

Lot 1

ACCOUNT # 9384 (5)
 SAMPLED BY: Shelby Steele

SD 57451

SAMPLED FOR: JARRETT JONES JJONES

(1A - N7)

Component	Unit	Value	Median	90% Range
Moisture	%	14.80%		
Dry Matter	%	85.20%		
Alfalfa hay statistics provided for comparison.				
		Dry Basis	Median	90% Range
Crude Protein	%DM	21.26%	20.20	15.38 - 23.97
CP	%DM	37.20%	32.35	25.50 - 41.78
NDP	%DM	43.85%	40.02	31.89 - 51.54
NDP	%DM	41.77%	37.38	29.26 - 48.46
Acid Detergent Fiber (ADF)	%DM	8.56%	7.42	5.84 - 9.64
Cellulose	%NDF	20.49%		
NDF	%NDF	45.39%	51.00	41.46 - 61.86
Starch	%DM	22.81%	19.65	12.95 - 27.75
Cellulose	%DM	1.45%	1.47	1.08 - 2.13
Cellulose	%DM	2.99%	2.89	1.63 - 4.06
Cellulose	%CP	44.26%	37.11	27.47 - 47.14
Cellulose	%DM	1.59%	1.88	0.28 - 3.74
Cellulose	%DM	2.03%	2.41	1.77 - 3.35
Total Sulfhy Acid (TSA)	%DM	0.96%	1.29	0.81 - 2.33
ASH	%DM	11.65%	11.16	9.15 - 13.82
Calcium	%DM	1.51%	1.54	1.19 - 1.84
Phosphorus	%DM	0.33%	0.31	0.23 - 0.39
Selenium	%DM	0.35%	0.32	0.25 - 0.41
Potassium	%DM	2.85%	2.62	1.83 - 3.36
Sulfur	%DM	0.24%	0.25	0.17 - 0.33
Sugar (WSC)	%DM	4.29%	6.03	2.71 - 9.16
Sugar (WSC)	%DM	5.79%	7.14	3.32 - 10.19
Adjusted Crude Protein	%	21.26%		
NFC	%	26.35%		
RFV		127.27		

	ADF	OADFC
NOB 1x	-----	-----
NOB 3x	%DM 59.92	54.89
NOG	Mcal/cwt 61.35	55.67
NOH	Mcal/cwt 34.51	31.21
	Mcal/cwt 60.63	57.01

Lot 102

ACCOUNT # 9384 (5)

SAMPLED BY: Shelby Steele

SD 57451

SAMPLED FOR: JARRETT JONES JJONES

Lot 2

Alfalfa hay statistics provided for comparison

(1A - N7)

DM	14.80%	
CP	85.20%	Alfalfa hay statistics provided for comparison

		Dry Basis	Median	90% Range
DM	21.26%	20.20	15.38 - 23.97	
CP	37.20%	32.35	25.50 - 41.78	
NDP	43.85%	40.02	31.89 - 51.84	
NDP	41.77%	37.38	29.26 - 48.46	
Acid Detergent Fiber (ADF)	8.56%	7.42	5.84 - 9.64	
Neutral Detergent Fiber (NDF)	20.49%			
NDF	45.39%	51.00	41.46 - 61.86	
Cellulose	22.81%	19.65	12.95 - 27.75	
Lignin	1.45%	1.47	1.08 - 2.13	
Cellulose	2.99%	2.89	1.63 - 4.06	
Starch	44.26%	37.11	27.47 - 47.14	
Cellulose	1.59%	1.88	0.28 - 3.74	
Cellulose	2.03%	2.41	1.77 - 3.35	
Organic Acids (OA)	0.96%	1.29	0.61 - 2.33	
Ash	14.65%	11.16	9.15 - 13.82	
Cellulose	1.51%	1.54	1.19 - 1.84	
Phosphoric	0.93%	0.31	0.23 - 0.39	
Potassium	0.35%	0.32	0.25 - 0.41	
Potassium	2.85%	2.62	1.83 - 3.36	
Sulfur	0.24%	0.25	0.17 - 0.33	
Sugar (LSc)	4.29%	6.03	2.71 - 9.16	
Sugar (HSc)	5.79%	7.14	3.32 - 10.19	

Adjusted Crude Protein	21.26%
NEE	26.35%
RFV	127.27

	ADF	OARDC
DM	---	---
DM	59.92	54.89
Mcal/cwt	61.35	55.67
Mcal/cwt	64.51	61.21
Mcal/cwt	60.63	57.61

FEED AND FORAGE REPORT

Lot 3

DAIRYLAND LABORATORIES, INC.
St. Cloud, MN 56302
Telephone 320-240-1737

Report date: 2/ 5/2020
Sample number: 003-2002-005882

TO: Steffes Auctioneers
24400 MN Hwy 22 South

ACCOUNT # 953 (0)
SAMPLED BY: Steffes Auctioneers

Litchfield , MN 55355

SAMPLED FOR: STEFFES AUCTIONEERS

PRODUCT: 7124 (1A - N9)

Moisture % 15.88%
Dry Matter % 84.12%

Alfalfa hay statistics
provided for comparison.

