



CUMBERLAND VALLEY ANALYTICAL SERVICES

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

Farm: **DEVRY FORAGES**
Desc: **#938 2ND CUT MIX 96X**
Submitter: **CVAS, ANALYSIS**
Account: **CVAS ANALYSIS**
#938 2ND CUT MIX 96X

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

Lab ID: **39602 063**
Sampled: **08/31/2026**
Arrived: **09/01/2026**
Completed: **09/01/2026**
Reported: **09/01/2026**

SAMPLE INFORMATION

Lab ID: 39602 063 Version: 1.0
Feed Type: LEGUME FORAGE Crop Year:
Package: BASIC NIR Cutting#:

NIR ANALYSIS RESULTS

Moisture 9.0
Dry Matter 91.0

PROTEINS

	% SP	% CP	% DM
Crude Protein			19.2
Adjusted Protein			19.2
Soluble Protein		40.4	7.8
Ammonia (CPE)	8.7	3.5	0.67
ADF Protein (ADICP)		8.4	1.62
NDF Protein (NDICP)		13.5	2.59
NDR Protein (NDRCP)			
Rumen Degr. Protein		70.2	13.5
Amino Acid Protein, Total		64.5	12.38
Lysine			
Methionine			
Isoleucine			
Leucine			
Histidine			
Valine			
Arginine			

FIBER

	%NDFom	NDFom %DM	% NDF	% DM
ADF			79.8	38.8
aNDF		47.1		48.7
NDR (NDF w/o sulfite)				
Crude Fiber				
Lignin			17.4	8.46
NDF Digestibility (12 hr)	21.3	10.1	20.8	10.5
NDF Digestibility (24 hr)				
NDF Digestibility (30 hr)	38.6	18.2	37.4	18.2
NDF Digestibility (72 hr)				
NDF Digestibility (120 hr)	43.9	20.7	42.6	20.7
NDF Digestibility (240 hr)	45.6	21.5	44.4	21.6
uNDF (12 hr)	78.7	37.1		
uNDF (24 hr)				
uNDF (30 hr)	61.4	28.9	62.6	30.4
uNDF (120 hr)	56.1	26.4	57.4	27.9
uNDF (240 hr)	54.4	25.6	55.6	27.1

CARBOHYDRATES

	% Fat	% Starch	% NFC	% DM
Silage Acids				
ESC, Sugar			22.8	5.3
WSC, Sugar				8.4
Starch			2.1	0.5
Soluble Starch				
Soluble Fiber			53.9	12.4
Starch Dig. (7 hr, 4 mm)				
Crude Fat				1.87
Fatty Acids, Total	54.0			1.01
C16:0				0.35
C18:0				0.05
C18:1				0.04
C18:2				0.17
C18:3				0.18
Unsaturated Fatty Acids				0.39

Values in bold were analyzed by wet chemistry methods.

MINERALS

Ash (%DM) 9.76
Calcium (%DM) 1.41
Phosphorus (%DM) 0.30
Magnesium (%DM) 0.30
Potassium (%DM) 2.20
Sulfur (%DM) 0.29
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) 3.2
NIR Statistical Confidence Excellent prediction potential

ENERGY & INDEX CALCULATIONS

TDN (%DM) 54.0
Net Energy Lactation (Mcal/lb) 0.55
Net Energy Maintenance (Mcal/lb) 0.50
Net Energy Gain (Mcal/lb) 0.25
ME (Mcal/lb) 0.89
AA Protein as % of Total Protein 64.5
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4) 3.25
NDF Dig. Rate (Kd, %HR, uNDF) 4.4
Starch Dig. Rate (Kd, %HR, Mertens)
Relative Feed Value (RFV) 112
Relative Forage Quality (RFQ) 96
Milk per Ton (lbs/ton) 2235
Milk per Ton 2024(lbs/ton)
Beef per Ton (lbs/ton)
Dig. Organic Matter Index (lbs/ton) 1115
ROM (Residual Organic Matter) 22.00
NFC (Non-Fiber Carbohydrates)(%DM) 23.1
NSC (Non-Structural Carbohydrates) ESC (%DM) 5.8
NSC (Non-Structural Carbohydrates) WSC (%DM) 8.9
DCAD (meq/100gdm)
Summative Index % (Mass Balance) 98.4

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



Cumberland Valley Analytical Services, Inc.

4999 Zane A. Miller Drive, Waynesboro, PA 17268
www.foragelab.com | mail@foragelab.com | 301-790-1980 | 800-CVAS-LAB

