



# Agricultural Testing Services

The Noble Research Institute, LLC

2510 Sam Noble Parkway  
Ardmore, Oklahoma 73402

Telephone (580) 223-5810

Sample Description: **North Pasture - Bermudagrass**  
Lab Number: 256496 Date: 7/27/2016  
County: OK-Atoka

John Doe  
NW Highway 32  
Atoka, OK 74525

Sample Type: Roughage  
Crop: Bermudagrass Hay  
Test Run: CP, ADF, TDN

Dry Matter (%)    Moisture (%)    Crude Protein (%)    ADF (%)    NDF (%)    TDN (%)    RFV    Nitrate (NO3) (ppm)

## Sample Results

As Received: **87.3**

Dry Basis:

**10.5    36.8    63.1    59.3**

Cattle Type	Nutrient Requirements			Nutrient Deficiency	
	CP lbs	TDN lbs	Est DMI	CP lbs	TDN lbs
950 lb Yearling Bred Heifer, Late Gestation, 1.00 ADG	1.56	10.6	18.5	None	None
Supplement Options	As-fed			Lbs. to Feed	
	CP%	TDN%			
20% Range Cubes	20	68			
38% Range Cubes	38	70			
Corn Gluten Feed	20	73			
Cottonseed Meal	42	69			
Soybean Hulls	11	73			
Alfalfa Hay	15	50			

Cattle Type	Nutrient Requirements			Nutrient Deficiency	
	CP lbs	TDN lbs	Est DMI	CP lbs	TDN lbs
1300 lb Mature Cow, Early Lactation, Average Milk Production	2.56	15.7	28.6	None	None
Supplement Options	As-fed			Lbs. to Feed	
	CP%	TDN%			
20% Range Cubes	20	68			
38% Range Cubes	38	70			
Corn Gluten Feed	20	73			
Cottonseed Meal	42	69			
Soybean Hulls	11	73			
Alfalfa Hay	15	50			

Cattle Type	Nutrient Requirements			Nutrient Deficiency	
	CP lbs	TDN lbs	Est DMI	CP lbs	TDN lbs
1300 lb Mature Cow, Late Gestation	2.03	13.6	25.3	None	None
Supplement Options	As-fed			Lbs. to Feed	
	CP%	TDN%			
20% Range Cubes	20	68			
38% Range Cubes	38	70			
Corn Gluten Feed	20	73			
Cottonseed Meal	42	69			
Soybean Hulls	11	73			
Alfalfa Hay	15	50			

\* - Use Caution with this Amount

\*\* - Supplement not Appropriate

- Actual dry matter intake and nutrient requirements may vary considerably from estimates due to environmental conditions.
- Always supplement to meet crude protein deficiency.
- Supplement to meet TDN deficiency when cow needs to gain or maintain body condition.
- Always provide a quality mineral supplement and adequate, clean water.
- Closely monitor cattle performance and body condition to be sure nutrient requirements are being met.
- If no supplements are available or if you have any questions, contact a consultant at The Noble Research Institute, 580-223-5810.