		Dry Basis	Median	90% Range
Crude Protein	%DM	21.07%	20.20	15.38 - 23.97
ADF	%DM	32.37%	32.35	25.50 - 41.78
aNDF	%DM	40.88%	40.02	31.89 - 51.84
aNDFom	%DM	39.42%	37.38	29.26 - 48.46
Lignin (Sulfuric Acid)	%DM	7.60%	7.42	5.84 - 9.64
Lignin	%NDF	19.28%		
NDFD 30	%NDF	41.20%	39.57	31.30 - 48.12
NDFD 240	%NDF	46.70%	51.00	41.46 - 61.86
uNDFom30	%DM	23.18%	22.24	16.48 - 29.48
uNDFom240	%DM	21.01%	19.65	12.95 - 27.75
AD-ICP	%DM	1.33%	1.47	1.08 - 2.13
ND-ICP w/ SS	%DM	3.10%	2.89	1.63 - 4.06
Protein Sol.	%CP	36.40%	37.11	27.47 - 47.14
Starch	%DM	2.07%	1.88	0.28 - 3.74
Fat (EE)	%DM	1.86%	2.41	1.77 - 3.35
Total Fatty Acid (TFA)	%DM	1.08%	1.29	0.81 - 2.33
Ash	%DM	11.15%	11.16	9.15 - 13.82
Calcium	%DM	1.44%	1.54	1.19 - 1.84
Phosphorus	%DM	0.37%	0.31	0.23 - 0.39
Magnesium	%DM	0.33%	0.32	0.25 - 0.41
Potassium	%DM	3.10%	2.62	1.83 - 3.36
Sulfur	%DM	0.24%	0.25	0.17 - 0.33
Sugar (ESC)	%DM	4.34%	6.03	2.71 - 9.16
Sugar (WSC)	%DM	7.14%	7.14	3.32 - 10.19

Adjusted Crude Protein % 21.07%
NFC % 29.38%
RFV 145.13
RFQ 136.94
NDF kd rate Van Amb %/hr 3.93%

		ADF	OARDC	MLK13
TDN 1x	%DM	63.68	57.63	59.77
Nel 3x	Mcal/cwt	65.54	58.72	60.49
Neg	Mcal/cwt	35.75	34.78	37.56
Nem	Mcal/cwt	62.00	60.93	64.01
Milk per ton	lb/ton DM			2638

Lot 3

FEED AND FORAGE REPORT

Lot 4

DAIRYLAND LABORATORIES, INC.
St. Cloud, MN 56302
Telephone 320-240-1737

Report date: 2/ 5/2020
Sample number: 003-2002-005874

TO: Steffes Auctioneers
24400 MN Hwy 22 South

ACCOUNT # 953 (0)
SAMPLED BY: Steffes Auctioneers

Litchfield , MN 55355

SAMPLED FOR: STEFFES AUCTIONEERS

PRODUCT: 4618

(1A - N9)

Moisture % 18.35%
Dry Matter % 81.65%

Alfalfa hay statistics
provided for comparison.

		Dry Basis	Median	90% Range
Crude Protein	%DM	18.46%	20.20	15.38 - 23.97
ADF	%DM	44.28%	32.35	25.50 - 41.78
aNDF	%DM	55.15%	40.02	31.89 - 51.84
aNDFom	%DM	51.32%	37.38	29.26 - 48.46
Lignin (Sulfuric Acid)	%DM	9.18%	7.42	5.84 - 9.64
Lignin	%NDF	17.89%		
NDFD 30	%NDF	43.71%	39.57	31.30 - 48.12
NDFD 240	%NDF	49.06%	51.00	41.46 - 61.86
uNDFom30	%DM	28.89%	22.24	16.48 - 29.48
uNDFom240	%DM	26.14%	19.65	12.95 - 27.75
AD-ICP	%DM	2.13%	1.47	1.08 - 2.13
ND-ICP w/ SS	%DM	3.95%	2.89	1.63 - 4.06
Protein Sol.	%CP	26.76%	37.11	27.47 - 47.14
Starch	%DM	1.68%	1.88	0.28 - 3.74
Fat (EE)	%DM	1.95%	2.41	1.77 - 3.35
Total Fatty Acid (TFA)	%DM	0.77%	1.29	0.81 - 2.33
Ash	%DM	12.91%	11.16	9.15 - 13.82
Calcium	%DM	1.48%	1.54	1.19 - 1.84
Phosphorus	%DM	0.35%	0.31	0.23 - 0.39
Magnesium	%DM	0.19%	0.32	0.25 - 0.41
Potassium	%DM	2.95%	2.62	1.83 - 3.36
Sulfur	%DM	0.24%	0.25	0.17 - 0.33
Sugar (ESC)	%DM	2.50%	6.03	2.71 - 9.16
Sugar (WSC)	%DM	3.30%	7.14	3.32 - 10.19

Adjusted Crude Protein % 18.01%
NFC % 19.49%
RFV 91.95
RFQ 89.47
NDF kd rate Van Amb %/hr 3.98%

		ADF	OARDC	MLK13
TDN 1x	%DM	54.41	48.90	53.13
Nel 3x	Mcal/cwt	55.21	49.00	50.15
Neg	Mcal/cwt	28.77	21.43	27.75
Nem	Mcal/cwt	54.35	46.42	53.25
Milk per ton	lb/ton DM			1994

