



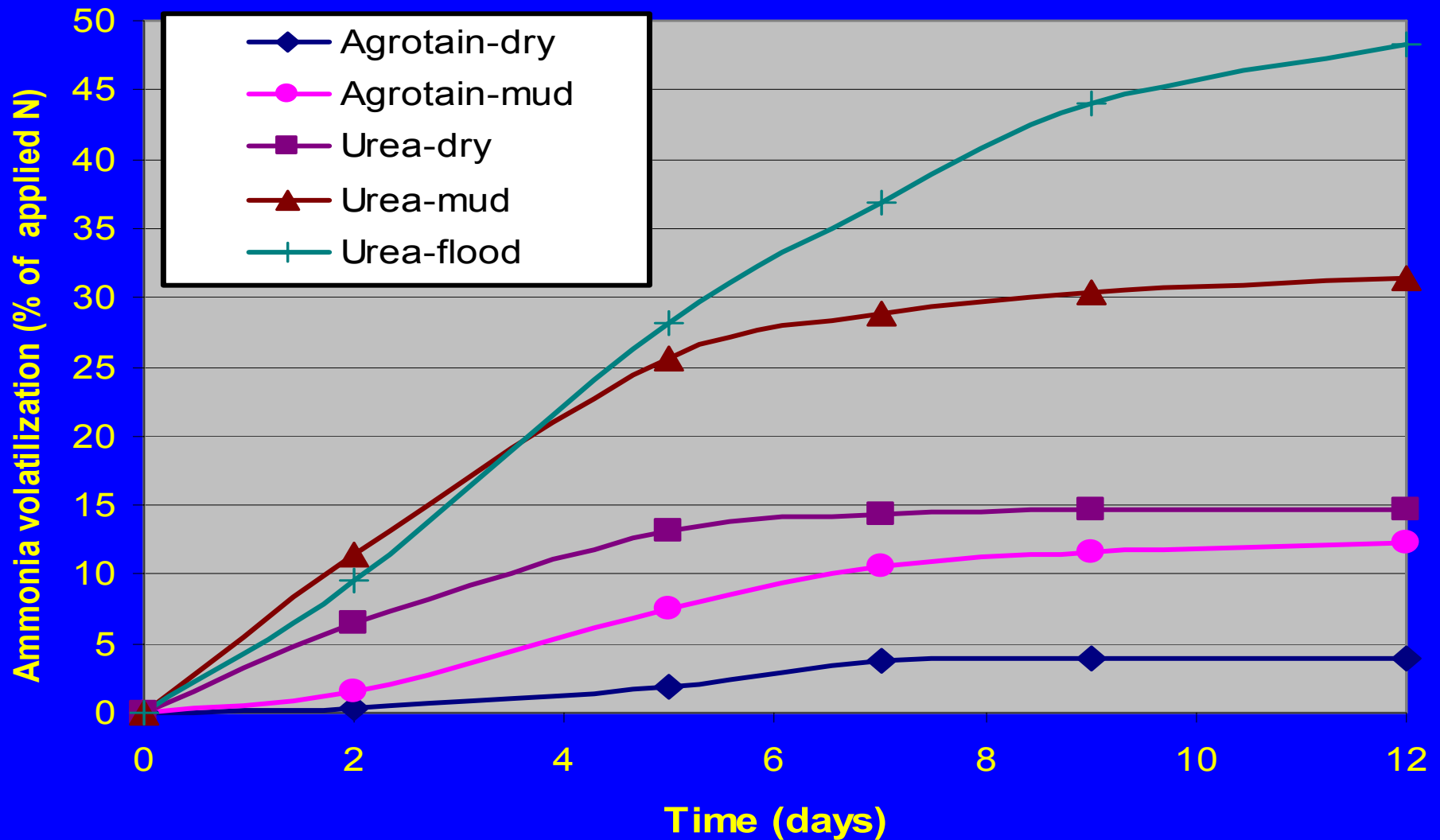
**Jimmy D. Johnson**  
**Agrotain International**  
**Collierville, TN**

# LSU Rice Varieties and Management Tips (pub 2207)

- Agrotain is a urease inhibitor that delays breakdown of urea by the urease enzyme, minimizing nitrogen loss associated with ammonia volatilization.
- Agrotain will improve nitrogen efficiency when urea is applied on a wet soil surface before permanent flood or when urea is applied to soil surface more than three to five days before permanent flood.

