



CUMBERLAND VALLEY ANALYTICAL SERVICES

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

Farm: HUBKA FARMS
Desc: STACKYARD 2 ALFALFA
Submitter: HUBKA, CALE
Account: HUBKA FARMS LTD

Copies to: WHITTLE, CHRIS

Lab ID: 22920 022
Sampled: 10/09/2017
Arrived: 10/10/2017
Completed: 10/11/2017
Reported: 10/17/2017

STACKYARD 2 ALFALFA

SAMPLE INFORMATION

Lab ID: 22920 022 Version: 2.0
Crop Year: 2016 Series:
Feed Type: LEGUME FORAGE Cutting#: 2
Package: BASIC NIR

NIR ANALYSIS RESULTS

Moisture 10.4
Dry Matter 89.6

PROTEINS

	% SP	% CP	% DM
Crude Protein			16.8
Adjusted Protein			16.8
Soluble Protein	40.7	6.8	
Ammonia (CPE)			
ADF Protein (ADICP)		8.6	1.45
NDF Protein (NDICP)		12.3	2.06
NDR Protein (NDRCP)			
Rumen Degr. Protein		70.4	11.8
Rumen Deg. CP (Strep.G)			

FIBER

	% NDF	% DM
ADF	87.0	36.8
aNDF		42.3
aNDFom		40.1
NDR (NDF w/o sulfite)		
peNDF		
Crude Fiber		
Lignin	20.4	8.66
NDF Digestibility (12 hr)		
NDF Digestibility (24 hr)		
NDF Digestibility (30 hr)		
NDF Digestibility (48 hr)		
NDF Digestibility (120 hr)		
NDF Digestibility (240 hr)		
uNDF (30 hr)		
uNDF (120 hr)		
uNDF (240 hr)		

CARBOHYDRATES

	% Starch	% NFC	% DM
Ethanol Soluble CHO (Sugar)		25.5	7.8
Water Soluble CHO (Sugar)			
Starch		7.8	2.4
Soluble Fiber			
Starch Dig. (7 hr, 4 mm)			
Fatty Acids, Total			
Fatty Acids (%Fat)			
Crude Fat			2.27

MINERALS

Ash (%DM)	9.90
Calcium (%DM)	1.46
Phosphorus (%DM)	0.21
Magnesium (%DM)	0.26
Potassium (%DM)	2.40
Sulfur (%DM)	0.25
Sodium (%DM)	
Chloride (%DM)	
Iron (PPM)	
Manganese (PPM)	
Zinc (PPM)	
Copper (PPM)	
Nitrate Ion (%DM)	
Selenium (PPM)	
Molybdenum (PPM)	

ENERGY & INDEX CALCULATIONS

pH	
TDN (%DM)	58.2
Net Energy Lactation (Mcal/lb)	0.58
Net Energy Maintenance (Mcal/lb)	0.55
Net Energy Gain (Mcal/lb)	0.29
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	
NDF Dig. Rate (Kd, %HR, uNDF)	
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	132
Relative Feed Quality (RFQ)	
Milk per Ton (lbs/ton)	
Dig. Organic Matter Index (lbs/ton)	
Non Fiber Carbohydrates (%DM)	30.8
Non Structural Carbohydrates (%DM)	10.2
DCAD (meq/100gdm)	
CNCPS / CPM Lignin Factor	
Summative Index % (Mass Balance)	
Additional sample information, source and lab pictures	



Values in bold were analyzed by wet chemistry methods.

Definitions and explanation of report terms



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