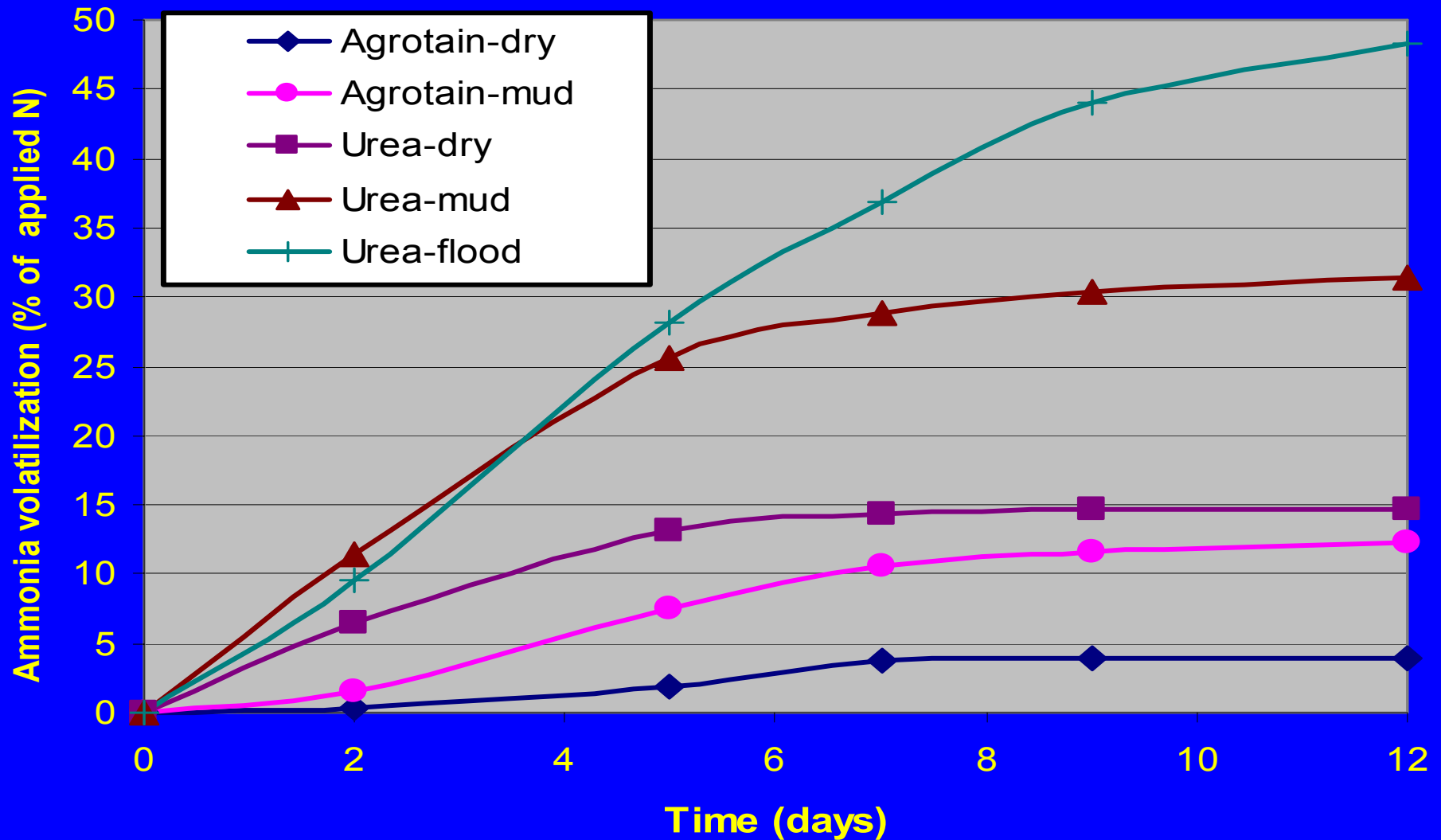
- Urease inhibitor – fertilizer additive
- N-(n-butyl)thio phosphoric triamide
- Controls ammonia volatilization
- Improves nitrogen efficiency
- For Urea and UAN solution fertilizers
- Has 21 patents in 70 countries
- Recognized as one of the 100 most technologically significant new products by “R & D Magazine”