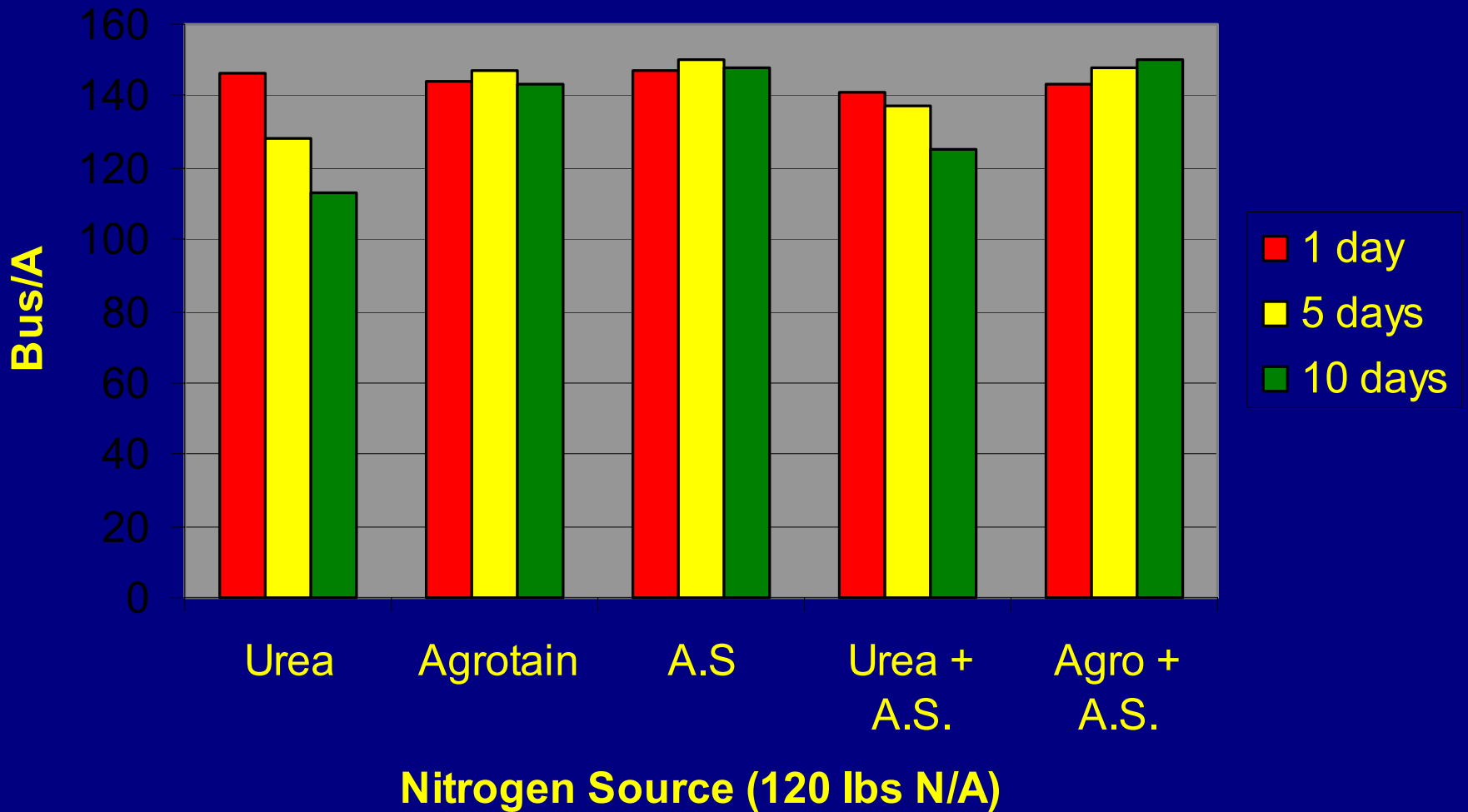
# Percent Nitrogen Loss by Ammonia Volatilization

