

Client : Example Report	Grower : Example Report Waypoint Analytical	Report No: 18-002-0208 Customer No: 99999 Date Printed: 01/04/2018 Date Received : PO:
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Lab Number: 97038  
 Sample Type: Corn Silage

Field ID:

Sample ID: C. Silage

NIR ANALYSIS RESULTS			Range	MINERALS			Range
Moisture (%)	61.8		63.2 - 66.6	Ash (% DM)	4.57		1.6 - 2.9
Dry Matter (%)	38.2		30.7 - 40.5	Calcium (% DM)	0.21		0.18 - 0.38
<b>PROTEINS</b>				Phosphorus (% DM)	0.22		0.22 - 0.3
	<b>%CP</b>	<b>%DM</b>		Magnesium (% DM)	0.15		0.14 - 0.17
Crude Protein		8.1	7.5 - 9.1	Potassium (% DM)	0.68		0.9 - 1.5
Soluble Protein	61.5	5.0		Sulfur (% DM)	0.10		0.12 - 0.16
Ammonia	9.9	0.8	0.001 - 1	Sodium (% DM) (ppm)			
ADF Protein (ADICP)	2.9	0.2	0.21 - 0.39	Chloride (ppm)			
NDF Protein (NDICP)	14.9	1.2	1.3 - 1.8	Iron (ppm)			
Rumen Degradable Protein	75.96	6.13		Manganese (ppm)			
Rumen Undegradable Protein	24.0	1.94		Zinc (ppm)			
<b>FIBER</b>				Copper (ppm)			
	<b>%NDF</b>	<b>%DM</b>		Aluminum (ppm)			
ADF	51.5	18.9	19.6 - 25.9	Boron (ppm)			
NDF		36.7	36 - 45	Molybdenum (ppm)			
NDFom		36.0		Nitrate-N (ppm)			
Crude Fiber				<b>QUALITATIVE</b>			
Lignin	5.3	2.0	2.1 - 3.1	pH (s.u.)	3.7		
NDF Digestibility (24hr)				Total VFA (% DM)	5.88		3 - 8
NDF Digestibility (30hr)	49.9	18.3	44.4 - 56.3	Lactic Acid (% DM)	4.39		2 - 5
NDF Digestibility (48hr)	66.5	24.4	49.2 - 74.8	Lactic Acid as % of Total VFA (% DM)	75		70 - 100
NDF Digestibility (120hr)				Acetic Acid (% DM)	1.07		1 - 3
NDF Digestibility (240hr)	76.0	27.9		Butyric Acid (% DM)	0.05		0.001 - 0.1
uNDF (24hr)	50.7	18.6		Propionic Acid (% DM)	0.37		0.0001 - 0.1
uNDF (30hr)	50.1	18.4		<b>ENERGY and INDEX CALCULATIONS</b>			
uNDF (120hr)				TDN (%DM)	74.4		66.1 - 70.5
uNDF (240hr)	24.0	8.8		Net Energy Lactation (mcals/lb)	0.809		0.65 - 0.74
<b>CARBOHYDRATES</b>				Net Energy Maintenance (mcals/lb)	0.803		0.69 - 0.75
	<b>%Starch</b>	<b>%NFC</b>	<b>%DM</b>	Net Energy Gain (mcals/lb)	0.520		0.42 - 0.47
Silage Acids (% DM)	12.0	5.9		Estimated Net Energy (T/cwt)	66.8		
Ethanol Soluble CHO (Sugar)	1.5	0.7	0.001 - 3	NDF Digestion Rate (Kd, %HR, Van Amburgh, Lign*2.4)	2.3		
Water Soluble CHO (Sugar)	2.4	1.2	1 - 3.3	NDF Digestion Rate (Kd, %HR, Van Amburgh, iNDF)	2.9		
Starch	72.6	35.7		Starch Digestion Rate (Kd, %HR, Mertens)	37.4		
Soluble Fiber (% DM)	13.1	6.4		Relative Feed Value (RFV)			
Starch Digestibility (7hr)	92.7			Relative Feed Quality (RFQ)			
Crude Fat		2.6	2.9 - 3.9	Milk per Ton (lbs/ton)	3700		
				Non Fiber Carbohydrates (% DM)	49.2		
				Non Structural Carbohydrates (% DM)	36.9		
				CNCPS/CPM Lignin Factor	3.7		