



SAMPLE INFORMATION				MINERALS	
Lab ID:	Version:	1.0		Ash (%DM)	4.25
Crop Year:	Series:			Calcium (%DM)	0.73
Feed Type: GRASS FORAGE	Cutting#:			Phosphorus (%DM)	0.24
Package: BASIC NIR				Magnesium (%DM)	0.30
NIR ANALYSIS RESULTS				Potassium (%DM)	0.70
Moisture			14.6	Sulfur (%DM)	0.26
Dry Matter			85.4	Sodium (%DM)	
PROTEINS				Chloride (%DM)	
	% SP	% CP	% DM	Iron (PPM)	
Crude Protein			15.7	Manganese (PPM)	
Adjusted Protein			15.7	Zinc (PPM)	
Soluble Protein		27.3	4.3	Copper (PPM)	
Ammonia (CPE)	41.0	11.2	1.75	Molybdenum (PPM)	
ADF Protein (ADICP)		12.3	1.93	QUALITATIVE	
NDF Protein (NDICP)		43.3	6.78	pH	
NDR Protein (NDRCP)				Total VFA (%DM)	
Rumen Degr. Protein		63.6	10.0	Lactic Acid (%DM)	
Amino Acid Protein, Total				Lactic as % of Total VFA	
FIBER				Acetic Acid (%DM)	
	% NDF	% DM		Butyric Acid (%DM)	
ADF	61.8	40.8		1, 2 Propanediol (%DM)	
aNDF		66.0		Nitrate Ion (%DM)	
aNDFom		64.5		Nitrate-Nitrogen, ppm	
NDR (NDF w/o sulfite)					
Crude Fiber				Soil Contamination Probability	
Lignin	11.2	7.41		NIR Statistical Confidence	
NDF Digestibility (12 hr)				ENERGY & INDEX CALCULATIONS	
NDF Digestibility (24 hr)				TDN (%DM)	57.1
NDF Digestibility (30 hr)				Net Energy Lactation (Mcal/kg)	1.28
NDF Digestibility (72 hr)				Net Energy Maintenance (Mcal/kg)	1.24
NDF Digestibility (120 hr)				Net Energy Gain (Mcal/kg)	0.67
NDF Digestibility (240 hr)				ME (Mcal/kg)	2.09
uNDF (12 hr)				AA Protein as % of Total Protein	
uNDF (30 hr)				NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	
uNDF (120 hr)				NDF Dig. Rate (Kd, %HR, uNDF)	4.5
uNDF (240 hr)				Starch Dig. Rate (Kd, %HR, Mertens)	
CARBOHYDRATES				Relative Feed Value (RFV)	81
	% Starch	% NFC	% DM	Relative Forage Quality (RFQ)	
Ethanol Soluble CHO (ESC-Sugar)		13.1	2.4	Milk per Ton (kg/tonne)	1286
Water Soluble CHO (WSC-Sugar)			6.1	Beef per Ton (kg/tonne)	
Starch	13.9	2.6		Dig. Organic Matter Index (kg/tonne)	
Soluble Starch				NFC (Non-Fiber Carbohydrates)(%DM)	18.4
Soluble Fiber				NSC (Non-Structural Carbohydrates) ESC (%DM)	5.0
Starch Dig. (7 hr, 4 mm)				NSC (Non-Structural Carbohydrates) WSC (%DM)	8.7
Crude Fat			2.52	DCAD (meq/100gdm)	
Fatty Acids, Total				Summative Index % (Mass Balance)	
C16:0					
C18:0					
C18:1					
C18:2					
C18:3					
Unsaturated Fatty Acids (RUFAL)					
Fatty Acids (%Fat)					

Values in bold were analyzed by wet chemistry methods.

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

