



**To:** Riverview Hay  
7207 G24 Hwy  
Indianola, IA 50125

**Account No.:** 16169 (0)  
**Sampled By:** Riverview Hay  
**Sampled For:** RIVERVIEW HAY

**Product:** 202403001

**Test Mode:** N8  
**Feed Type:** Hay - Legume  
**Sub Type:** Alfalfa

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	54.67%		
Dry Matter	45.33%		
Crude Protein	%DM	18.22	15.4 - 24.0
AD-ICP	%CP	7.19	5.24 - 11.5
ND-ICP w/SS	%CP	18.50	
Protein Sol.	%CP	45.06	27.5 - 47.1
ADF	%DM	39.98	25.5 - 41.8
aNDF	%DM	48.02	31.9 - 51.8
aNDFom	%DM	46.76	29.3 - 48.5
Lignin	%NDFom	16.23	
Lignin (Sulfuric Acid)	%DM	7.59	5.84 - 9.64
NDFD 30	%NDFom	50.47	31.3 - 48.1
NDFD240	%NDFom	56.42	41.5 - 61.9
uNDFom30	%DM	23.16	16.5 - 29.5
uNDFom240	%DM	20.38	13.0 - 27.8
Sugar (ESC)	%DM	2.50	2.71 - 9.16
Sugar (WSC)	%DM	4.32	3.32 - 10.2
Starch	%DM	0.43	0.28 - 3.74
Fat (EE)	%DM	2.60	1.77 - 3.35
TFA (fat)	%DM	1.19	0.81 - 2.33
Ash	%DM	11.67	9.15 - 13.8
Calcium	%DM	1.10	1.19 - 1.84
Phosphorus	%DM	0.38	0.23 - 0.39
Magnesium	%DM	0.27	0.25 - 0.41
Potassium	%DM	3.64	1.83 - 3.36
Sulfur	%DM	0.25	0.17 - 0.33
Chloride	%DM	0.70	0.16 - 1.13

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		57.76	54.80	58.38
Nel 3x	Mcal/cwt	58.94	55.57	57.32
Neg	Mcal/cwt	31.70	29.83	34.64
Nem	Mcal/cwt	57.55	55.51	60.78
Milk per ton	lbs/ton			2515

\*Alfalfa hay statistics provided for comparison.

**Calculations**

NFC	%DM	24.53
NSC	%DM	4.75
RFV		111.94
RFQ		124.23
NDF kd rate MIR_P1	%/hr	7.63
Adjusted Crude Protein	%DM	18.22



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**Account No.:** 16169 (0)  
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**Product:** 202403008

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

Moisture	39.56%		
Dry Matter	60.44%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	18.07	13.7 - 23.9
AD-ICP	%CP	5.26	5.24 - 11.5
ND-ICP w/SS	%CP	18.76	
Protein Sol.	%CP	42.00	26.1 - 46.1
ADF	%DM	35.56	25.8 - 41.6
aNDF	%DM	45.73	32.3 - 55.6
aNDFom	%DM	44.07	29.9 - 53.5
Lignin	%NDFom	14.95	
Lignin (Sulfuric Acid)	%DM	6.59	5.44 - 9.38
NDFD 30	%NDFom	54.14	32.1 - 54.7
NDFD240	%NDFom	61.38	43.0 - 70.7
uNDFom30	%DM	20.21	16.4 - 29.7
uNDFom240	%DM	17.02	12.2 - 28.8
Sugar (ESC)	%DM	7.79	3.04 - 9.57
Sugar (WSC)	%DM	9.38	3.67 - 10.5
Starch	%DM	0.46	0.29 - 3.75
Fat (EE)	%DM	2.72	1.88 - 3.44
TFA (fat)	%DM	1.38	0.87 - 2.47
Ash	%DM	10.89	8.88 - 13.8
Calcium	%DM	0.98	0.93 - 1.81
Phosphorus	%DM	0.38	0.24 - 0.39
Magnesium	%DM	0.26	0.23 - 0.40
Potassium	%DM	3.63	1.76 - 3.37
Sulfur	%DM	0.23	0.16 - 0.33
Chloride	%DM	0.88	0.13 - 1.12

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		61.20	58.37	62.16
Nel 3x	Mcal/cwt	62.78	59.55	62.29
Neg	Mcal/cwt	31.95	34.65	39.43
Nem	Mcal/cwt	57.82	60.79	66.08
Milk per ton	lbs/ton			2841

\*Mixed hay statistics provided for comparison.