University of Arkansas - 2005



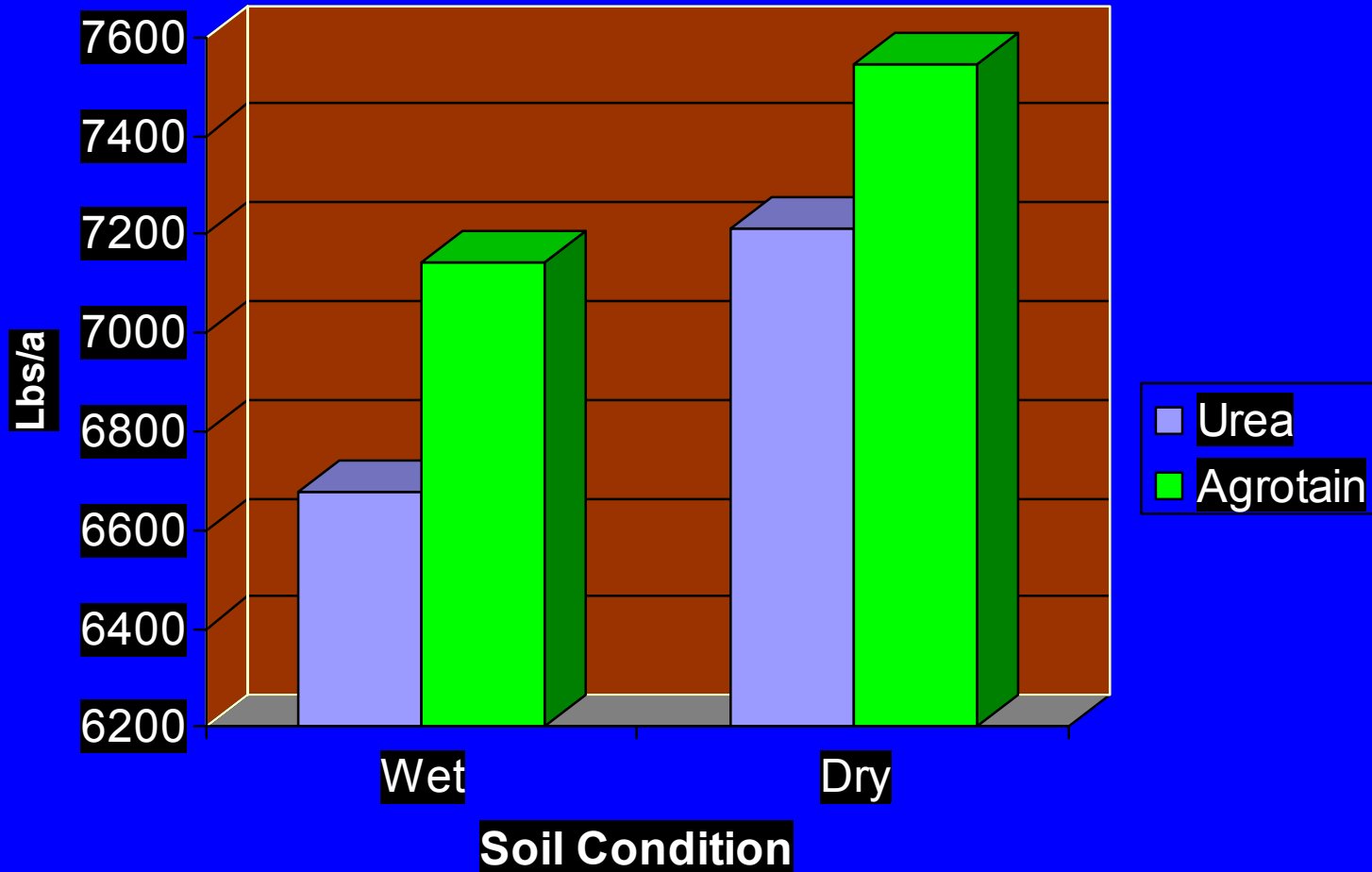
# Influence of N Source and Timing on Rice Grain Yields

