

# Precision manufactured granular nitrogen fertilizer for hay production

## NITREA 45NU and NITREA 45NU PLUS

### Features and Benefits

- Full utilization of invested nitrogen for faster growth and increased quality
- Ensures maximum amount of yield at the most critical time of highest quality for harvest
- Higher quality hay with better crude protein and TDN percentages, eliminating the extra cost of supplemental feeding of cattle during the winter
- May increase number of harvests in a growing season with faster growth, creating more profitability



Efficiency of nitrogen fertilization applications in hay can be reduced due to losses via volatilization, leaching, and nitrification-denitrification. Some studies have shown losses of available nitrogen can be as much as fifty percent. The use of urease and nitrification inhibitors can greatly reduce the losses, making more nitrogen available to the plant for a longer period of time.

### NITREA 45NU™

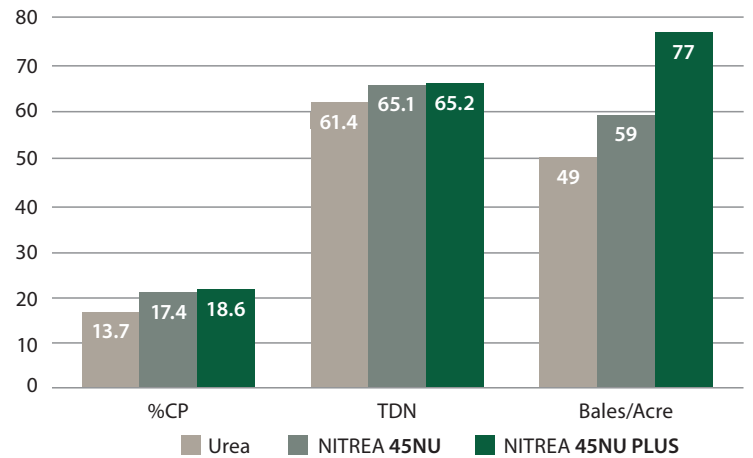
- Infused through a precise process
- Inhibits the activity of volatilization, retaining usable nitrogen
- Slows the conversion of ammonium form to nitrate, allowing plant to have more access to nitrogen longer without leaching away from growing zone

### NITREA 45NU PLUS™

- Same inhibitors infused as NITREA 45NU
- Added NITREA PLUS nutrient enhancer
- Increases the uptake of both positive and negative charged nutrients in the soil

### Eastland, TX Bermudagrass Hay Application

Net profit per acre with NITREA 45NU PLUS  
 Square Bales >\$128/acre  
 Round Bales >\$56/acre



\*%CP Target Level: 13-14%

\*TDN Target Level: >60

\*Managing Urea Fertilizer to Reduce Vaporization. Progressive Forage. Eddie Funderburg. October 31, 2018. ...you can have urea losses up to 40 percent...Most university research shows that products containing NBPT can delay the onset of urea vaporization and give an additional 10 to 14 days to incorporate urea with tillage, irrigation or rainfall.

\*Don't Cheat This Grass Input-Hay and Forage Grower. Mike Rankin. March 13, 2018. "Significant amounts of nitrogen can be volatilized and lost to the atmosphere..." Research studies...have documented losses near 50 percent, though more typical loss figures are often in the 20 to 25 percent range...forage agronomists usually suggest using a urease inhibitor when applying dry urea. These products are generally economical and inhibit the urease enzyme in the soil from hydrolyzing the urea and releasing ammonia to the atmosphere.

Contact AgronX to improve soil efficiency  
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