

Client:
 Triple R Farms
 18 Midway Rd.
 Bethel, PA 19507

Grower:
 Triple R Farm

Report No: 19-011-0244
 Customer No: 14940
 Date Printed: 01/14/2019
 Date Received: 01/11/2019
 Date Sampled:
 PO:

Lab Number: 20975
 Sample Type: Mixed Hay

Sample ID: 3rd Cut Orchard Grass

NIR ANALYSIS RESULTS				Range	MINERALS			Range
Moisture (%)			13.4	11.1 - 18.3	Ash (% DM)			
Dry Matter (%)			86.6	67.7 - 90.4	Calcium (%)			0.46
PROTEINS		%CP	%DM		Phosphorus (%)			0.49
Crude Protein			16.5	15.9 - 22	Magnesium (%)			0.28
Soluble Protein		21.5	3.5		Potassium (%)			3.86
Ammonia					Sulfur (%)			0.32
ADF Protein (ADICP)		3.9	0.6	0.69 - 1	Sodium			
NDF Protein (NDICP)					Chloride (ppm)			
Rumen Degradable Protein					Iron (ppm)			328
Rumen Undegradable Protein					Manganese (ppm)			84.20
FIBER		%NDF	%DM		Zinc (ppm)			31.90
ADF		60.1	37.8	29 - 37.7	Copper (ppm)			12.80
NDF			62.9	45 - 55.9	Aluminum			
NDFom					Boron			
Crude Fiber					Molybdenum			
Lignin					Nitrate-N (ppm)			
NDF Digestibility (24hr)					QUALITATIVE			
NDF Digestibility (30hr)					pH (s.u.)			
NDF Digestibility (48hr)					Total VFA (% DM)			
NDF Digestibility (120hr)					Lactic Acid (% DM)			
NDF Digestibility (240hr)					Lactic Acid as % of Total VFA			
uNDF (24hr)					Acetic Acid			
uNDF (30hr)					Butyric Acid (% DM)			
uNDF (120hr)					Propionic Acid (% DM)			
uNDF (240hr)					ENERGY and INDEX CALCULATIONS			
CARBOHYDRATES		%Starch	%NFC	%DM	TDN (%DM) (%DM)	59.5		62 - 64.5
Silage Acids					Net Energy Lactation (mcal/lb) (mcal/lb)	0.607		0.56 - 0.62
Ethanol Soluble CHO (Sugar)					Net Energy Maintenance (mcal/lb) (mcal/lb)	0.586		0.63 - 0.66
Water Soluble CHO (Sugar)					Net Energy Gain (mcal/lb) (mcal/lb)	0.327		0.36 - 0.4
Starch					Estimated Net Energy (T/cwt) (%DM)	50.1		
Soluble Fiber					Metabolizable Energy (mcal/lb)	0.976		
Starch Digestibility (7hr)					NDF Digestion Rate (Kd,%HR, Van Amburgh, Lign*2.4)			
Crude Fat					NDF Digestion Rate (Kd, %HR, Van Amburgh, iNDF)			
					Starch Digestion Rate (Kd, %HR, Mertens)			
					Relative Feed Value (RFV) (%DM)	88		95 - 200
					Relative Feed Quality (RFQ)			
					Milk per Ton			
					Non Fiber Carbohydrates			
					Non Structural Carbohydrates			
					CNCPS/CPM Lignin Factor			