**Calculations**

NFC	%DM	27.98
NSC	%DM	9.84
RFV		124.30
RFQ		143.57
NDF kd rate MIR_P1	%/hr	7.25
Adjusted Crude Protein	%DM	18.07



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**Account No.:** 16169 (0)  
**Sampled By:** Riverview Hay  
**Sampled For:** RIVERVIEW HAY

**Product:** 202403003

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

Moisture	45.11%		
Dry Matter	54.89%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	18.15	13.7 - 23.9
AD-ICP	%CP	6.73	5.24 - 11.5
ND-ICP w/SS	%CP	21.43	
Protein Sol.	%CP	32.95	26.1 - 46.1
ADF	%DM	39.87	25.8 - 41.6
aNDF	%DM	54.19	32.3 - 55.6
aNDFom	%DM	52.10	29.9 - 53.5
Lignin	%NDFom	13.40	
Lignin (Sulfuric Acid)	%DM	6.98	5.44 - 9.38
NDFD 30	%NDFom	51.44	32.1 - 54.7
NDFD240	%NDFom	62.30	43.0 - 70.7
uNDFom30	%DM	25.30	16.4 - 29.7
uNDFom240	%DM	19.64	12.2 - 28.8
Sugar (ESC)	%DM	2.50	3.04 - 9.57
Sugar (WSC)	%DM	3.70	3.67 - 10.5
Starch	%DM	1.47	0.29 - 3.75
Fat (EE)	%DM	2.50	1.88 - 3.44
TFA (fat)	%DM	1.22	0.87 - 2.47
Ash	%DM	11.33	8.88 - 13.8
Calcium	%DM	0.89	0.93 - 1.81
Phosphorus	%DM	0.38	0.24 - 0.39
Magnesium	%DM	0.24	0.23 - 0.40
Potassium	%DM	4.32	1.76 - 3.37
Sulfur	%DM	0.26	0.16 - 0.33
Chloride	%DM	0.77	0.13 - 1.12

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		57.84	54.49	56.91
Nel 3x	Mcal/cwt	59.03	55.23	56.01
Neg	Mcal/cwt	28.28	29.43	32.70
Nem	Mcal/cwt	53.82	55.07	58.65
Milk per ton	lbs/ton			2414

\*Mixed hay statistics provided for comparison.

**Calculations**

NFC	%DM	20.09
NSC	%DM	5.17
RFV		99.09
RFQ		108.93
NDF kd rate MIR_P1	%/hr	5.92
Adjusted Crude Protein	%DM	18.15



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**Account No.:** 16169 (0)  
**Sampled By:** Riverview Hay  
**Sampled For:** RIVERVIEW HAY

**Product:** 202403002

**Test Mode:** N8  
**Feed Type:** Hay - Legume  
**Sub Type:** Alfalfa

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	38.85%		
Dry Matter	61.15%		
Crude Protein	%DM	17.58	15.4 - 24.0
AD-ICP	%CP	5.30	5.24 - 11.5
ND-ICP w/SS	%CP	16.95	
Protein Sol.	%CP	39.19	27.5 - 47.1
ADF	%DM	39.12	25.5 - 41.8
aNDF	%DM	46.94	31.9 - 51.8
aNDFom	%DM	46.06	29.3 - 48.5
Lignin	%NDFom	15.72	
Lignin (Sulfuric Acid)	%DM	7.24	5.84 - 9.64
NDFD 30	%NDFom	45.96	31.3 - 48.1
NDFD240	%NDFom	51.50	41.5 - 61.9
uNDFom30	%DM	24.89	16.5 - 29.5
uNDFom240	%DM	22.34	13.0 - 27.8
Sugar (ESC)	%DM	5.98	2.71 - 9.16
Sugar (WSC)	%DM	8.22	3.32 - 10.2
Starch	%DM	0.40	0.28 - 3.74
Fat (EE)	%DM	2.53	1.77 - 3.35
TFA (fat)	%DM	1.34	0.81 - 2.33
Ash	%DM	10.60	9.15 - 13.8
Calcium	%DM	1.01	1.19 - 1.84
Phosphorus	%DM	0.39	0.23 - 0.39
Magnesium	%DM	0.26	0.25 - 0.41
Potassium	%DM	3.51	1.83 - 3.36
Sulfur	%DM	0.24	0.17 - 0.33
Chloride	%DM	0.88	0.16 - 1.13

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		58.43	56.99	57.85
Nel 3x	Mcal/cwt	59.69	58.01	58.40
Neg	Mcal/cwt	31.96	32.64	33.71
Nem	Mcal/cwt	57.84	58.58	59.75
Milk per ton	lbs/ton			2547

\*Alfalfa hay statistics provided for comparison.

