



CUMBERLAND VALLEY ANALYTICAL SERVICES

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

Farm: **DEVRY FORAGES**
 Desc: **#901 1ST CUT SKO NE**
 Submitter: **Devry Forages**
 Account: **Devry forages**

Copies to:

Lab ID: **39214 038**
 Sampled: **06/28/2026**
 Arrived: **06/30/2026**
 Completed: **07/01/2026**
 Reported: **07/01/2026**

#901 1ST CUT SKO NE

SAMPLE INFORMATION

Lab ID: 39214 038 Version: 1.0
 Feed Type: LEGUME FORAGE Crop Year:
 Package: BASIC NIR Cutting#:

NIR ANALYSIS RESULTS

Moisture 10.1
 Dry Matter 89.9

PROTEINS

	% SP	% CP	% DM
Crude Protein			20.6
Adjusted Protein			20.6
Soluble Protein		46.9	9.7
Ammonia (CPE)	19.4	9.1	1.88
ADF Protein (ADICP)		6.9	1.43
NDF Protein (NDICP)		10.4	2.14
NDR Protein (NDRCP)			
Rumen Degr. Protein		73.5	15.1
Amino Acid Protein, Total		67.3	13.88
Lysine			
Methionine			
Isoleucine			
Leucine			
Histidine			
Valine			
Arginine			

FIBER

	%NDFom	NDFom %DM	% NDF	% DM
ADF			84.1	31.7
aNDF		36.5		37.6
NDR (NDF w/o sulfite)				
Crude Fiber				
Lignin			18.4	6.94
NDF Digestibility (12 hr)	20.1	7.3	19.4	7.7
NDF Digestibility (24 hr)				
NDF Digestibility (30 hr)	41.7	15.2	40.5	15.3
NDF Digestibility (72 hr)				
NDF Digestibility (120 hr)	43.9	16.0	42.7	16.1
NDF Digestibility (240 hr)	45.8	16.7	44.5	16.7
uNDF (12 hr)	80.0	29.2		
uNDF (24 hr)				
uNDF (30 hr)	58.3	21.3	59.5	22.4
uNDF (120 hr)	56.1	20.5	57.3	21.6
uNDF (240 hr)	54.2	19.8	55.5	20.9

CARBOHYDRATES

	% Fat	% Starch	% NFC	% DM
Silage Acids				
ESC, Sugar			24.3	8.1
WSC, Sugar				9.4
Starch			4.7	1.6
Soluble Starch				
Soluble Fiber			62.0	20.6
Starch Dig. (7 hr, 4 mm)				
Crude Fat				2.15
Fatty Acids, Total	66.1			1.42
C16:0				0.33
C18:0				0.05
C18:1				0.03
C18:2				0.26
C18:3				0.50
Unsaturated Fatty Acids				0.79

Values in bold were analyzed by wet chemistry methods.

MINERALS

Ash (%DM)	8.52
Calcium (%DM)	1.69
Phosphorus (%DM)	0.28
Magnesium (%DM)	0.38
Potassium (%DM)	1.31
Sulfur (%DM)	0.28
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) 3.5
 NIR Statistical Confidence Excellent prediction potential

ENERGY & INDEX CALCULATIONS

TDN (%DM)	61.3
Net Energy Lactation (Mcal/lb)	0.63
Net Energy Maintenance (Mcal/lb)	0.64
Net Energy Gain (Mcal/lb)	0.38
ME (Mcal/lb)	1.03
AA Protein as % of Total Protein	67.3
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	4.02
NDF Dig. Rate (Kd, %HR, uNDF)	5.2
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	159
Relative Forage Quality (RFQ)	154
Milk per Ton (lbs/ton)	2933
Milk per Ton 2024(lbs/ton)	
Beef per Ton (lbs/ton)	
Dig. Organic Matter Index (lbs/ton)	1262
ROM (Residual Organic Matter)	31.83
NFC (Non-Fiber Carbohydrates)(%DM)	33.2
NSC (Non-Structural Carbohydrates) ESC (%DM)	9.7
NSC (Non-Structural Carbohydrates) WSC (%DM)	11.0
DCAD (meq/100gdm)	
Summative Index % (Mass Balance)	98.6

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



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