Dairyland Laboratories, Inc.
919 Lincoln Ave.
Sauk Rapids, MN 56379
Telephone: 320-240-1737
Fax: 320-240-1838
Email: info@dairylandlabs.com

Report Date: 8/27/2021
Sample No.: 003-2108-396671
Reference No.: t309

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

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

Product: Lot 1 Rye Grass

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

Moisture	11.38%
Dry Matter	88.62%

Ryegrass statistics provided for comparison.

		Dry Basis	Median	90% Range
Crude Protein	%DM	7.35	10.44	5.41 - 21.49
AD-ICP % of CP	%CP	9.66	10.22	4.09 - 21.87
ND-ICP w/SS	%CP	24.22		
Protein Sol.	%CP	37.41	34.30	17.00 - 49.38
ADF	%DM	45.42	40.28	28.10 - 51.09
aNDF	%DM	71.91	62.69	43.33 - 77.46
aNDFom	%DM	69.99	54.02	38.68 - 64.81
Lignin	%NDFom	8.62		
NDFD12	%NDFom	22.60		
NDFD 24	%NDFom	37.35	59.36	39.26 - 70.72
NDFD 30	%NDFom	40.83	62.00	46.32 - 76.94
NDFD240	%NDFom	58.67	74.23	59.60 - 87.20
uNDFom12	%DM	54.17		
uNDFom24	%DM	43.85	15.46	12.26 - 29.07
uNDFom30	%DM	41.41	15.94	8.52 - 31.38
uNDFom240	%DM	28.93	17.24	5.77 - 24.36
Sugar (ESC)	%DM	5.63	6.61	1.99 - 11.09
Sugar (WSC)	%DM	6.85	9.05	3.17 - 13.97
Starch	%DM	4.52	2.88	0.39 - 11.25
Fat (EE)	%DM	1.79	2.59	1.75 - 5.30
TFA (fat)	%DM	0.46	1.39	0.77 - 2.77
16:0 Palmitic	%TFA	34.78		
18:0 Stearic	%TFA	10.87		
18:1 Oleic	%TFA	13.04		
18:2 Linoleic	%TFA	15.22		
18:3 Linolenic	%TFA	26.09		
Ash	%DM	7.28	10.36	6.85 - 13.12
Calcium	%DM	0.40	0.44	0.07 - 0.83
Phosphorus	%DM	0.18	0.27	0.16 - 0.44
Magnesium	%DM	0.18	0.18	0.11 - 0.33
Potassium	%DM	1.21	2.12	0.99 - 3.56
Sulfur	%DM	0.22	0.16	0.07 - 0.36

Calculations

NFC	%DM	15.70
NSC	%DM	11.37
RFV		69.29

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Test Mode: N9
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Sub Type: Ryegrass - perennial

RFQ		77.98
NDF kd rate MIR_P1	%/hr	4.17
Adjusted Crude Protein	%DM	7.35

		ADF	OARDC	MLK 2013
TDN	%DM	53.52	53.32	41.81
Nel 3x	Mcal/cwt	54.22	53.92	49.13
Neg	Mcal/cwt	20.98	23.14	6.52
Nem	Mcal/cwt	45.93	48.25	30.60
Milk per ton	lb/ton DM			1737

Billing Information

Sampled By: Pacific Ag
Sampled For: PACIFIC AG

Reference: 0515400
Date: 8/27/2021

Product: Lot 1 Rye Grass

Sample No.: 003-2108-396671

$29.50 N9-NIR COMPLETE

$29.50 Total Invoice