



CUMBERLAND VALLEY ANALYTICAL SERVICES

"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: **DEVRY FORAGES**
 Desc: **#900 1ST MIX HNY NE**
 Submitter: **Devry Forages**
 Account: **Devry Forages**
#900 1ST MIX HNY NE

Copies to:

Lab ID: **39214 035**
 Sampled: **06/28/2026**
 Arrived: **06/30/2026**
 Completed: **07/01/2026**
 Reported: **07/01/2026**

SAMPLE INFORMATION

Lab ID: 39214 035 Version: 1.0
 Feed Type: GRASS FORAGE Crop Year:
 Package: BASIC NIR Cutting#:

NIR ANALYSIS RESULTS

Moisture 11.8
 Dry Matter 88.2

PROTEINS

	% SP	% CP	% DM
Crude Protein			20.4
Adjusted Protein			20.4
Soluble Protein		39.7	8.1
Ammonia (CPE)	20.9	8.3	1.69
ADF Protein (ADICP)		9.0	1.83
NDF Protein (NDICP)		19.3	3.94
NDR Protein (NDRCP)			
Rumen Degr. Protein		69.8	14.3
Amino Acid Protein, Total		64.3	13.13
Lysine			
Methionine			
Isoleucine			
Leucine			
Histidine			
Valine			
Arginine			

FIBER

	%NDFom	NDFom %DM	% NDF	% DM
ADF			76.5	37.6
aNDF		47.3		49.1
NDR (NDF w/o sulfite)				
Crude Fiber				
Lignin			15.0	7.37
NDF Digestibility (12 hr)	40.2	19.0	38.8	19.5
NDF Digestibility (24 hr)				
NDF Digestibility (30 hr)	51.5	24.4	49.3	24.2
NDF Digestibility (72 hr)				
NDF Digestibility (120 hr)	58.7	27.8	56.3	27.6
NDF Digestibility (240 hr)	61.2	29.0	58.7	28.8
uNDF (12 hr)	59.8	28.3		
uNDF (24 hr)				
uNDF (30 hr)	48.5	22.9	50.7	24.9
uNDF (120 hr)	41.3	19.5	43.7	21.5
uNDF (240 hr)	38.8	18.3	41.3	20.3

CARBOHYDRATES

	% Fat	% Starch	% NFC	% DM
Silage Acids				
ESC, Sugar			20.9	4.7
WSC, Sugar				7.0
Starch			3.6	0.8
Soluble Starch				
Soluble Fiber			50.0	11.1
Starch Dig. (7 hr, 4 mm)				
Crude Fat				1.76
Fatty Acids, Total	69.9			1.23
C16:0				0.31
C18:0				0.04
C18:1				0.03
C18:2				0.22
C18:3				0.41
Unsaturated Fatty Acids				0.66

Values in bold were analyzed by wet chemistry methods.

MINERALS

Ash (%DM)	10.4
Calcium (%DM)	1.15
Phosphorus (%DM)	0.35
Magnesium (%DM)	0.29
Potassium (%DM)	2.79
Sulfur (%DM)	0.24
Sodium (%DM)	
Chloride (%DM)	
Iron (PPM)	
Manganese (PPM)	
Zinc (PPM)	
Copper (PPM)	
Molybdenum (PPM)	

QUALITATIVE

pH
 Total VFA (%DM)
 Lactic Acid (%DM)
 Lactic as % of Total VFA
 Acetic Acid (%DM)
 Propionic Acid, %DM
 Butyric Acid (%DM)
 1, 2 Propanediol (%DM)
 Nitrate Ion (%DM)
 Nitrate-Nitrogen, ppm

Soil Contamination Probability Probable low to none
 Soil Contamination (%DM) 3.4
 NIR Statistical Confidence Excellent prediction potential

ENERGY & INDEX CALCULATIONS

TDN (%DM)	54.7
Net Energy Lactation (Mcal/lb)	0.55
Net Energy Maintenance (Mcal/lb)	0.52
Net Energy Gain (Mcal/lb)	0.26
ME (Mcal/lb)	0.9
AA Protein as % of Total Protein	64.3
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	4.48
NDF Dig. Rate (Kd, %HR, uNDF)	4.8
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	113
Relative Forage Quality (RFQ)	120
Milk per Ton (lbs/ton)	2670
Milk per Ton 2024(lbs/ton)	
Beef per Ton (lbs/ton)	
Dig. Organic Matter Index (lbs/ton)	1175
ROM (Residual Organic Matter)	20.38
NFC (Non-Fiber Carbohydrates)(%DM)	22.2
NSC (Non-Structural Carbohydrates) ESC (%DM)	5.5
NSC (Non-Structural Carbohydrates) WSC (%DM)	7.8
DCAD (meq/100gdm)	
Summative Index % (Mass Balance)	98.3

Additional sample information, submitted documents and lab pictures linked to QR code



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