NITROGEN CYCLE



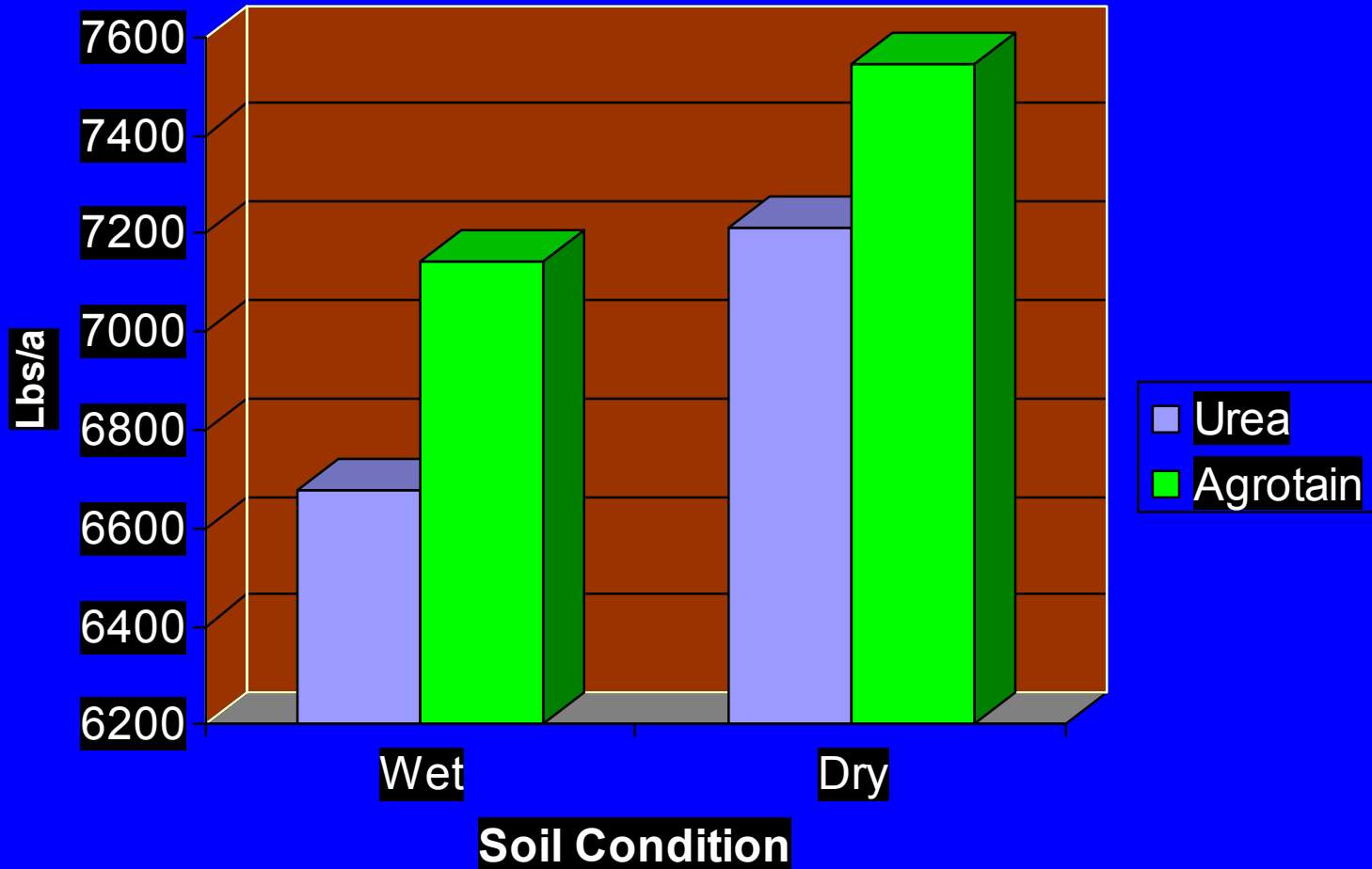
Percent Nitrogen Loss by Ammonia Volatilization

