



CUMBERLAND VALLEY ANALYTICAL SERVICES

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

Farm: **DEVRY FORAGES**
Desc: **#926 1ST CUT MIX**
Submitter: **CVAS, ANALYSIS**
Account: **CVAS ANALYSIS**

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

Lab ID: **39373 151**
Sampled: **07/28/2026**
Arrived: **07/29/2026**
Completed: **07/29/2026**
Reported: **07/29/2026**

#926 1ST CUT MIX

SAMPLE INFORMATION

Lab ID: 39373 151 Version: 1.0
Feed Type: MIXED FORAGE Crop Year:
Package: BASIC NIR Cutting#:

NIR ANALYSIS RESULTS

Moisture 8.2
Dry Matter 91.8

PROTEINS

	% SP	% CP	% DM
Crude Protein			9.1
Adjusted Protein			9.1
Soluble Protein		47.9	4.4
Ammonia (CPE)	21.3	10.2	0.93
ADF Protein (ADICP)		12.5	1.14
NDF Protein (NDICP)		19.1	1.74
NDR Protein (NDRCP)			
Rumen Degr. Protein		74.0	6.7
Amino Acid Protein, Total		58.3	5.31
Lysine			
Methionine			
Isoleucine			
Leucine			
Histidine			
Valine			
Arginine			

FIBER

	%NDFom	NDFom %DM	% NDF	% DM
ADF			71.2	41.0
aNDF		53.4		57.6
NDR (NDF w/o sulfite)				
Crude Fiber				
Lignin			11.6	6.69
NDF Digestibility (12 hr)	15.3	8.2	14.2	8.7
NDF Digestibility (24 hr)				
NDF Digestibility (30 hr)	43.3	23.1	40.5	23.3
NDF Digestibility (72 hr)				
NDF Digestibility (120 hr)	53.1	28.3	49.4	28.5
NDF Digestibility (240 hr)	57.2	30.5	53.3	30.7
uNDF (12 hr)	84.7	45.2		
uNDF (24 hr)				
uNDF (30 hr)	56.7	30.3	59.5	34.3
uNDF (120 hr)	47.0	25.1	50.6	29.1
uNDF (240 hr)	42.8	22.9	46.7	26.9

CARBOHYDRATES

	% Fat	% Starch	% NFC	% DM
Silage Acids				
ESC, Sugar			32.5	8.1
WSC, Sugar				14.4
Starch			7.7	1.9
Soluble Starch				
Soluble Fiber			34.2	8.56
Starch Dig. (7 hr, 4 mm)				
Crude Fat				2.19
Fatty Acids, Total	32.4			0.71
C16:0				0.19
C18:0				0.02
C18:1				0.04
C18:2				0.13
C18:3				0.10
Unsaturated Fatty Acids				0.27

Values in bold were analyzed by wet chemistry methods.

MINERALS

Ash (%DM) 7.83
Calcium (%DM) 0.67
Phosphorus (%DM) 0.14
Magnesium (%DM) 0.23
Potassium (%DM) 1.43
Sulfur (%DM) 0.20
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) 3.6
NIR Statistical Confidence Excellent prediction potential

ENERGY & INDEX CALCULATIONS

TDN (%DM) 56.0
Net Energy Lactation (Mcal/lb) 0.57
Net Energy Maintenance (Mcal/lb) 0.54
Net Energy Gain (Mcal/lb) 0.28
ME (Mcal/lb) 0.93
AA Protein as % of Total Protein 58.3
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4) 2.64
NDF Dig. Rate (Kd, %HR, uNDF) 3.9
Starch Dig. Rate (Kd, %HR, Mertens)
Relative Feed Value (RFV) 92
Relative Forage Quality (RFQ) 94
Milk per Ton (lbs/ton) 2231
Milk per Ton 2024(lbs/ton)
Beef per Ton (lbs/ton)
Dig. Organic Matter Index (lbs/ton) 1137
ROM (Residual Organic Matter) 26.18
NFC (Non-Fiber Carbohydrates)(%DM) 25.0
NSC (Non-Structural Carbohydrates) ESC (%DM) 10.0
NSC (Non-Structural Carbohydrates) WSC (%DM) 16.3
DCAD (meq/100gdm)
Summative Index % (Mass Balance) 95.9

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



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