Lot 4

1222 Shelby Street
 50100 Sugar Hill, GA

Analytical No. 3554-12
 Sample No. Shelby Street

11/02/14

Sample No. 11/02/14

11/02/14

11/02/14
 11/02/14
 11/02/14

Results

Wet Matter 24.00%
 Dry Matter 76.00%

All analytical results provided for comparison

		DM Basis	Median	90% Range
Crude Fiber	%DM	22.26	20.20	15.85 - 23.97
Acid Detergent Fiber	%DM	1.74	1.47	1.08 - 2.13
Neutral Detergent Fiber	%DM	3.76	2.89	1.63 - 4.96
Cellulose	%CP	38.10	37.15	27.37 - 46.94
ADF	%DM	24.97	22.35	25.50 - 41.73
hADF	%DM	21.69	20.02	31.89 - 51.34
lADF	%DM	39.06	37.08	29.26 - 48.46
UHM (Soluble ADF)	%DM	8.20	7.42	5.84 - 9.64
UHM	%NDM	20.99		
NDM 22.0	%NDM	47.29	51.00	41.46 - 61.86
NDM 20.0	%DM	20.59	19.65	12.95 - 27.75
Sand	%DM	3.12	1.88	10.28 - 3.74
Fat (EE)	%DM	2.06	2.41	1.77 - 3.35
TFA (a)	%DM	1.00	1.29	0.81 - 2.33
16:0 (a)	%TFA	88.00	30.56	23.58 - 41.67
18:0 Stearic	%TFA	6.00	6.06	4.26 - 8.70
18:1 Oleic	%TFA	6.00	5.83	3.42 - 11.54
18:2 Linoleic	%TFA	17.00	17.87	12.50 - 22.73
18:3 Linolenic	%TFA	37.00	39.05	20.00 - 47.41
Ash	%DM	12.28	11.16	9.15 - 13.32
Calcium	%DM	1.56	1.54	1.19 - 1.84
Phosphorus	%DM	0.35	0.31	0.23 - 0.39
Magnesium	%DM	0.35	0.32	0.25 - 0.41
Potassium	%DM	3.09	2.62	1.33 - 3.36
Sulfur	%DM	0.25	0.25	0.17 - 0.33
Sugar (ESC)	%DM	4.50	5.03	2.71 - 9.16
Sugar (MSC)	%DM	6.88	7.12	3.32 - 10.13

Calculations

Adjusted Crude Protein %DM 22.26
 NFE %DM 28.26
 FEV 137.66



5
 5

ACCOUNT # 9384 (5)
 SAMPLED BY: Shelby Steele

Lot 6

SD 57451 SAMPLED FOR: JARRELL JONES

354 Quince (1 - N7)

Moisture 22.67%
 Dry Matter 77.33%
 Mixed Hay Standards provided for comparison

Dry Basis Moisture 93% Range

Crude Protein	SDM	20.75%	19.89	19.73	20.91
ADF	SDM	39.04%	39.66	35.73	40.51
NDF	SDM	48.66%	48.17	32.31	57.53
NDFom	SDM	44.85%	39.27	29.93	54.13
Lignin (Sulfuric Acid)	SDM	9.12%	7.24	5.40	10.95
Lignin	SDM	20.35%			
NDISD 240	SDM	50.14%	51.76	47.35	54.69
UNDISD 240	SDM	22.36%	19.33	12.23	27.23
AD-TCP	SDM	2.03%	1.43	1.03	2.39
ND-TCP w/ SS	SDM	4.89%	2.95	1.47	6.24
Protein Sol	SCP	33.55%	36.25	35.07	34.05
Starch	SDM	3.00%	2.13	0.23	3.75
Fat (EE)	SDM	2.03%	2.53	1.31	3.23
Total Water Acid (TWA)	SDM	0.83%	1.03	0.30	1.46
Ash	SDM	12.93%	10.63	3.63	13.73
Calcium	SDM	1.49%	1.17	0.93	1.51
Phosphorus	SDM	0.35%	0.33	0.27	0.38
Magnesium	SDM	10.38%	6.33	1.23	17.20
Potassium	SDM	2.69%	2.53	1.73	3.13
Sulfur	SDM	0.22%	0.23	0.13	0.33
Sugar (ESC)	SDM	2.83%	6.33	3.93	2.57
Sugar (WSC)	SDM	3.41%	9.23	3.37	13.33
Adjusted Crude Protein	3	20.75%			
NEC	3	20.47%			
RFV		143.35			

ADF 16.13%

TDN 1x	SDM	66.40	57.23		
Nel 3x	Metall/amt	59.73	57.23		
Nel	Metall/amt	31.51	25.23		
Nel	Metall/amt	57.63	57.23		

Lot 6

FEED AND FORAGE REPORT

Lot 7

DAIRYLAND LABORATORIES, INC.
 St. Cloud, MN 56302
 Telephone 320-240-1737

Report date: 2/ 5/2020
 Sample number: 003-2002-005875

TO: Steffes Auctioneers
 24400 MN Hwy 22 South

ACCOUNT # 953 (0)
 SAMPLED BY: Steffes Auctioneers

Litchfield , MN 55355

SAMPLED FOR: STEFFES AUCTIONEERS

PRODUCT: 7129 (1A - N9)

Moisture % 14.94%
 Dry Matter % 85.06%

Alfalfa hay statistics
 provided for comparison.

