



Forage Analysis Report

David Jones Jones Hay Company 1056 Highway 131 Thorn Hill , TN 37881

County: Hancock

Email: davidjones1955@hotmail.com

SampleID HARVEST MAY 1 Type Hay

Lab ID# 110115 **Species** Mixed Grasses

Reported 5/20/2020 **Clover** No

NIF	RS - Near-Infared	Spectroscopy Analysis*		
Moisture - <i>as received</i>	14 %	Carbohydrates		
Dry Matter (DM) - as received	86 %	Acid Detergent Fiber (ADF)	28.88 %	
Ash	4.94 %	Neutral Detergent Fiber (NDF)	54.50 %	
Crude Protein (CP)	14.72 %	Lignin	4.00 %	
Lysine	0.51 %	In-vitro True DM Digestibility 48H (IVTDMD48h)	79.48 %	
Fat	2.01 %	Fructan	1.98 %	
Relative Forage Quality (RFQ)	122	Starch	1.06 %	
Ensiled pH - Wet Chemistry		Sugar (ESC)	12.83 %	
Calculated Energy Values		Water Soluble Carbohydrates (WSC)	14.03 %	
Digestible Energy (DE)	2.47 MCal/kg	Non-Structural Carbohydrates (NSC)	15.09 %	
Total Digestible Nutrients (TDN)	68.36 %	Non-Fiber Carbohydrates (NFC)	23.83 %	
Net Energy Maintenance (NE _m)	0.72 MCal/lb	Minerals and Nitrate - Wet Chemistry		
Net Energy Gain (NE _g)	0.45 MCal/lb	Calcium (Ca)	0.42 %	
Net Energy Lacatation (NE _I)	0.70 MCal/lb	Phosphorus (P)	0.42 %	
Minerals - NIRS		Magnesium (Mg)	0.33 %	
Calcium (Ca)	%	Potassium (K)	1.52 %	
Phosphorus (P)	%	Sulfur (S)	0.17 %	
Magnesium (Mg)	%	Copper (Cu)	5 ppr	
Potassium (K)	%	Zinc (Zn)	17 ppr	
		Manganese (Mn)	111 ppn	
		Iron (Fe)	49 ppn	
		Boron (B)	4 ppr	
		Nitrate (NO ₃)	111 ppn	

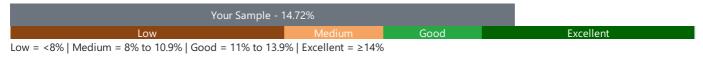
*All values reported on a 100% DM Basis, unless otherwise noted.

ppm = mg/kg

Forage Analysis Report

Understanding your hay quality - The graphs below are presented to provide a general guide to evaluate the Crude Protein (CP) and Total Digestible Nutrients (TDN) levels of the forage submitted for testing. If you need help understanding the results or information on developing a balanced ration for a specific animal(s), please contact your local UT Extension agent or visit the following website for definition information. http://tiny.utk.edu/FA-Definitions

Crude Protein



TDN

Your Sample - 68.36%

Low Mediur Good Excellent

Low = <50% | Medium = 50% to 55% | Good = 55.1% to 59.9% | Excellent = ≥60%