



SAMPLE INFORMATION					MINERALS			
Lab ID:		Version:		1.0	Ash (%DM)		8.16	
Crop Year:		Series:			Calcium (%DM)		0.29	
Feed Type:		GRASS FORAGE		Cutting#:	Phosphorus (%DM)		0.41	
Package:		BASIC NIR			Magnesium (%DM)		0.11	
					Potassium (%DM)		3.81	
NIR ANALYSIS RESULTS					Sulfur (%DM)		0.21	
Moisture					77.2			
Dry Matter					22.8			
PROTEINS		% SP	% CP	% DM	Chloride (%DM)			
Crude Protein				14.8	Iron (PPM)			
Adjusted Protein				14.8	Manganese (PPM)			
Soluble Protein			70.9	10.5	Zinc (PPM)			
Ammonia (CPE)		21.4	15.1	2.24	Copper (PPM)			
ADF Protein (ADICP)			4.8	0.71	Molybdenum (PPM)			
NDF Protein (NDICP)			6.9	1.02	QUALITATIVE			
NDR Protein (NDRCP)					pH		3.64	
Rumen Degr. Protein			85.4	12.6	Total VFA (%DM)		16.22	
Amino Acid Protein, Total			64.6	9.56	Lactic Acid (%DM)		9.74	
FIBER		%NDFom	NDFom %DM	% NDF	% DM	Lactic as % of Total VFA		60
ADF				65.6	37.2	Acetic Acid (%DM)		5.13
aNDF			55.8		56.6	Butyric Acid (%DM)		1.35
NDR (NDF w/o sulfite)						1, 2 Propanediol (%DM)		
Crude Fiber						Nitrate Ion (%DM)		
Lignin				6.73	3.81	Nitrate-Nitrogen, ppm		
NDF Digestibility (12 hr)		44.1	24.6	44.8	25.2	Soil Contamination Probability		
NDF Digestibility (24 hr)						NIR Statistical Confidence		Prediction Potential Concern
NDF Digestibility (30 hr)		72.0	40.2	71.4	40.5	ENERGY & INDEX CALCULATIONS		
NDF Digestibility (72 hr)						TDN (%DM)		64.5
NDF Digestibility (120 hr)		80.1	44.7	79.3	44.9	Net Energy Lactation (Mcal/kg)		1.46
NDF Digestibility (240 hr)		91.0	50.8	90.1	51.0	Net Energy Maintenance (Mcal/kg)		1.54
uNDF (12 hr)		55.9	31.2			Net Energy Gain (Mcal/kg)		0.94
uNDF (30 hr)		28.0	15.6	28.6	16.2	ME (Mcal/kg)		2.42
uNDF (120 hr)		20.0	11.1	20.7	11.7	AA Protein as % of Total Protein		64.6
uNDF (240 hr)		9.0	5.0	9.9	5.6	NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)		5.57
CARBOHYDRATES		% Starch	% NFC	% DM	NDF Dig. Rate (Kd, %HR, uNDF)		4.7	
Silage Acids			99.4	16.2	Starch Dig. Rate (Kd, %HR, Mertens)			
Ethanol Soluble CHO (ESC-Sugar)			0.2	0.0	Relative Feed Value (RFV)		99	
Water Soluble CHO (WSC-Sugar)				1.4	Relative Forage Quality (RFQ)		161	
Starch					Milk per Ton (kg/tonne)		1684	
Soluble Starch					Beef per Ton (kg/tonne)			
Soluble Fiber			13.4	2.18	Dig. Organic Matter Index (kg/tonne)		174	
Starch Dig. (7 hr, 4 mm)					NFC (Non-Fiber Carbohydrates)(%DM)		16.3	
Crude Fat				5.11	NSC (Non-Structural Carbohydrates) ESC (%DM)			
Fatty Acids, Total				2.95	NSC (Non-Structural Carbohydrates) WSC (%DM)			
C16:0				0.39	DCAD (meq/100gdm)			
C18:0				0.04	Summative Index % (Mass Balance)		99.1	
C18:1				0.07				
C18:2				0.48				
C18:3				1.61				
Unsaturated Fatty Acids (RUFAL)				2.16	Additional sample information, submitted documents and lab pictures linked to QR code			
Fatty Acids (%Fat)				57.7				

Values in bold were analyzed by wet chemistry methods.