		Dry Basis	Median	90% Range
Crude Protein	%DM	20.22%	20.20	15.38 - 23.97
ADF	%DM	42.00%	32.35	25.50 - 41.78
aNDF	%DM	53.47%	40.02	31.89 - 51.84
aNDFom	%DM	49.03%	37.38	29.26 - 48.46
Lignin (Sulfuric Acid)	%DM	9.48%	7.42	5.84 - 9.64
Lignin	%NDF	19.34%		
NDFD 30	%NDF	41.57%	39.57	31.30 - 48.12
NDFD 240	%NDF	46.79%	51.00	41.46 - 61.86
uNDFom30	%DM	28.65%	22.24	16.48 - 29.48
uNDFom240	%DM	26.09%	19.65	12.95 - 27.75
AD-ICP	%DM	2.35%	1.47	1.08 - 2.13
ND-ICP w/ SS	%DM	4.71%	2.89	1.63 - 4.06
Protein Sol.	%CP	30.66%	37.11	27.47 - 47.14
Starch	%DM	0.76%	1.88	0.28 - 3.74
Fat (EE)	%DM	1.61%	2.41	1.77 - 3.35
Total Fatty Acid (TFA)	%DM	0.86%	1.29	0.81 - 2.33
Ash	%DM	10.86%	11.16	9.15 - 13.82
Calcium	%DM	1.39%	1.54	1.19 - 1.84
Phosphorus	%DM	0.33%	0.31	0.23 - 0.39
Magnesium	%DM	0.25%	0.32	0.25 - 0.41
Potassium	%DM	2.75%	2.62	1.83 - 3.36
Sulfur	%DM	0.24%	0.25	0.17 - 0.33
Sugar (ESC)	%DM	2.50%	6.03	2.71 - 9.16
Sugar (WSC)	%DM	3.76%	7.14	3.32 - 10.19

Adjusted Crude Protein % 19.70%
 NFC % 22.74%
 RFV 97.55
 RFQ 94.08
 NDF kd rate Van Amb %/hr 3.92%

		ADF	OARDC	MLK13
TDN 1x	%DM	56.18	51.53	55.70
Nel 3x	Mcal/cwt	57.18	51.93	54.68
Neg	Mcal/cwt	30.06	25.78	31.92
Nem	Mcal/cwt	55.75	51.11	57.80
Milk per ton	lb/ton DM			2267

Lot 7

FEED AND FORAGE REPORT

Lot 8

DAIRYLAND LABORATORIES, INC.
St. Cloud, MN 56302
Telephone 320-240-1737

Report date: 2/ 5/2020
Sample number: 003-2002-005873

TO: Steffes Auctioneers
24400 MN Hwy 22 South

ACCOUNT # 953 (0)
SAMPLED BY: Steffes Auctioneers

Litchfield , MN 55355

SAMPLED FOR: STEFFES AUCTIONEERS

PRODUCT: 7127 (1A - N9)

Moisture % 19.32%
Dry Matter % 80.68%

Alfalfa hay statistics
provided for comparison.

		Dry Basis	Median	90% Range
Crude Protein	%DM	19.94%	20.20	15.38 - 23.97
ADF	%DM	35.19%	32.35	25.50 - 41.78
aNDF	%DM	44.55%	40.02	31.89 - 51.84
aNDFom	%DM	42.84%	37.38	29.26 - 48.46
Lignin (Sulfuric Acid)	%DM	7.54%	7.42	5.84 - 9.64
Lignin	%NDF	17.60%		
NDFD 30	%NDF	44.96%	39.57	31.30 - 48.12
NDFD 240	%NDF	50.23%	51.00	41.46 - 61.86
uNDFom30	%DM	23.58%	22.24	16.48 - 29.48
uNDFom240	%DM	21.32%	19.65	12.95 - 27.75
AD-ICP	%DM	1.34%	1.47	1.08 - 2.13
ND-ICP w/ SS	%DM	3.13%	2.89	1.63 - 4.06
Protein Sol.	%CP	41.27%	37.11	27.47 - 47.14
Starch	%DM	1.88%	1.88	0.28 - 3.74
Fat (EE)	%DM	1.55%	2.41	1.77 - 3.35
Total Fatty Acid (TFA)	%DM	0.99%	1.29	0.81 - 2.33
Ash	%DM	10.89%	11.16	9.15 - 13.82
Calcium	%DM	1.31%	1.54	1.19 - 1.84
Phosphorus	%DM	0.37%	0.31	0.23 - 0.39
Magnesium	%DM	0.30%	0.32	0.25 - 0.41
Potassium	%DM	3.31%	2.62	1.83 - 3.36
Sulfur	%DM	0.21%	0.25	0.17 - 0.33
Sugar (ESC)	%DM	4.41%	6.03	2.71 - 9.16
Sugar (WSC)	%DM	7.13%	7.14	3.32 - 10.19

Adjusted Crude Protein % 19.94%
NFC % 27.47%
RFV 128.22
RFQ 130.12
NDF kd rate Van Amb %/hr 4.13%

		ADF	OARDC	MLK13
TDN 1x	%DM	61.49	56.63	59.75
Nel 3x	Mcal/cwt	63.10	57.61	58.92
Neg	Mcal/cwt	33.77	32.98	37.08
Nem	Mcal/cwt	59.82	58.95	63.47
Milk per ton	lb/ton DM			2571

Lot 8

ACCOUNT # 9384 (5)

Lot 9

SAMPLED BY: Shelby Steele

Shelby Steele
Wiley Sunset Dr

Wine, SD 57451

SAMPLED FOR: JARRETT JONES JUNIOR'S

PRODUCER: Woodcock SW alfalfa

(1A - N7)

Alfalfa hay standards provided for comparison.