University of Arkansas - 2005



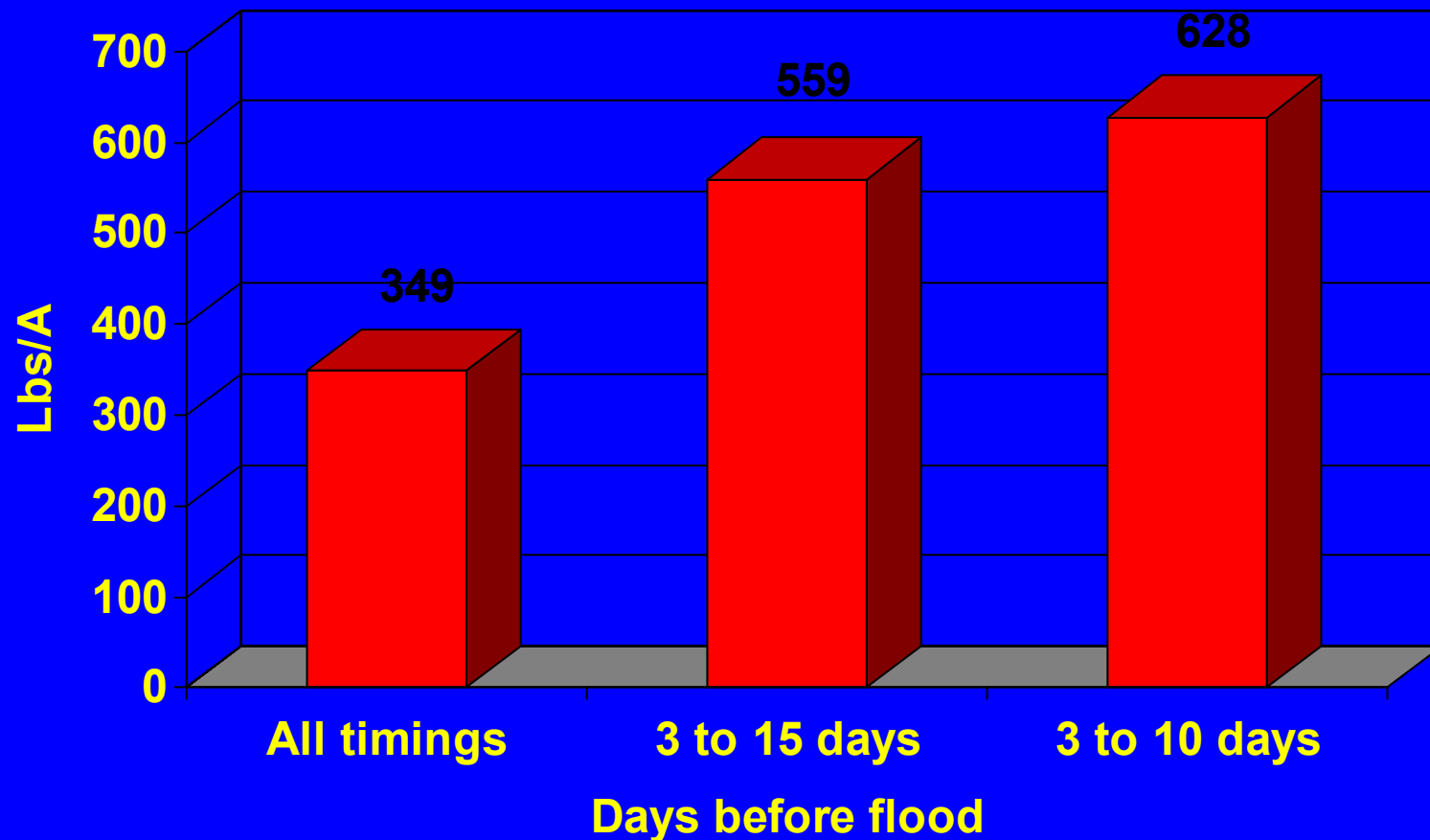
Influence of Agrotain in Different Soil Conditions on Grain Yield

