



THE UNIVERSITY OF GEORGIA  
**COOPERATIVE EXTENSION**  
 Colleges of Agricultural and Environmental Sciences & Family and Consumer Sciences

*Protein probably adequate - short on energy, will have to supplement w 1-2 lbs feed.*

**Feed and Environmental Water Laboratory**  
 2300 College Station Road  
 Athens, Georgia 30602-4356  
 Web site: <http://aesl.ces.uga.edu>

## Feed and Forage Analysis Report

*Jim Crawford*  
 (CEC/CEA signature)

<b>Client Information</b> Mike McGahee 5050 Hwy 88 West Stapleton, GA 30823 Sample: 118 Agent: Jim Crawford	<b>Lab Information</b> Lab #913 Completed: Jul 28, 2011 Printed: Jul 28, 2011	<b>County Information</b> Jefferson County 2529 US #1 North Louisville, GA 30434 phone: 478-625-3046 e-mail: <a href="mailto:uge3163@uga.edu">uge3163@uga.edu</a>
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Crop: BERMUDAGRASS      Variety: Coastal  
 Use: Hay      Relative Forage Quality (RFQ): 85.6  
 Species: HORSES      Ration Formulation: No  
 Class/Weight: OTHER      **HAY MAKER TREATED**

### Near Infrared Reflectance (NIR) Analysis

	As-Sampled	Dry-Matter
* Crude Protein	8.7%	9.5%
Crude Fiber (Estimated)	26.9%	29.2%
Neutral Detergent Fiber	58.6%	63.7%
Acid Detergent Fiber	34.42%	37.40%
Lignin	5.80%	6.30%
Total Digestible Nutrients	32.7%	35.5%
Digestible Energy	490 KC/LB	533 KC/LB
Moisture	8.0%	0%
Dry Matter	92.0%	100%

### Mineral Analysis

(by wet chemistry)

	As-Sampled	Dry-Matter
Phosphorus	%	%
Potassium	%	%
Calcium	%	%
Magnesium	%	%
Manganese	PPM	PPM
Iron	PPM	PPM
Aluminum	PPM	PPM
Copper	PPM	PPM
Zinc	PPM	PPM
Sodium	PPM	PPM

### Other Analyses

	As-Sampled	Dry-Matter
Total Fat	%	%
Nitrates	633 PPM	688 PPM
Ash	%	%
Sulfur	%	%
Arsenic	PPM	PPM
Selenium	PPM	PPM
Bound Protein (NIR)	%	%
pH		
Salt	%	%
Total Aflatoxin	ppb	

OK

Calcium:Phosphorus Ratio

### Learning for Life

The University of Georgia and Fort Valley State University, the U.S. Department of Agriculture and counties of the state cooperating.  
 Cooperative Extension offers educational programs, assistance and materials to all people without regard to race, color, national origin, age, gender or disability.  
 An equal opportunity/affirmative action organization committed to a diverse work force.



## Feed and Forage Analysis Report

*Jim Crawford*  
 (CEC/CEA Signature)

Client Information	Lab Information	County Information
<b>Mike McGahee</b> 5050 Hwy 88 West Stapleton, GA 30823 Sample: 142 Agent: Jim Crawford	Lab #914 Completed: Jul 28, 2011 Printed: Jul 28, 2011	<b>Jefferson County</b> 2529 US #1 North Louisville, GA 30434 phone: 478-625-3046 e-mail: uge3163@uga.edu

Crop: BERMUDAGRASS      Variety: Coastal  
 Use: Hay      Relative Forage Quality (RFQ): 94.5  
 Species: HORSES      Ration Formulation: No  
 Class/Weight: OTHER

**UNTREATED CHECK**

### Near Infrared Reflectance (NIR) Analysis

	As-Sampled	Dry-Matter
Crude Protein	6.3 %	7.3 %
Crude Fiber (Estimated)	24.9 %	28.8 %
Neutral Detergent Fiber	54.3 %	62.8 %
Acid Detergent Fiber	32.76 %	37.90 %
Lignin	3.11 %	3.60 %
Total Digestible Nutrients	30.1 %	34.9 %
Digestible Energy	452 KC/LB	523 KC/LB
Moisture	13.6 %	0 %
Dry Matter	86.4 %	100 %

### Mineral Analysis (by wet chemistry)

	As-Sampled	Dry-Matter
Phosphorus	%	%
Potassium	%	%
Calcium	%	%
Magnesium	%	%
Manganese	PPM	PPM
Iron	PPM	PPM
Aluminum	PPM	PPM
Copper	PPM	PPM
Zinc	PPM	PPM
Sodium	PPM	PPM

### Other Analyses

	As-Sampled	Dry-Matter
Total Fat	%	%
Nitrates	169 PPM	196 PPM
Ash	%	%
Sulfur	%	%
Arsenic	PPM	PPM
Selenium	PPM	PPM
Bound Protein (NIR)	%	%
pH		
Salt	%	%
Total Aflatoxin	ppb	

OK

Calcium:Phosphorus Ratio

### Learning for Life