University of Arkansas



# Influence of Agrotain in Different Soil Conditions on Grain Yield

LSU





Urea

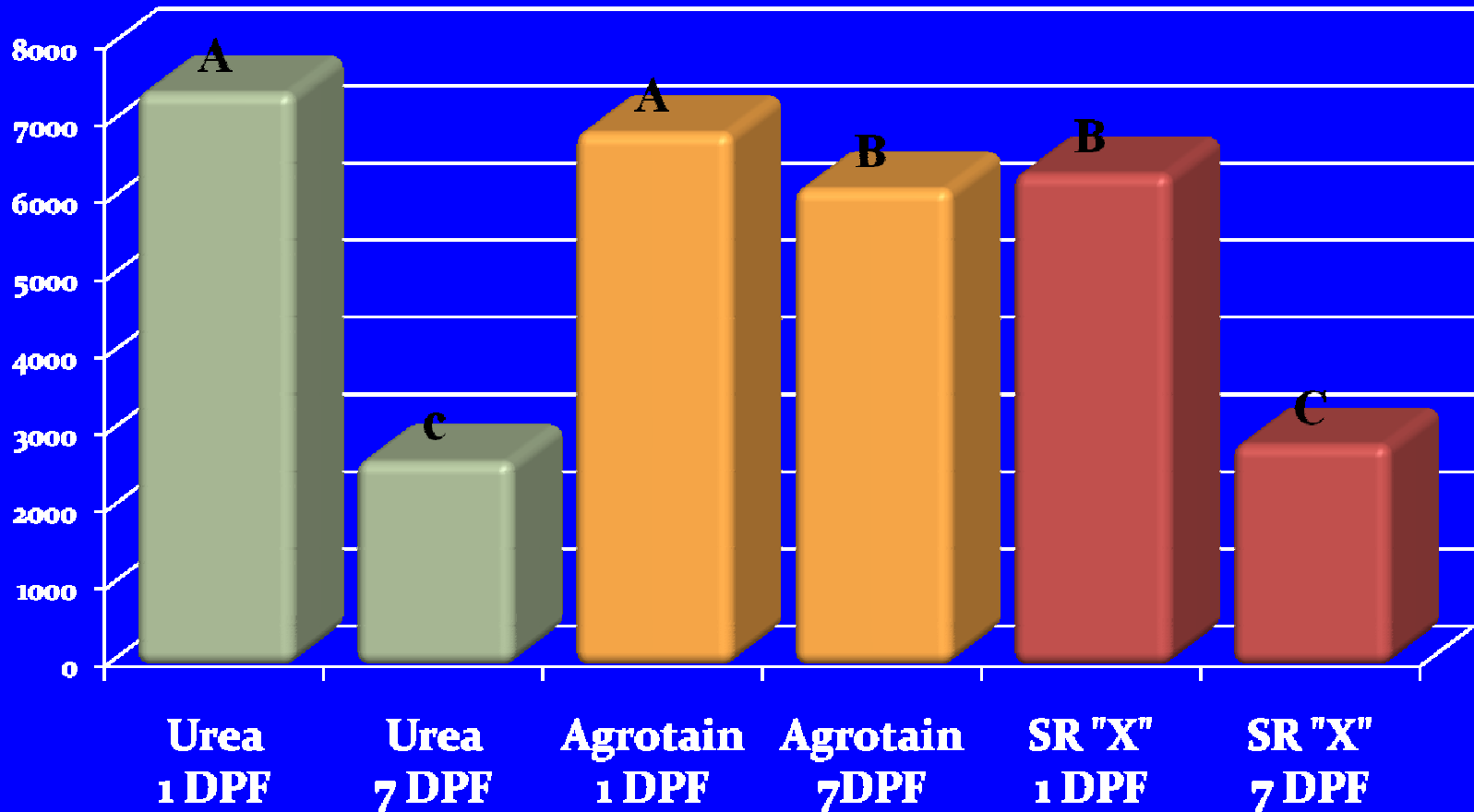
Agrotain @ 1.0 gal

5 days preflood

2797 lbs increase