Moisture 8 14.80%
Dry Matter 8 85.20%

		Dry Basis	Median	90% Range
Crude Protein	%DM	21.26%	20.20	15.89 - 25.97
ADF	%DM	37.20%	32.35	25.50 - 43.78
NDF	%DM	43.85%	40.02	31.69 - 51.34
NDFom	%DM	41.77%	37.38	29.26 - 48.46
Acid Detergent Fiber (ADF)	%DM	8.56%	7.42	5.84 - 9.68
NDF	%NDF	20.49%		
NDFom	%NDF	45.39%	51.00	41.48 - 57.88
NDFom	%DM	22.81%	19.65	12.95 - 27.55
AD-100	%DM	1.45%	1.47	0.00 - 2.15
AD-100	%DM	2.99%	2.89	1.68 - 4.00
Protein Sol.	%DM	44.26%	37.11	21.47 - 57.14
Starch	%DM	1.59%	1.88	0.28 - 3.28
Cellulose	%DM	2.03%	2.41	1.77 - 3.25
Total Carbohydrate (TCA)	%DM	0.96%	1.29	0.50 - 2.33
ASH	%DM	11.65%	11.16	9.15 - 13.62
Calcium	%DM	1.51%	1.54	1.19 - 1.89
Phosphorus	%DM	0.33%	0.31	0.23 - 0.38
Magnesium	%DM	0.35%	0.32	0.21 - 0.47
Potassium	%DM	2.88%	2.62	1.82 - 3.66
Sulfur	%DM	0.24%	0.25	0.17 - 0.33
Sugar (WSC)	%DM	4.29%	6.02	2.71 - 9.16
Sugar (WSC)	%DM	5.79%	7.14	3.69 - 10.79
Adjusted Crude Protein	%	21.26%		
NFC	%	25.35%		
RFV		127.27		

ADF QARDC

ADF	%DM	59.92	54.89
NDF	Mcal/cwt	61.35	55.67
NDF	Mcal/cwt	34.51	31.21
NDF	Mcal/cwt	60.63	57.01

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FEED AND FORAGE REPORT

Lot 10

DAIRYLAND LABORATORIES, INC.
 St. Cloud, MN 56302
 Telephone 320-240-1737

Report date: 2/ 5/2020
 Sample number: 003-2002-005872

TO: Steffes Auctioneers
 24400 MN Hwy 22 South

ACCOUNT # 953 (0)
 SAMPLED BY: Steffes Auctioneers

Litchfield , MN 55355

SAMPLED FOR: STEFFES AUCTIONEERS

PRODUCT: 7139 (1A - N9)

Moisture % 18.30%
 Dry Matter % 81.70%

Alfalfa hay statistics
 provided for comparison.

		Dry Basis	Median	90% Range
Crude Protein	%DM	17.08%	20.20	15.38 - 23.97
ADF	%DM	45.03%	32.35	25.50 - 41.78
aNDF	%DM	56.03%	40.02	31.89 - 51.84
aNDFom	%DM	51.96%	37.38	29.26 - 48.46
Lignin (Sulfuric Acid)	%DM	8.45%	7.42	5.84 - 9.64
Lignin	%NDF	16.26%		
NDFD 30	%NDF	47.00%	39.57	31.30 - 48.12
NDFD 240	%NDF	51.64%	51.00	41.46 - 61.86
uNDFom30	%DM	27.54%	22.24	16.48 - 29.48
uNDFom240	%DM	25.13%	19.65	12.95 - 27.75
AD-ICP	%DM	1.90%	1.47	1.08 - 2.13
ND-ICP w/ SS	%DM	3.38%	2.89	1.63 - 4.06
Protein Sol.	%CP	24.88%	37.11	27.47 - 47.14
Starch	%DM	2.16%	1.88	0.28 - 3.74
Fat (EE)	%DM	1.97%	2.41	1.77 - 3.35
Total Fatty Acid (TFA)	%DM	0.84%	1.29	0.81 - 2.33
Ash	%DM	11.85%	11.16	9.15 - 13.82
Calcium	%DM	1.51%	1.54	1.19 - 1.84
Phosphorus	%DM	0.34%	0.31	0.23 - 0.39
Magnesium	%DM	0.20%	0.32	0.25 - 0.41
Potassium	%DM	2.91%	2.62	1.83 - 3.36
Sulfur	%DM	0.22%	0.25	0.17 - 0.33
Sugar (ESC)	%DM	2.50%	6.03	2.71 - 9.16
Sugar (WSC)	%DM	4.06%	7.14	3.32 - 10.19

