



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

Report Date: 11/29/2021
 Sample No.: 003-2111-525423
 Reference No.: u5

To: Steffes Auctioneers
 24400 MN Hwy 22 South
 Litchfield, MN 55355

Account No.: 953 (0)
 Sampled By: Steffes Auctioneers
 Sampled For: KYLE WALLER

Product: 3002 grass

Test Mode: N8
 Feed Type: Hay - Grass
 Sub Type: Mixed

Moisture 11.80%
 Dry Matter 88.20%

Mixed grass hay statistics provided for comparison.

		<u>Dry Basis</u>	<u>Median</u>	<u>90% Range</u>
Crude Protein	%DM	8.04	9.38	4.95 - 16.48
AD-ICP	%DM	1.29	1.15	0.62 - 1.79
ND-ICP w/SS	%DM	4.01	3.31	1.29 - 4.68
Protein Sol.	%CP	24.63	26.07	8.61 - 48.90
ADF	%DM	42.25	40.44	31.75 - 50.23
aNDF	%DM	63.73	60.92	48.19 - 72.71
aNDFom	%DM	61.30	57.38	43.04 - 68.85
Lignin (Sulfuric Acid)	%DM	5.46	6.52	3.94 - 9.40
Lignin	%NDFom	8.91		
NDFD 30	%NDFom	43.83	49.20	36.20 - 65.52
NDFD240	%NDFom	62.81	66.50	52.42 - 80.59
uNDFom30	%DM	34.43	28.34	14.70 - 40.90
uNDFom240	%DM	22.80	19.99	10.26 - 30.38
Starch	%DM	1.55	1.81	0.25 - 7.32
Fat (EE)	%DM	2.89	2.57	1.58 - 3.71
TFA (fat)	%DM	0.87	1.19	0.49 - 2.17
Ash	%DM	8.87	9.35	6.12 - 13.03
Calcium	%DM	0.51	0.61	0.25 - 1.15
Phosphorus	%DM	0.20	0.22	0.11 - 0.35
Magnesium	%DM	0.19	0.20	0.12 - 0.33
Potassium	%DM	1.24	1.82	0.69 - 3.03
Sulfur	%DM	0.10	0.14	0.07 - 0.25
Sugar (ESC)	%DM	5.66	6.34	2.16 - 10.37
Sugar (WSC)	%DM	7.11	8.25	3.29 - 12.93

Calculations

Adjusted Crude Protein	%DM	7.26
NFC	%DM	23.93
NSC	%DM	8.66
RFV		81.60
RFQ		99.55
NDF kd rate Van Amb	%/hr	2.53
NDF kd rate MIR_P1	%/hr	4.06



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

Report Date: 11/29/2021
Sample No.: 003-2111-525423
Reference No.: u5

To: Steffes Auctioneers
 24400 MN Hwy 22 South
 Litchfield, MN 55355

Account No.: 953 (0)
Sampled By: Steffes Auctioneers
Sampled For: KYLE WALLER

Product: 3002 grass

Test Mode: N8
Feed Type: Hay - Grass
Sub Type: Mixed

		<u>ADF</u>	<u>OARDC</u>	<u>MLK 2013</u>
TDN	%DM	55.99	55.75	49.12
Nel 3x	Mcal/cwt	56.97	56.63	57.34
Neg	Mcal/cwt	24.54	26.55	17.68
Nem	Mcal/cwt	49.77	51.94	42.41
Milk per ton	lb/ton DM			2340