

**CUMBERLAND VALLEY ANALYTICAL SERVICES, INC.**

PO Box 669 Maugansville, MD 21767 301-790-1980

September 01, 2009

Sample No : 9412188

**N I R A N A L Y S I S R E S U L T S**

<b>LEGUME</b>	<b>HAYLAGE</b>	<b>As Sampled</b>	<b>Dry Matter</b>	<b>Unit</b>
Moisture		53.4		%
Dry Matter		46.6		%
Crude Protein		11.3	24.2	% DM
Available Protein		10.3	22.2	% DM
Unavailable Protein		0.9	2.0	% DM
Neutral Det. Crude Protein		1.5	3.1	% DM
Adjusted Protein		11.3	24.2	% DM
Soluble Protein			60.1	% CP
Degradable Protein (calc.)			80.1	% CP
Ammonia			4.7	% CP
TDN		29.9	64.2	% DM
Net Energy Lactation		0.31	0.66	Mcal/lb
Net Energy Maintenance		0.31	0.66	Mcal/lb
Net Energy Gain		0.18	0.39	Mcal/lb
Acid Detergent Fiber		15.2	32.7	% DM
Neutral Detergent Fiber		17.5	37.5	% DM
Lignin		3.2	6.8	% DM
Lignin / NDF Ratio			18.3	
Crude Fat		1.5	3.2	% DM
Ash		7.2	15.4	% DM
Starch		0.7	1.6	% DM
Sugar		1.9	4.1	% DM
NFC		10.6	22.9	% DM
Calcium		0.66	1.42	% DM
Phosphorus		0.15	0.33	% DM
Magnesium		0.14	0.31	% DM
Potassium		1.34	2.87	% DM
Sulfur		0.15	0.32	% DM
Chloride Ion		0.62	1.33	% DM
pH		5.7		
Relative Feed Value (RFV)		157		

NOSS, DAVID  
 290 CHURCH LANE  
 REEDSVILLE, PA 17084

Sample : BALEAGE 3-3  
 Farm Name : MYERS, DON  
 Smpld/Rcvd : 08/31/2009 | 09/01/2009  
 Complete : September 01, 2009  
 Regression : PA  
 Originator : MIFFLIN AGWAY