DAIRYLAND
Laboratories, Inc.

Dairyland Laboratories, Inc.
919 Lincoln Ave.
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Report Date: 8/27/2021
Sample No.: 003-2108-396672
Reference No.: t310

To: Pacific Ag
6290 200th Ave N
Georgetown, MN 56546

Account No.: 8283 (0)
Sampled By: Pacific Ag
Sampled For: PACIFIC AG

Product: Lot 8 Rye Grass

Test Mode: N9
Feed Type: Hay - Grass
Sub Type: Ryegrass - perennial

Moisture	12.08%
Dry Matter	87.92%

Ryegrass statistics provided for comparison.

		Dry Basis	Median	90% Range
Crude Protein	%DM	7.38	10.44	5.41 - 21.49
AD-ICP % of CP	%CP	9.35	10.22	4.09 - 21.87
ND-ICP w/SS	%CP	26.42		
Protein Sol.	%CP	43.50	34.30	17.00 - 49.38
ADF	%DM	41.21	40.28	28.10 - 51.09
aNDF	%DM	64.83	62.69	43.33 - 77.46
aNDFom	%DM	63.04	54.02	38.68 - 64.81
Lignin	%NDFom	8.60		
NDFD12	%NDFom	19.48		
NDFD 24	%NDFom	32.88	59.36	39.26 - 70.72
NDFD 30	%NDFom	36.14	62.00	46.32 - 76.94
NDFD240	%NDFom	53.76	74.23	59.60 - 87.20
uNDFom12	%DM	50.76		
uNDFom24	%DM	42.31	15.46	12.26 - 29.07
uNDFom30	%DM	40.26	15.94	8.52 - 31.38
uNDFom240	%DM	29.15	17.24	5.77 - 24.36
Sugar (ESC)	%DM	6.82	6.61	1.99 - 11.09
Sugar (WSC)	%DM	8.96	9.05	3.17 - 13.97
Starch	%DM	5.16	2.88	0.39 - 11.25
Fat (EE)	%DM	2.33	2.59	1.75 - 5.30
TFA (fat)	%DM	0.79	1.39	0.77 - 2.77
16:0 Palmitic	%TFA	26.58		
18:0 Stearic	%TFA	8.86		
18:1 Oleic	%TFA	10.13		
18:2 Linoleic	%TFA	13.92		
18:3 Linolenic	%TFA	39.24		
Ash	%DM	8.32	10.36	6.85 - 13.12
Calcium	%DM	0.48	0.44	0.07 - 0.83
Phosphorus	%DM	0.20	0.27	0.16 - 0.44
Magnesium	%DM	0.19	0.18	0.11 - 0.33
Potassium	%DM	1.71	2.12	0.99 - 3.56
Sulfur	%DM	0.25	0.16	0.07 - 0.36

Calculations

NFC	%DM	21.42
NSC	%DM	14.12
RFV		81.46

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RFQ		84.68
NDF kd rate MIR_P1	%/hr	3.90
Adjusted Crude Protein	%DM	7.38

		ADF	OARDC	MLK 2013
TDN	%DM	56.80	55.76	42.75
Nel 3x	Mcal/cwt	57.88	56.64	51.67
Neg	Mcal/cwt	23.88	26.54	7.99
Nem	Mcal/cwt	49.05	51.94	32.14
Milk per ton	lb/ton DM			1844

Billing Information

Sampled By: Pacific Ag
Sampled For: PACIFIC AG

Product: Lot 8 Rye Grass

Reference: 0515401
Date: 8/27/2021

Sample No.: 003-2108-396672

$29.50 N9-NIR COMPLETE

$29.50 Total Invoice