

## Forage Analysis Report

David Jones  
1056 Highway 131  
Thorn Hill, TN 37881

County: Hancock  
Email: kseal2@utk.edu

<b>SampleID:</b>	October	<b>Type</b>	Hay
<b>Lab ID #:</b>	108669	<b>Species</b>	Mixed Grasses
<b>Reported:</b>	November 15, 2018		No

### NIRS - Near-Infrared Spectroscopy Analysis\*

		<b>Carbohydrates</b>	
Moisture- <i>as received</i>	11 %	Acid Detergent Fiber (ADF)	36.94 %
Dry Matter (DM)- <i>as received</i>	89 %	Neutral Detergent Fiber (NDF)	63.50 %
Ash	6.37 %	Lignin	4.17 %
Crude Protein (CP)	16.46 %	<i>in-vitro</i> True DM Digestibility 48h (IVTDM48h)	71.74 %
Relative Forage Quality (RFQ)	92	Fructan	1.33 %
Ensiled pH- <i>Wet Chemistry</i>	-	Starch	2.38 %
		Sugar (ESC)	8.43 %
		Water Soluble Carbohydrates (WSC)	9.05 %
		Non-Structural Carbohydrates (NSC)	11.43 %
		Non-Fiber Carbohydrates (NFC)	11.32 %
<b>Energy</b>		<b>Minerals - Wet Chemistry</b>	
Digestible Energy (DE)	2.23 MCal/kg	Calcium (Ca)	0.42 %
Total Digestible Nutrients (TDN)	59.91 %	Phosphorus (P)	0.28 %
Net Energy Maintenance (NE <sub>m</sub> )	0.59 MCal/lb	Magnesium (Mg)	0.43 %
Net Energy Gain (NE <sub>g</sub> )	0.33 MCal/lb	Potassium (K)	2.02 %
Net Energy Lactation (NE <sub>L</sub> )	0.60 MCal/lb	Sulfur (S)	0.25 %
		Copper (Cu)	<10 ppm
		Zinc (Zn)	19 ppm
		Manganese (Mn)	181 ppm
		Iron (Fe)	150 ppm
		Boron (B)	6 ppm
<b>Minerals - NIR</b>			
Calcium (Ca)	- %		
Phosphorus (P)	- %		
Magnesium (Mg)	- %		
Potassium (K)	- %		
<b>Nitrates - Wet Chemistry</b>			
Nitrate (NO <sub>3</sub> )	2,509 ppm		

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

ppm = mg/kg

" < " means less than

*If you have questions about this forage analysis, please contact your local UT Extension office.*

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