



CUMBERLAND VALLEY ANALYTICAL SERVICES

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

Farm: **DEVRY FORAGES**
Desc: **#929 2ND CUT SAINFOIN**
Submitter: **CVAS, ANALYSIS**
Account: **CVAS ANALYSIS**

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

Lab ID: **39373 177**
Sampled: **08/03/2026**
Arrived: **08/04/2026**
Completed: **08/04/2026**
Reported: **08/04/2026**

#929 2ND CUT SAINFOIN

SAMPLE INFORMATION

Lab ID: 39373 177 Version: 1.0
Feed Type: MML FORAGE Crop Year:
Package: BASIC NIR Cutting#:

NIR ANALYSIS RESULTS

Moisture 10.2
Dry Matter 89.8

PROTEINS

	% SP	% CP	% DM
Crude Protein			17.2
Adjusted Protein			17.2
Soluble Protein		33.2	5.7
Ammonia (CPE)	27.5	9.1	1.57
ADF Protein (ADICP)		7.6	1.30
NDF Protein (NDICP)		14.8	2.54
NDR Protein (NDRCP)			
Rumen Degr. Protein		66.6	11.5
Amino Acid Protein, Total		69.8	12.00
Lysine			
Methionine			
Isoleucine			
Leucine			
Histidine			
Valine			
Arginine			

FIBER

	%NDFom	NDFom %DM	% NDF	% DM
ADF			70.1	25.8
aNDF		34.0		36.8
NDR (NDF w/o sulfite)				
Crude Fiber				
Lignin			15.8	5.81
NDF Digestibility (12 hr)	34.6	11.8	32.0	12.1
NDF Digestibility (24 hr)				
NDF Digestibility (30 hr)	53.5	18.2	50.1	18.4
NDF Digestibility (72 hr)				
NDF Digestibility (120 hr)	60.2	20.5	56.2	20.7
NDF Digestibility (240 hr)	62.9	21.4	58.6	21.6
uNDF (12 hr)	65.4	22.3		
uNDF (24 hr)				
uNDF (30 hr)	46.5	15.8	50.0	18.4
uNDF (120 hr)	39.8	13.5	43.8	16.1
uNDF (240 hr)	37.1	12.6	41.4	15.2

CARBOHYDRATES

	% Fat	% Starch	% NFC	% DM
Silage Acids				
ESC, Sugar			32.1	11.7
WSC, Sugar			1.2	17.1
Starch			4.9	1.8
Soluble Starch				
Soluble Fiber			57.4	20.9
Starch Dig. (7 hr, 4 mm)				
Crude Fat				1.87
Fatty Acids, Total	72.2			1.35
C16:0				0.35
C18:0				0.06
C18:1				0.05
C18:2				0.31
C18:3				0.53
Unsaturated Fatty Acids				0.89

MINERALS

Ash (%DM) 10.3
Calcium (%DM) 2.14
Phosphorus (%DM) 0.16
Magnesium (%DM) 0.48
Potassium (%DM) 1.45
Sulfur (%DM) 0.24
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) 6.2
NIR Statistical Confidence Prediction Potential Concern

ENERGY & INDEX CALCULATIONS

TDN (%DM) 61.1
Net Energy Lactation (Mcal/lb) 0.62
Net Energy Maintenance (Mcal/lb) 0.64
Net Energy Gain (Mcal/lb) 0.37
ME (Mcal/lb) 1.03
AA Protein as % of Total Protein 69.8
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4) 4.92
NDF Dig. Rate (Kd, %HR, uNDF) 5.0
Starch Dig. Rate (Kd, %HR, Mertens)
Relative Feed Value (RFV) 174
Relative Forage Quality (RFQ) 176
Milk per Ton (lbs/ton) 3003
Milk per Ton 2024(lbs/ton)
Beef per Ton (lbs/ton)
Dig. Organic Matter Index (lbs/ton) 1328
ROM (Residual Organic Matter) 35.86
NFC (Non-Fiber Carbohydrates)(%DM) 36.4
NSC (Non-Structural Carbohydrates) ESC (%DM) 13.5
NSC (Non-Structural Carbohydrates) WSC (%DM) 18.9
DCAD (meq/100gdm)
Summative Index % (Mass Balance) 102.6

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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