UNIVERSITY OF GEORGIA
EXTENSION
Ag & Environmental Services Labs

Feed and Environmental Water Laboratory
2300 College Station Road
Athens, Georgia 30602-4356
Website: http://aesl.ces.uga.edu

Feed and Forage Analysis Report

(CEC/CEA Signature)

Lab Information	Contact
Lab FE27-2108 Received: Aug 11, 2026 Completed: Aug 13, 2026 Tests: F2C	**Feed and Environmental Water Lab** 2300 College Station Road Athens, GA 30602 ph: 706-542-5350 e-mail: fewlab@uga.edu

Sample: 14
Agent:

Crop: PERENNIAL PEANUT
Use: Hay
Species: EEF LAC
Class/Weight: TATING COWS

Variety:
Relative Forage Quality (RFQ): 210
Dry Matter Intake (DMI): 3.71% Live Body Weight
Ration Formulation: No

Near Infrared Reflectance (NIR) Analysis

	As-Sampled	Dry-Matter
Ash	7.48 %	9.08 %
Crude Protein	16.2 %	19.7 %
Crude Fiber (Estimated)	17.6 %	21.4 %
Neutral Detergent Fiber	29.1 %	35.4 %
Acid Detergent Fiber	23.81 %	28.90 %
Lignin	6.30 %	7.65 %
Non-fibrous Carbohydrates	30.02 %	36.44 %

	As-Sampled	Dry-Matter
48-hour Digestibility Parameters		
Digestible Neutral Detergent Fiber	16.46 %	19.98 %
Neutral Detergent Fiber Digestibility	46.56 %	56.50 %
Digestible Dry Matter (Estimated)	64.28 %	78.02 %
Total Digestible Nutrients	57.5 %	69.7 %
Net Energy of Lactation	0.594 MC/lb	0.721 MC/lb
Net Energy of Maintenance	0.648 MC/lb	0.787 MC/lb
Net Energy of Gain	0.379 MC/lb	0.460 MC/lb
Metabolizable Energy	1060 KC/lb	1286 KC/lb
Moisture	17.6 %	0 %
Dry Matter	82.4 %	100 %

Other Analyses

	As-Sampled	Dry-Matter
Nitrates	1463 ppm	1775 ppm

Typical RFQ ranges for this crop can be seen at https://aesl.ces.uga.edu/feed/rfqchart.html

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Results and interpretations are based on the analysis of a sample collected by the client and delivered to the laboratory.