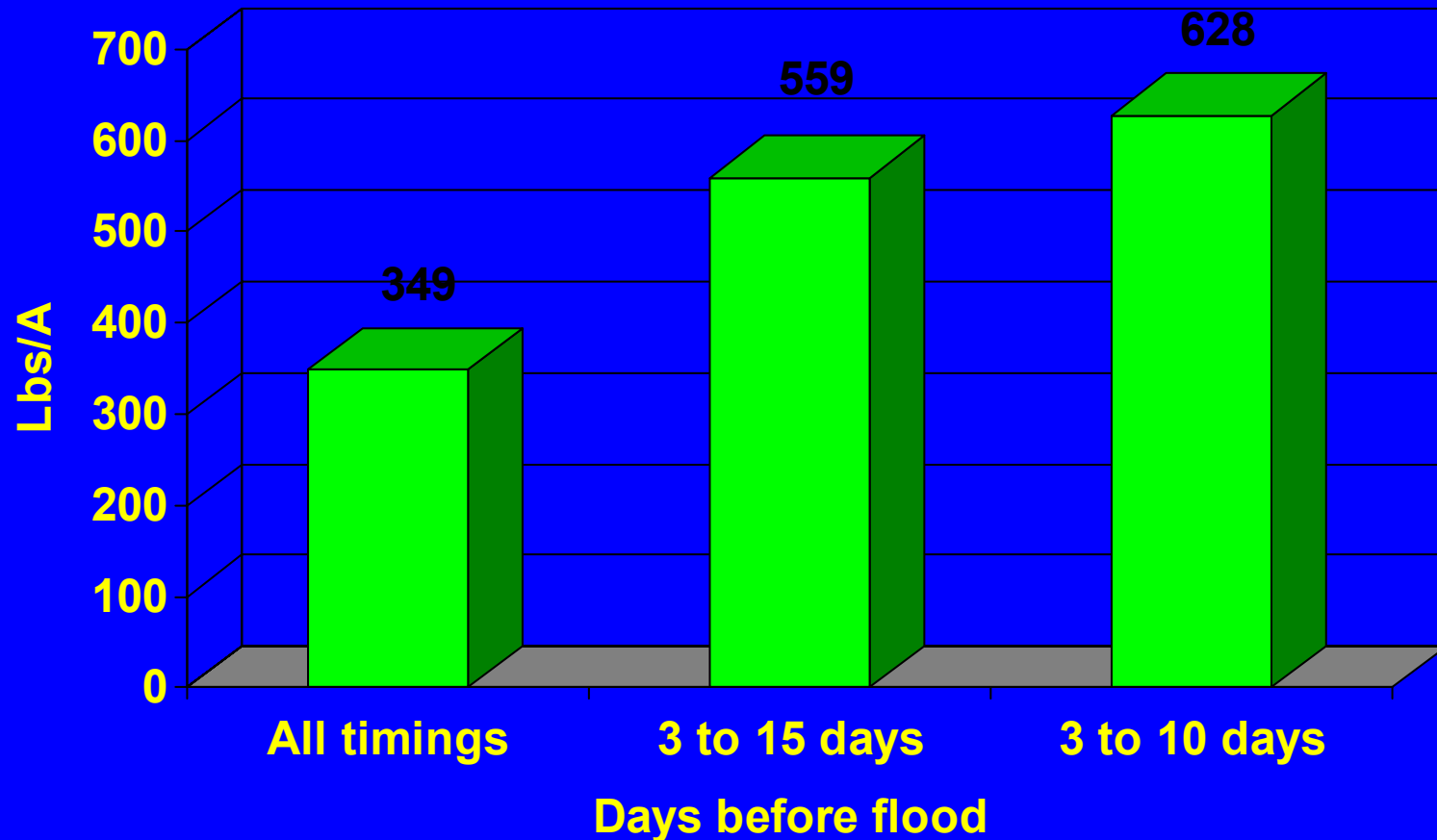
# 2008 LSU Study

Dr. Justin Harrell



# Influence of Agrotain on Rice Grain Yield

## Four Year Summary of University Plots

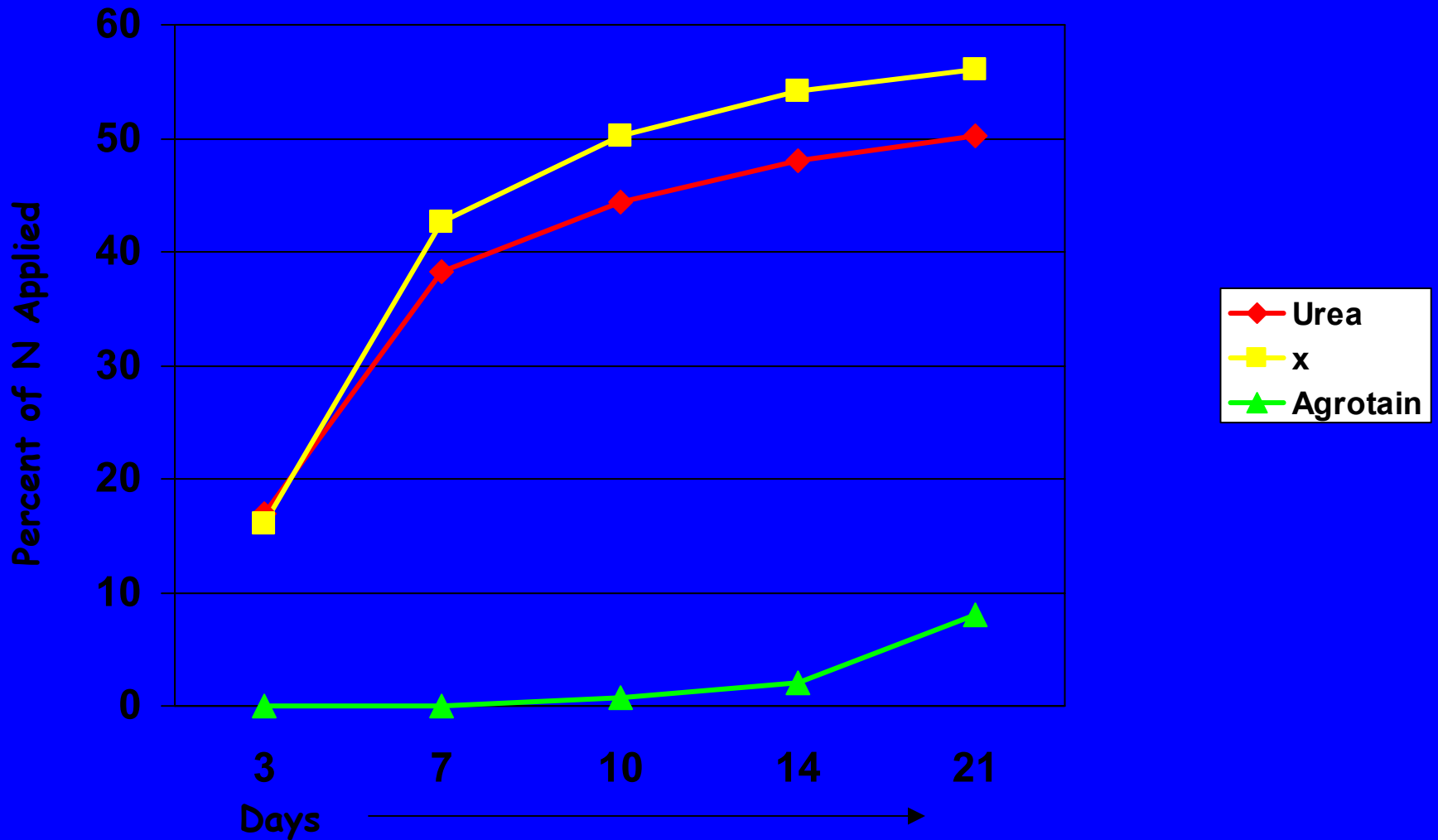