LSU

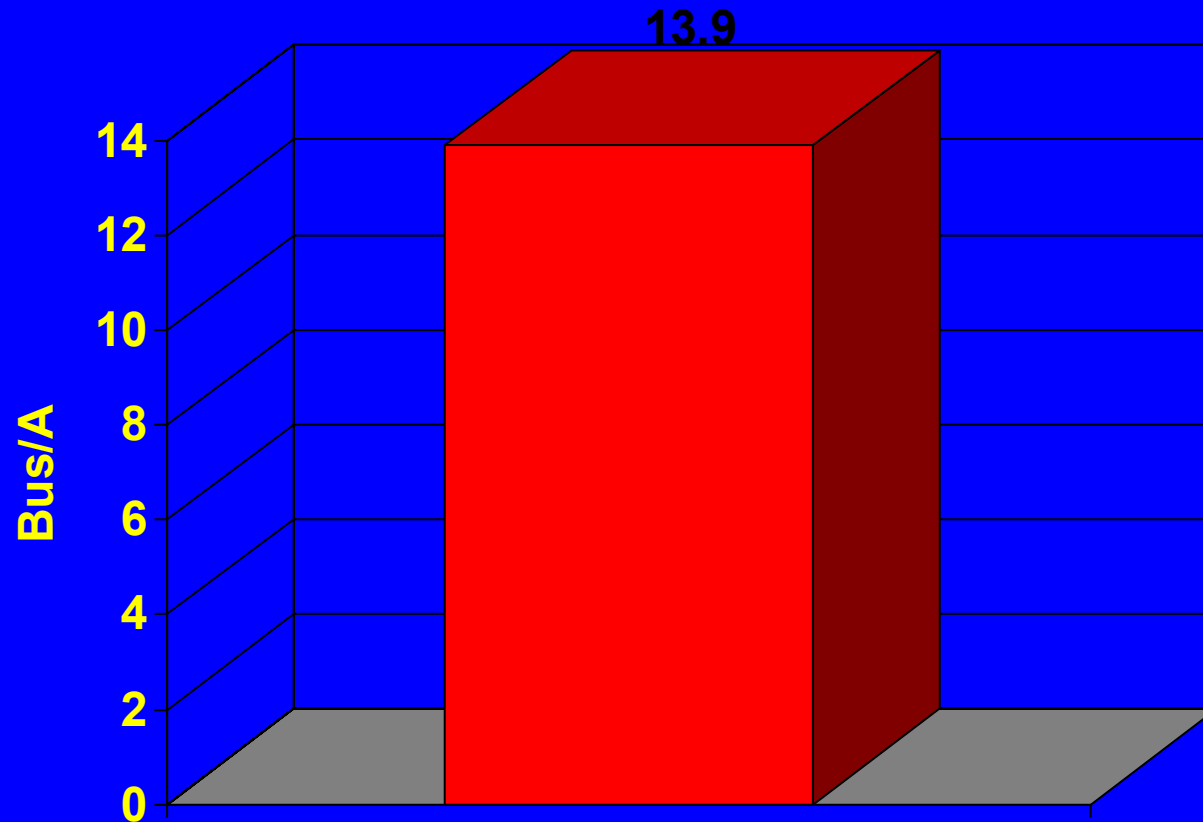


Influence of Agrotain on Rice Grain Yield

Four Year Summary of University Plots



Influence of Agrotain on Corn Yield Fourteen Years



Return on investment

N15 Cotton Study

Mississippi State University

Agrotain stabilized urea

Increased N efficiency by 22lbs N/A

$22\text{lbs N/A} \times 0.364/\text{lb urea N} = \8.01

Agrotain cost for 120lbs N/A = \$5.88

Return on investment was **36.2%**

This does not include any yield increase

Return on investment

N15 Cotton Study

Mississippi State University

Agrotain stabilized UAN

Increased N efficiency by 26lbs N/A