Adjusted Crude Protein % 16.77%
 NFC % 20.65%
 RFV 89.28
 RFQ 95.85
 NDF kd rate Van Amb %/hr 4.13%

		ADF	OARDC	MLK13
TDN 1x	%DM	53.82	50.74	55.41
Nel 3x	Mcal/cwt	54.56	51.05	51.59
Neg	Mcal/cwt	27.94	23.47	30.25
Nem	Mcal/cwt	53.45	48.61	55.97
Milk per ton	lb/ton DM			2116

Lot 10

FEED AND FORAGE REPORT

Lot 11

DAIRYLAND LABORATORIES, INC.
 St. Cloud, MN 56302
 Telephone 320-240-1737

Report date: 2/5/2020
 Sample number: 003-2002-005878

TO: Steffes Auctioneers
 24400 MN Hwy 22 South

ACCOUNT # 953 (0)
 SAMPLED BY: Steffes Auctioneers

Litchfield , MN 55355

SAMPLED FOR: STEFFES AUCTIONEERS

PRODUCT: 7143 (1A - N9)

Moisture % 15.62%
 Dry Matter % 84.38%

Alfalfa hay statistics
 provided for comparison.

		Dry Basis	Median	90% Range
Crude Protein	%DM	20.73%	20.20	15.38 - 23.97
ADF	%DM	34.77%	32.35	25.50 - 41.78
aNDF	%DM	43.46%	40.02	31.89 - 51.84
aNDFom	%DM	40.80%	37.38	29.26 - 48.46
Lignin (Sulfuric Acid)	%DM	7.84%	7.42	5.84 - 9.64
Lignin	%NDF	19.22%		
NDFD 30	%NDF	38.77%	39.57	31.30 - 48.12
NDFD 240	%NDF	43.90%	51.00	41.46 - 61.86
uNDFom30	%DM	24.98%	22.24	16.48 - 29.48
uNDFom240	%DM	22.89%	19.65	12.95 - 27.75
AD-ICP	%DM	1.43%	1.47	1.08 - 2.13
ND-ICP w/ SS	%DM	2.99%	2.89	1.63 - 4.06
Protein Sol.	%CP	41.78%	37.11	27.47 - 47.14
Starch	%DM	1.94%	1.88	0.28 - 3.74
Fat (EE)	%DM	1.94%	2.41	1.77 - 3.35
Total Fatty Acid (TFA)	%DM	1.18%	1.29	0.81 - 2.33
Ash	%DM	12.21%	11.16	9.15 - 13.82
Calcium	%DM	1.16%	1.54	1.19 - 1.84
Phosphorus	%DM	0.36%	0.31	0.23 - 0.39
Magnesium	%DM	0.29%	0.32	0.25 - 0.41
Potassium	%DM	3.41%	2.62	1.83 - 3.36
Sulfur	%DM	0.27%	0.25	0.17 - 0.33
Sugar (ESC)	%DM	4.19%	6.03	2.71 - 9.16
Sugar (WSC)	%DM	6.93%	7.14	3.32 - 10.19

Adjusted Crude Protein % 20.73%
 NFC % 27.07%
 RFV 132.24
 RFQ 118.24
 NDF kd rate Van Amb %/hr 3.54%

		ADF	OARDC	MLK13
TDN 1x	%DM	61.81	55.79	57.08
Nel 3x	Mcal/cwt	63.46	56.68	57.74
Neg	Mcal/cwt	34.50	32.19	33.97
Nem	Mcal/cwt	60.62	58.08	60.04
Milk per ton	lb/ton DM			2438

Lot 11

FEEED AND FORAGE REPORT

Lot 12

DAIRYLAND LABORATORIES, INC.
St. Cloud, MN 56302
Telephone 320-240-1737

Report date: 2/ 5/2020
Sample number: 003-2002-005877

TO: Steffes Auctioneers
24400 MN Hwy 22 South

ACCOUNT # 953 (0)
SAMPLED BY: Steffes Auctioneers

Litchfield , MN 55355

SAMPLED FOR: STEFFES AUCTIONEERS

PRODUCT: 7137 (1A - N9)

Moisture % 21.00%
Dry Matter % 79.00%

Alfalfa hay statistics
provided for comparison.

		Dry Basis	Median	90% Range
Crude Protein	%DM	19.90%	20.20	15.38 - 23.97
ADF	%DM	37.39%	32.35	25.50 - 41.78
aNDF	%DM	46.72%	40.02	31.89 - 51.84
aNDFom	%DM	44.21%	37.38	29.26 - 48.46
Lignin (Sulfuric Acid)	%DM	8.01%	7.42	5.84 - 9.64
Lignin	%NDF	18.12%		
NDFD 30	%NDF	43.00%	39.57	31.30 - 48.12
NDFD 240	%NDF	48.81%	51.00	41.46 - 61.86
uNDFom30	%DM	25.20%	22.24	16.48 - 29.48
uNDFom240	%DM	22.63%	19.65	12.95 - 27.75
AD-ICP	%DM	1.58%	1.47	1.08 - 2.13
ND-ICP w/ SS	%DM	3.37%	2.89	1.63 - 4.06
Protein Sol.	%CP	36.63%	37.11	27.47 - 47.14
Starch	%DM	2.06%	1.88	0.28 - 3.74
Fat (EE)	%DM	1.69%	2.41	1.77 - 3.35
Total Fatty Acid (TFA)	%DM	0.91%	1.29	0.81 - 2.33
Ash	%DM	11.85%	11.16	9.15 - 13.82
Calcium	%DM	1.43%	1.54	1.19 - 1.84
Phosphorus	%DM	0.35%	0.31	0.23 - 0.39
Magnesium	%DM	0.30%	0.32	0.25 - 0.41
Potassium	%DM	3.38%	2.62	1.83 - 3.36
Sulfur	%DM	0.24%	0.25	0.17 - 0.33
Sugar (ESC)	%DM	2.97%	6.03	2.71 - 9.16
Sugar (WSC)	%DM	5.67%	7.14	3.32 - 10.19