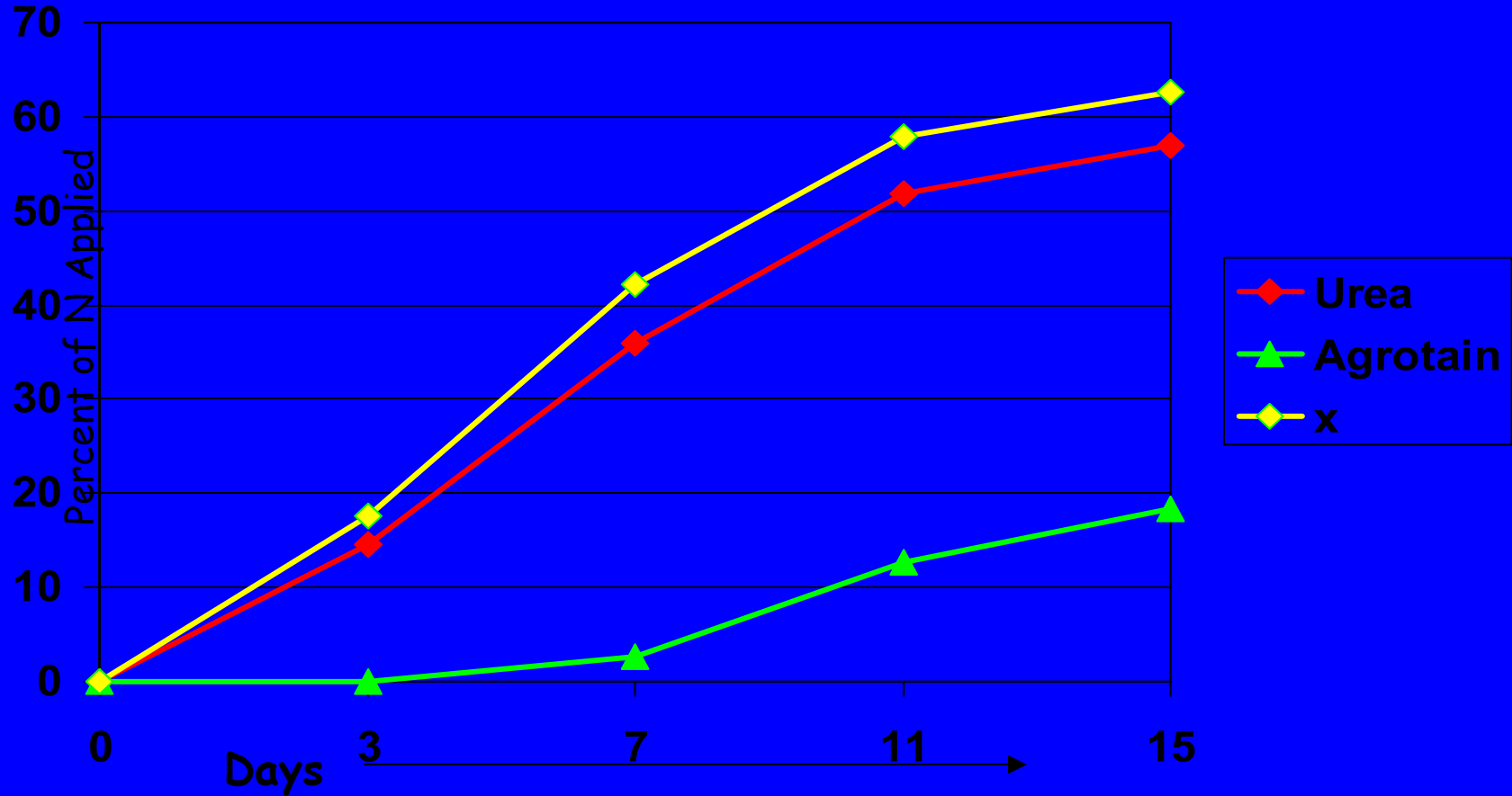
# Dr. Willis Thornsberry, Private Consultant

## Volatility Study

July 26, 2004



University of Arkansas  
Volatility Studies  
September, 2007



Agrotain is the only urease inhibitor recognized by the Association of American Plant Food Control Officials (AAPFCO).

**Improves**

**Nitrogen**

**Efficiency**



**Thank You**

**Jimmy D. Johnson**

**Ryan Vidrine**