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1056 Highway 131  
Thornhill, TN 37881

DATE: August 13, 2012

COUNTY: Hancock

### FORAGE AND FEED TEST RESULTS

Sample #	Fall					
Lab Number	96043					
Sample Type	Tall Fescue/Orchardgrass/ Timothy					
Moisture (%)	12.03					
Dry Matter (%)	87.97					
	DM BASIS	AS-FED BASIS	DM BASIS	AS-FED BASIS	DM BASIS	AS-FED BASIS
Protein (%)	13.38	11.77				
Fat (%)	2.70	2.38				
Fiber-ADF (%)	31.91	28.07				
Fiber-NDF (%)	58.63	51.58				
Calcium (%)	0.22	0.19				
Phosphorus (%)	0.42	0.37				
Magnesium (%)	0.31	0.27				
Potassium (%)	2.24	1.97				
Sulfur (%)	0.35	0.31				
Manganese (ppm)	94	83				
Copper (ppm)	8	7				
Zinc (ppm)	27	24				
TDN	66	58				
NEI (MCal/lb)	0.68	0.60				
NE <sub>m</sub> (MCal/lb)	0.68	0.60				
NE <sub>g</sub> (MCal/lb)	0.42	0.37				
RFV	102					
Nitrates (ppm)		210				

This hay supplies 2.41 Mcal/kg digestible energy and is suitable in protein and energy for horses under light work. Weanlings will require additional supplementation for energy and protein whereas yearlings will need additional energy. Hay is sufficient for goats unless body condition needs improvement.

For more information, please visit us on the web at <http://soilplantandpest.utk.edu>. If you have any questions with regard to the above information, contact your local Extension Agent.