



CUMBERLAND VALLEY ANALYTICAL SERVICES

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

Farm: **DEVRY FORAGES**
Desc: **#909 DRYLAND TOP 200 1ST CUT**
Submitter: **CVAS, ANALYSIS**
Account: **CVAS ANALYSIS**

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

Lab ID: **38328 315**
Sampled: **07/13/2026**
Arrived: **07/14/2026**
Completed: **07/16/2026**
Reported: **07/16/2026**

#909 DRYLAND TOP 200 1ST CUT

SAMPLE INFORMATION

Lab ID: 38328 315 Version: 1.0
Feed Type: MIXED FORAGE Crop Year:
Package: BASIC NIR Cutting#:

NIR ANALYSIS RESULTS

Moisture 10.7
Dry Matter 89.3

PROTEINS

	% SP	% CP	% DM
Crude Protein			16.9
Adjusted Protein			16.9
Soluble Protein		43.2	7.3
Ammonia (CPE)	15.4	6.7	1.13
ADF Protein (ADICP)		5.7	0.97
NDF Protein (NDICP)		11.0	1.87
NDR Protein (NDRCP)			
Rumen Degr. Protein		71.6	12.1
Amino Acid Protein, Total		68.3	11.56
Lysine			
Methionine			
Isoleucine			
Leucine			
Histidine			
Valine			
Arginine			

FIBER

	%NDFom	NDFom %DM	% NDF	% DM
ADF			65.9	32.2
aNDF		47.6		48.9
NDR (NDF w/o sulfite)				
Crude Fiber				
Lignin			9.89	4.84
NDF Digestibility (12 hr)	34.9	16.6	33.8	17.1
NDF Digestibility (24 hr)				
NDF Digestibility (30 hr)	55.0	26.2	53.2	26.0
NDF Digestibility (72 hr)				
NDF Digestibility (120 hr)	69.3	33.0	67.0	32.8
NDF Digestibility (240 hr)	72.2	34.4	69.9	34.2
uNDF (12 hr)	65.2	31.0		
uNDF (24 hr)				
uNDF (30 hr)	45.0	21.4	46.8	22.9
uNDF (120 hr)	30.7	14.6	33.0	16.1
uNDF (240 hr)	27.8	13.2	30.1	14.7

CARBOHYDRATES

	% Fat	% Starch	% NFC	% DM
Silage Acids				
ESC, Sugar			32.7	7.7
WSC, Sugar				9.4
Starch			6.7	1.6
Soluble Starch				
Soluble Fiber			49.8	11.7
Starch Dig. (7 hr, 4 mm)				
Crude Fat				2.24
Fatty Acids, Total	52.7			1.18
C16:0				0.32
C18:0				0.03
C18:1				0.02
C18:2				0.19
C18:3				0.42
Unsaturated Fatty Acids				0.63

Values in bold were analyzed by wet chemistry methods.

MINERALS

Ash (%DM) 10.3
Calcium (%DM) 1.18
Phosphorus (%DM) 0.22
Magnesium (%DM) 0.29
Potassium (%DM) 2.23
Sulfur (%DM) 0.23
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) 7.7
NIR Statistical Confidence Good prediction potential

ENERGY & INDEX CALCULATIONS

TDN (%DM) 59.3
Net Energy Lactation (Mcal/lb) 0.60
Net Energy Maintenance (Mcal/lb) 0.60
Net Energy Gain (Mcal/lb) 0.34
ME (Mcal/lb) 0.99
AA Protein as % of Total Protein 68.3
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4) 3.73
NDF Dig. Rate (Kd, %HR, uNDF) 4.1
Starch Dig. Rate (Kd, %HR, Mertens)
Relative Feed Value (RFV) 121
Relative Forage Quality (RFQ) 121
Milk per Ton (lbs/ton) 2656
Milk per Ton 2024(lbs/ton)
Beef per Ton (lbs/ton)
Dig. Organic Matter Index (lbs/ton) 1219
ROM (Residual Organic Matter) 22.08
NFC (Non-Fiber Carbohydrates)(%DM) 23.5
NSC (Non-Structural Carbohydrates) ESC (%DM) 9.3
NSC (Non-Structural Carbohydrates) WSC (%DM) 11.0
DCAD (meq/100gdm)
Summative Index % (Mass Balance) 98.7

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