Adjusted Crude Protein % 19.90%
NFC % 25.50%
RFV 119.08
RFQ 115.54
NDF kd rate Van Amb %/hr 3.93%

		ADF	OARDC	MLK13
TDN 1x	%DM	59.77	54.38	57.29
Nel 3x	Mcal/cwt	61.18	55.11	56.33
Neg	Mcal/cwt	32.81	29.86	33.89
Nem	Mcal/cwt	58.77	55.54	59.95
Milk per ton	lb/ton DM			2387

Lot 12

FEED AND FORAGE REPORT

Lot 13

DAIRYLAND LABORATORIES, INC.
St. Cloud, MN 56302
Telephone 320-240-1737

Report date: 2/ 5/2020
Sample number: 003-2002-005876

TO: Steffes Auctioneers
24400 MN Hwy 22 South

ACCOUNT # 953 (0)
SAMPLED BY: Steffes Auctioneers

Litchfield , MN 55355

SAMPLED FOR: STEFFES AUCTIONEERS

PRODUCT: 4606 (1A - N9)

Moisture % 20.86%
Dry Matter % 79.14%

Alfalfa hay statistics
provided for comparison.

		Dry Basis	Median	90% Range
Crude Protein	%DM	18.59%	20.20	15.38 - 23.97
ADF	%DM	44.22%	32.35	25.50 - 41.78
aNDF	%DM	55.51%	40.02	31.89 - 51.84
aNDFom	%DM	52.91%	37.38	29.26 - 48.46
Lignin (Sulfuric Acid)	%DM	9.34%	7.42	5.84 - 9.64
Lignin	%NDF	17.65%		
NDFD 30	%NDF	44.76%	39.57	31.30 - 48.12
NDFD 240	%NDF	50.41%	51.00	41.46 - 61.86
uNDFom30	%DM	29.23%	22.24	16.48 - 29.48
uNDFom240	%DM	26.24%	19.65	12.95 - 27.75
AD-ICP	%DM	2.00%	1.47	1.08 - 2.13
ND-ICP w/ SS	%DM	4.19%	2.89	1.63 - 4.06
Protein Sol.	%CP	28.24%	37.11	27.47 - 47.14
Starch	%DM	0.61%	1.88	0.28 - 3.74
Fat (EE)	%DM	1.47%	2.41	1.77 - 3.35
Total Fatty Acid (TFA)	%DM	0.62%	1.29	0.81 - 2.33
Ash	%DM	11.88%	11.16	9.15 - 13.82
Calcium	%DM	1.38%	1.54	1.19 - 1.84
Phosphorus	%DM	0.34%	0.31	0.23 - 0.39
Magnesium	%DM	0.25%	0.32	0.25 - 0.41
Potassium	%DM	2.96%	2.62	1.83 - 3.36
Sulfur	%DM	0.25%	0.25	0.17 - 0.33
Sugar (ESC)	%DM	2.50%	6.03	2.71 - 9.16
Sugar (WSC)	%DM	3.05%	7.14	3.32 - 10.19

Adjusted Crude Protein % 18.36%
NFC % 19.19%
RFV 91.17
RFQ 92.64
NDF kd rate Van Amb %/hr 4.08%

		ADF	OARDC	MLK13
TDN 1x	%DM	54.45	49.21	53.81
Nel 3x	Mcal/cwt	55.26	49.35	50.50
Neg	Mcal/cwt	28.67	21.98	28.71
Nem	Mcal/cwt	54.24	47.01	54.29
Milk per ton	lb/ton DM			2026

Lot 13/14
15

FEEED AND FORAGE REPORT

Lot 14

DAIRYLAND LABORATORIES, INC.
St. Cloud, MN 56302
Telephone 320-240-1737

Report date: 2/ 5/2020
Sample number: 003-2002-005876

TO: Steffes Auctioneers
24400 MN Hwy 22 South

ACCOUNT # 953 (0)
SAMPLED BY: Steffes Auctioneers

Litchfield , MN 55355

SAMPLED FOR: STEFFES AUCTIONEERS

PRODUCT: 4606

(1A - N9)

Moisture % 20.86%
Dry Matter % 79.14%

Alfalfa hay statistics
provided for comparison.

