



CUMBERLAND VALLEY ANALYTICAL SERVICES

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

Farm: **DEVRY FORAGES**
Desc: **#937 2ND CUT**
Submitter: **CVAS, ANALYSIS**
Account: **CVAS ANALYSIS**

Copies to: **NEELS, PETE**
BOON, LAMBERT

Lab ID: **39602 028**
Sampled: **08/25/2026**
Arrived: **08/26/2026**
Completed: **08/26/2026**
Reported: **08/26/2026**

#937 2ND CUT

SAMPLE INFORMATION

Lab ID: 39602 028 Version: 1.0
Feed Type: LEGUME FORAGE Crop Year:
Package: BASIC NIR Cutting#:

NIR ANALYSIS RESULTS

Moisture 12.5
Dry Matter 87.5

PROTEINS

	% SP	% CP	% DM
Crude Protein			17.9
Adjusted Protein			17.9
Soluble Protein		45.6	8.2
Ammonia (CPE)	15.1	6.9	1.23
ADF Protein (ADICP)		8.1	1.45
NDF Protein (NDICP)		11.2	2.00
NDR Protein (NDRCP)			
Rumen Degr. Protein		72.8	13.0
Amino Acid Protein, Total		66.7	11.94
Lysine			
Methionine			
Isoleucine			
Leucine			
Histidine			
Valine			
Arginine			

FIBER

	%NDFom	NDFom %DM	% NDF	% DM
ADF			82.1	34.7
aNDF		41.7		42.3
NDR (NDF w/o sulfite)				
Crude Fiber				
Lignin			19.5	8.26
NDF Digestibility (12 hr)	13.1	5.5	14.3	5.9
NDF Digestibility (24 hr)				
NDF Digestibility (30 hr)	35.8	14.9	35.6	15.0
NDF Digestibility (72 hr)				
NDF Digestibility (120 hr)	37.9	15.8	37.9	16.0
NDF Digestibility (240 hr)	39.6	16.5	39.5	16.7
uNDF (12 hr)	86.9	36.2		
uNDF (24 hr)				
uNDF (30 hr)	64.2	26.8	64.4	27.2
uNDF (120 hr)	62.1	25.9	62.1	26.3
uNDF (240 hr)	60.4	25.2	60.5	25.6

CARBOHYDRATES

	% Fat	% Starch	% NFC	% DM
Silage Acids				
ESC, Sugar			24.4	7.6
WSC, Sugar				10.5
Starch			1.4	0.4
Soluble Starch				
Soluble Fiber			61.9	19.3
Starch Dig. (7 hr, 4 mm)				
Crude Fat				2.24
Fatty Acids, Total	50.9			1.14
C16:0				0.33
C18:0				0.06
C18:1				0.03
C18:2				0.21
C18:3				0.29
Unsaturated Fatty Acids				0.53

MINERALS

Ash (%DM) 8.40
Calcium (%DM) 1.49
Phosphorus (%DM) 0.24
Magnesium (%DM) 0.33
Potassium (%DM) 2.04
Sulfur (%DM) 0.26
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) 1.8
NIR Statistical Confidence Excellent prediction potential

ENERGY & INDEX CALCULATIONS

TDN (%DM) 58.3
Net Energy Lactation (Mcal/lb) 0.59
Net Energy Maintenance (Mcal/lb) 0.58
Net Energy Gain (Mcal/lb) 0.32
ME (Mcal/lb) 0.97
AA Protein as % of Total Protein 66.7
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4) 3.48
NDF Dig. Rate (Kd, %HR, uNDF) 4.9
Starch Dig. Rate (Kd, %HR, Mertens)
Relative Feed Value (RFV) 136
Relative Forage Quality (RFQ) 120
Milk per Ton (lbs/ton) 2633
Milk per Ton 2024(lbs/ton)
Beef per Ton (lbs/ton)
Dig. Organic Matter Index (lbs/ton) 1134
ROM (Residual Organic Matter) 30.15
NFC (Non-Fiber Carbohydrates)(%DM) 31.2
NSC (Non-Structural Carbohydrates) ESC (%DM) 8.0
NSC (Non-Structural Carbohydrates) WSC (%DM) 10.9
DCAD (meq/100gdm)
Summative Index % (Mass Balance) 99.3

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



Values in bold were analyzed by wet chemistry methods.

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