$26\text{lbs N/A} \times 0.328/\text{lb UAN N} = \8.53

Agrotain cost for 120lbs N/A = \$4.80

Return on investment was *77.7%*

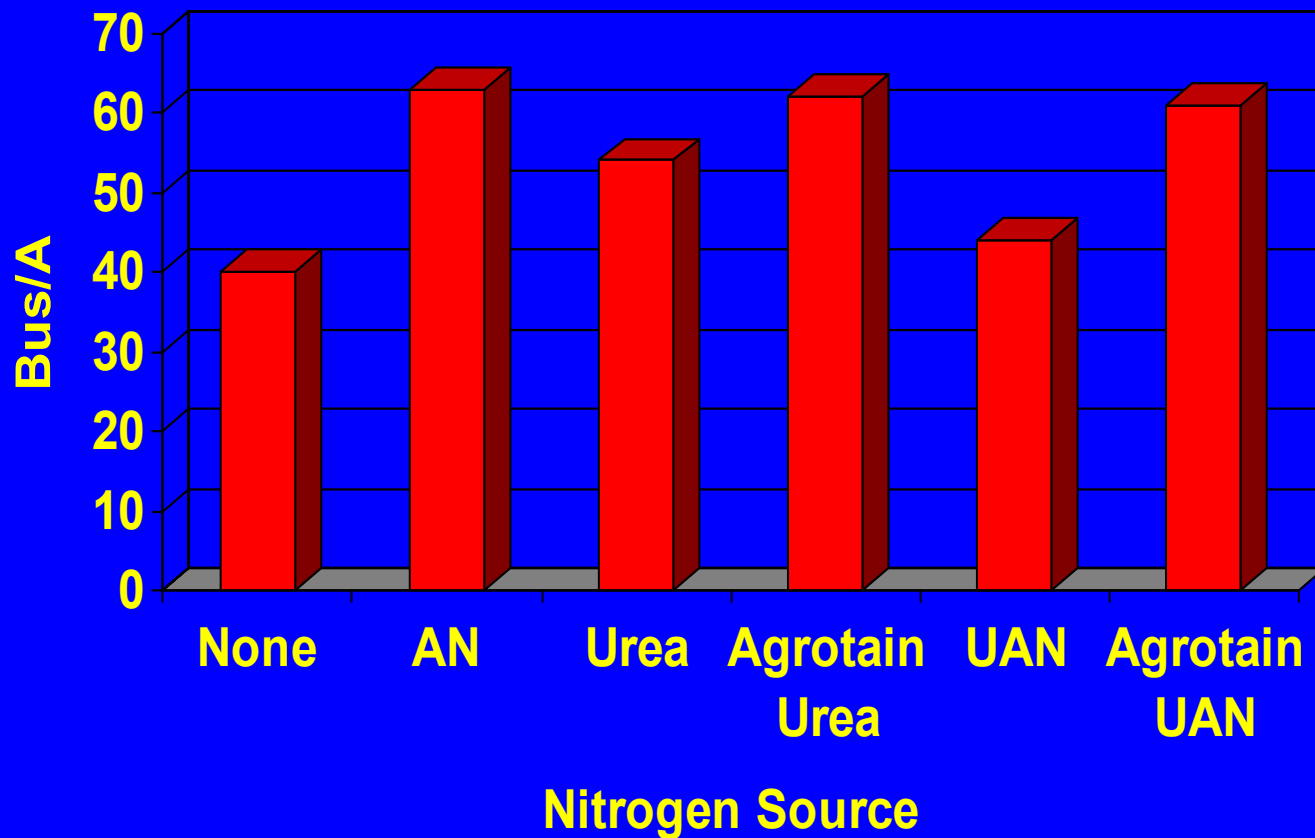
This does not include any yield increase

Two Study Conclusions

2007 Cotton Beltwide

- Agrotain stabilized urea improved cotton N use efficiency comparable to ammonium nitrate
- Agrotain stabilized UAN dribbled was as effective as injected

Influence of Agrotain on Wheat Yield





**Improves
Nitrogen
Efficiency**

New for 2007

Agrotain Plus for UAN

Urease inhibitor plus

Nitrification inhibitor

DF formulation

15 lbs/Ton of UAN

Cost ~7 cents/lb N

Thank You

Come by my booth