



DAIRYLAND
Laboratories, Inc.

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Sample Date: 2023-06-22
Sample No.: 001-2306-1059662

To: Ryan Heinen
N130 W294 Bryn Drive
Waukesha, WI 53188

Account No.: 11854 (0)
Sampled By: Ryan Heinen
Sampled For: GWENYN HILL FARM

Product: pasture 18 2nd grazing

Test Mode: N3
Feed Type: Hay - Grass
Sub Type: Pasture

Moisture 75.41%
Dry Matter 24.59%

*Mixed grass hay statistics provided for comparison.

		<u>Dry</u>	<u>90% Range*</u>
		<u>Basis</u>	
Crude Protein	%DM	22.17	4.95 - 16.5
AD-ICP	%CP	4.88	5.83 - 23.4
ND-ICP w/SS	%CP	8.71	
Protein Sol.	%CP	30.00	8.61 - 48.9
ADF	%DM	31.52	31.8 - 50.2
aNDF	%DM	41.74	48.2 - 72.7
aNDFom	%DM	40.04	43.0 - 68.9
Lignin	%NDFom	9.49	
Lignin (Sulfuric Acid)	%DM	3.80	3.94 - 9.40
NDFD12	%NDFom	54.30	21.4 - 45.1
NDFD 30	%NDFom	72.60	36.2 - 65.5
NDFD 120	%NDFom	78.27	49.4 - 81.3
NDFD240	%NDFom	78.85	52.4 - 80.6
uNDFom12	%DM	18.30	24.8 - 48.5
uNDFom30	%DM	10.97	14.7 - 40.9
uNDFom120	%DM	8.70	8.46 - 32.8
uNDFom240	%DM	8.47	10.3 - 30.4
Sugar (ESC)	%DM	9.93	2.16 - 10.4
Sugar (WSC)	%DM	11.93	3.29 - 12.9
Starch	%DM	2.61	0.25 - 7.32
Fat (EE)	%DM	3.94	1.58 - 3.71
TFA (fat)	%DM	1.88	0.49 - 2.17
16:0 Palmitic	%TFA	16.49	18.1 - 36.8
18:0 Stearic	%TFA	2.13	3.37 - 10.8
18:1 Oleic	%TFA	4.26	4.24 - 26.6
18:2 Linoleic	%TFA	17.55	3.64 - 26.4
18:3 Linolenic	%TFA	57.98	8.75 - 59.7
Ash	%DM	10.59	6.12 - 13.0
Calcium	%DM	1.27	0.25 - 1.15
Phosphorus	%DM	0.36	0.11 - 0.35
Magnesium	%DM	0.32	0.12 - 0.33
Potassium	%DM	2.74	0.69 - 3.03
Sulfur	%DM	0.29	0.07 - 0.25
Chloride	%DM	0.62	0.07 - 0.89

Calculations

NFC	%DM	26.25		
NSC	%DM	14.54		
RFV		143.17		
RFQ		181.57		
NDF kd rate MIR_P1	%/hr	8.75		
Adjusted Crude Protein	%DM	22.17		
			ADF	OARDC
TDN	%DM	64.35	63.94	69.11
Nel 3x	Mcal/cwt	66.29	65.75	71.39
Neg	Mcal/cwt	38.23	43.39	49.53
Nem	Mcal/cwt	64.75	70.50	77.42
Milk per ton	lbs/ton			3501