



CUMBERLAND VALLEY ANALYTICAL SERVICES

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

Farm: PLEASANT VIEW FARMS
Desc: 1ST CUT LG SQ TIM/ORCH 7/18-8/18
Submitter: LIPTON, JAKE
Account: PLEASANT VIEW FARMS, INC.

Copies to: LIPTON, LOUIS

Lab ID: 24946 179
Sampled: 09/25/2018
Arrived: 09/27/2018
Completed: 09/27/2018
Reported: 09/27/2018

1ST CUT LG SQ TIM/ORCH 7/18-8/18

SAMPLE INFORMATION

Lab ID: 24946 179 Version: 1.0
Crop Year: 2018 Series:
Feed Type: TIMOTHY FORAGE Cutting#: 1
Package: BASIC NIR

NIR ANALYSIS RESULTS

Moisture 13.0
Dry Matter 87.0

PROTEINS

	% SP	% CP	% DM
Crude Protein			7.8
Adjusted Protein		95.0	7.4
Soluble Protein		29.9	2.3
Ammonia (CPE)	34.2	10.2	0.80
ADF Protein (ADICP)		15.0	1.17
NDF Protein (NDICP)		39.6	3.10
NDR Protein (NDRCP)			
Rumen Degr. Protein		65.0	5.1
Rumen Deg. CP (Strep.G)			

FIBER

	% NDF	% DM
ADF	59.5	40.4
aNDF		67.9
aNDFom		66.9
NDR (NDF w/o sulfite)		
peNDF		
Crude Fiber		
Lignin	7.45	5.06
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)		34.4	6.5
Water Soluble CHO (Sugar)			11.0
Starch		11.2	2.1
Soluble Fiber			
Starch Dig. (7 hr, 4 mm)			
Fatty Acids, Total			
Fatty Acids (%Fat)			
Crude Fat			2.30

MINERALS

Ash (%DM)	6.03
Calcium (%DM)	0.37
Phosphorus (%DM)	0.21
Magnesium (%DM)	0.15
Potassium (%DM)	2.32
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	
TDN (%DM)	59.1
Net Energy Lactation (Mcal/lb)	0.59
Net Energy Maintenance (Mcal/lb)	0.57
Net Energy Gain (Mcal/lb)	0.31
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	
NDF Dig. Rate (Kd, %HR, uNDF)	4.9
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	79
Relative Forage Quality (RFQ)	
Milk per Ton (lbs/ton)	
Dig. Organic Matter Index (lbs/ton)	
Non Fiber Carbohydrates (%DM)	19.0
Non Structural Carbohydrates (%DM)	8.6
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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