



CUMBERLAND VALLEY ANALYTICAL SERVICES

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

Farm: PLEASANT VIEW FARMS
Desc: 2ND CUT SM SQ ALFALFA/ORCHARD 8/16
Submitter: LIPTON, JAKE
Account: PLEASANT VIEW FARMS, INC.

Copies to: LIPTON, LOUIS

Lab ID: 24946 177
Sampled: 09/25/2018
Arrived: 09/27/2018
Completed: 09/27/2018
Reported: 09/27/2018

2ND CUT SM SQ ALFALFA/ORCHARD 8/16

SAMPLE INFORMATION

Lab ID: 24946 177 Version: 1.0
Crop Year: 2018 Series:
Feed Type: MML FORAGE Cutting#: 2
Package: BASIC NIR

NIR ANALYSIS RESULTS

Moisture 15.1
Dry Matter 84.9

PROTEINS

	% SP	% CP	% DM
Crude Protein			17.7
Adjusted Protein			17.7
Soluble Protein		40.7	7.2
Ammonia (CPE)	5.8	2.4	0.42
ADF Protein (ADICP)		8.5	1.50
NDF Protein (NDICP)		15.6	2.76
NDR Protein (NDRCP)			
Rumen Degr. Protein		70.4	12.4
Rumen Deg. CP (Strep.G)			

FIBER

	% NDF	% DM
ADF	77.4	37.8
aNDF		48.8
aNDFom		48.1
NDR (NDF w/o sulfite)		
peNDF		
Crude Fiber		
Lignin	16.5	8.04
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)		21.7	5.3
Water Soluble CHO (Sugar)			7.2
Starch		7.5	1.8
Soluble Fiber			
Starch Dig. (7 hr, 4 mm)			
Fatty Acids, Total			
Fatty Acids (%Fat)			
Crude Fat			1.88

MINERALS

Ash (%DM)	10.0
Calcium (%DM)	0.96
Phosphorus (%DM)	0.32
Magnesium (%DM)	0.15
Potassium (%DM)	3.96
Sulfur (%DM)	
Sodium (%DM)	
Chloride (%DM)	
Iron (PPM)	
Manganese (PPM)	
Zinc (PPM)	
Copper (PPM)	
Nitrate Ion (%DM)	
Selenium (PPM)	
Molybdenum (PPM)	

ENERGY & INDEX CALCULATIONS

pH	5.95
TDN (%DM)	56.4
Net Energy Lactation (Mcal/lb)	0.56
Net Energy Maintenance (Mcal/lb)	0.51
Net Energy Gain (Mcal/lb)	0.26
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	
NDF Dig. Rate (Kd, %HR, uNDF)	4.8
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	113
Relative Forage Quality (RFQ)	
Milk per Ton (lbs/ton)	
Dig. Organic Matter Index (lbs/ton)	
Non Fiber Carbohydrates (%DM)	24.4
Non Structural Carbohydrates (%DM)	7.1
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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