		Dry Basis	Median	90% Range
Crude Protein	%DM	18.59%	20.20	15.38 - 23.97
ADF	%DM	44.22%	32.35	25.50 - 41.78
aNDF	%DM	55.51%	40.02	31.89 - 51.84
aNDFom	%DM	52.91%	37.38	29.26 - 48.46
Lignin (Sulfuric Acid)	%DM	9.34%	7.42	5.84 - 9.64
Lignin	%NDF	17.65%		
NDFD 30	%NDF	44.76%	39.57	31.30 - 48.12
NDFD 240	%NDF	50.41%	51.00	41.46 - 61.86
uNDFom30	%DM	29.23%	22.24	16.48 - 29.48
uNDFom240	%DM	26.24%	19.65	12.95 - 27.75
AD-ICP	%DM	2.00%	1.47	1.08 - 2.13
ND-ICP w/ SS	%DM	4.19%	2.89	1.63 - 4.06
Protein Sol.	%CP	28.24%	37.11	27.47 - 47.14
Starch	%DM	0.61%	1.88	0.28 - 3.74
Fat (EE)	%DM	1.47%	2.41	1.77 - 3.35
Total Fatty Acid (TFA)	%DM	0.62%	1.29	0.81 - 2.33
Ash	%DM	11.88%	11.16	9.15 - 13.82
Calcium	%DM	1.38%	1.54	1.19 - 1.84
Phosphorus	%DM	0.34%	0.31	0.23 - 0.39
Magnesium	%DM	0.25%	0.32	0.25 - 0.41
Potassium	%DM	2.96%	2.62	1.83 - 3.36
Sulfur	%DM	0.25%	0.25	0.17 - 0.33
Sugar (ESC)	%DM	2.50%	6.03	2.71 - 9.16
Sugar (WSC)	%DM	3.05%	7.14	3.32 - 10.19

Adjusted Crude Protein % 18.36%
NFC % 19.19%
RFV 91.17
RFQ 92.64
NDF kd rate Van Amb %/hr 4.08%

		ADF	OARDC	MLK13
TDN 1x	%DM	54.45	49.21	53.81
Nel 3x	Mcal/cwt	55.26	49.35	50.50
Neg	Mcal/cwt	28.67	21.98	28.71
Nem	Mcal/cwt	54.24	47.01	54.29
Milk per ton	lb/ton DM			2026

Lot 13, 14
15

FEEED AND FORAGE REPORT

Lot 15

DAIRYLAND LABORATORIES, INC.
St. Cloud, MN 56302
Telephone 320-240-1737

Report date: 2/ 5/2020
Sample number: 003-2002-005876

TO: Steffes Auctioneers
24400 MN Hwy 22 South

ACCOUNT # 953 (0)
SAMPLED BY: Steffes Auctioneers

Litchfield , MN 55355

SAMPLED FOR: STEFFES AUCTIONEERS

PRODUCT: 4606 (1A - N9)

Moisture % 20.86%
Dry Matter % 79.14%

Alfalfa hay statistics
provided for comparison.

		Dry Basis	Median	90% Range
Crude Protein	%DM	18.59%	20.20	15.38 - 23.97
ADF	%DM	44.22%	32.35	25.50 - 41.78
aNDF	%DM	55.51%	40.02	31.89 - 51.84
aNDFom	%DM	52.91%	37.38	29.26 - 48.46
Lignin (Sulfuric Acid)	%DM	9.34%	7.42	5.84 - 9.64
Lignin	%NDF	17.65%		
NDFD 30	%NDF	44.76%	39.57	31.30 - 48.12
NDFD 240	%NDF	50.41%	51.00	41.46 - 61.86
uNDFom30	%DM	29.23%	22.24	16.48 - 29.48
uNDFom240	%DM	26.24%	19.65	12.95 - 27.75
AD-ICP	%DM	2.00%	1.47	1.08 - 2.13
ND-ICP w/ SS	%DM	4.19%	2.89	1.63 - 4.06
Protein Sol.	%CP	28.24%	37.11	27.47 - 47.14
Starch	%DM	0.61%	1.88	0.28 - 3.74
Fat (EE)	%DM	1.47%	2.41	1.77 - 3.35
Total Fatty Acid (TFA)	%DM	0.62%	1.29	0.81 - 2.33
Ash	%DM	11.88%	11.16	9.15 - 13.82
Calcium	%DM	1.38%	1.54	1.19 - 1.84
Phosphorus	%DM	0.34%	0.31	0.23 - 0.39
Magnesium	%DM	0.25%	0.32	0.25 - 0.41
Potassium	%DM	2.96%	2.62	1.83 - 3.36
Sulfur	%DM	0.25%	0.25	0.17 - 0.33
Sugar (ESC)	%DM	2.50%	6.03	2.71 - 9.16
Sugar (WSC)	%DM	3.05%	7.14	3.32 - 10.19

Adjusted Crude Protein % 18.36%
NFC % 19.19%
RFV 91.17
RFQ 92.64
NDF kd rate Van Amb %/hr 4.08%

		ADF	OARDC	MLK13
TDN 1x	%DM	54.45	49.21	53.81
Nel 3x	Mcal/cwt	55.26	49.35	50.50
Neg	Mcal/cwt	28.67	21.98	28.71
Nem	Mcal/cwt	54.24	47.01	54.29
Milk per ton	lb/ton DM			2026

Lot 13, 14, 15