**Calculations**

NFC	%DM	26.40
NSC	%DM	8.62
RFV		115.95
RFQ		120.59
NDF kd rate MIR_P1	%/hr	7.56
Adjusted Crude Protein	%DM	17.58



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**Account No.:** 16169 (0)  
**Sampled By:** Riverview Hay  
**Sampled For:** RIVERVIEW HAY

**Product:** 202403012

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

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	38.09%		
Dry Matter	61.91%		
Crude Protein	%DM	17.63	13.7 - 23.9
AD-ICP	%CP	5.17	5.24 - 11.5
ND-ICP w/SS	%CP	18.60	
Protein Sol.	%CP	44.87	26.1 - 46.1
ADF	%DM	35.97	25.8 - 41.6
aNDF	%DM	45.64	32.3 - 55.6
aNDFom	%DM	43.89	29.9 - 53.5
Lignin	%NDFom	15.49	
Lignin (Sulfuric Acid)	%DM	6.80	5.44 - 9.38
NDFD 30	%NDFom	52.95	32.1 - 54.7
NDFD240	%NDFom	60.40	43.0 - 70.7
uNDFom30	%DM	20.65	16.4 - 29.7
uNDFom240	%DM	17.38	12.2 - 28.8
Sugar (ESC)	%DM	7.65	3.04 - 9.57
Sugar (WSC)	%DM	9.19	3.67 - 10.5
Starch	%DM	0.43	0.29 - 3.75
Fat (EE)	%DM	2.55	1.88 - 3.44
TFA (fat)	%DM	1.30	0.87 - 2.47
Ash	%DM	10.38	8.88 - 13.8
Calcium	%DM	0.94	0.93 - 1.81
Phosphorus	%DM	0.38	0.24 - 0.39
Magnesium	%DM	0.25	0.23 - 0.40
Potassium	%DM	3.60	1.76 - 3.37
Sulfur	%DM	0.21	0.16 - 0.33
Chloride	%DM	0.83	0.13 - 1.12

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		60.88	58.56	62.13
Nel 3x	Mcal/cwt	62.42	59.76	62.70
Neg	Mcal/cwt	31.83	34.72	39.22
Nem	Mcal/cwt	57.70	60.87	65.85
Milk per ton	lbs/ton			2858

\*Mixed hay statistics provided for comparison.

**Calculations**

NFC	%DM	29.08
NSC	%DM	9.62
RFV		124.12
RFQ		141.88
NDF kd rate MIR_P1	%/hr	7.09
Adjusted Crude Protein	%DM	17.63



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**Account No.:** 16169 (0)  
**Sampled By:** Riverview Hay  
**Sampled For:** RIVERVIEW HAY

**Product:** 202403010

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

		<u>Dry Basis</u>	<u>90% Range*</u>
Moisture	38.82%		
Dry Matter	61.18%		
Crude Protein	%DM	17.94	13.7 - 23.9
AD-ICP	%CP	5.47	5.24 - 11.5
ND-ICP w/SS	%CP	17.11	
Protein Sol.	%CP	43.20	26.1 - 46.1
ADF	%DM	36.69	25.8 - 41.6
aNDF	%DM	45.10	32.3 - 55.6
aNDFom	%DM	42.81	29.9 - 53.5
Lignin	%NDFom	15.44	
Lignin (Sulfuric Acid)	%DM	6.61	5.44 - 9.38
NDFD 30	%NDFom	52.93	32.1 - 54.7
NDFD240	%NDFom	62.16	43.0 - 70.7
uNDFom30	%DM	20.15	16.4 - 29.7
uNDFom240	%DM	16.20	12.2 - 28.8
Sugar (ESC)	%DM	7.71	3.04 - 9.57
Sugar (WSC)	%DM	9.44	3.67 - 10.5
Starch	%DM	0.71	0.29 - 3.75
Fat (EE)	%DM	2.82	1.88 - 3.44
TFA (fat)	%DM	1.40	0.87 - 2.47
Ash	%DM	11.31	8.88 - 13.8
Calcium	%DM	0.98	0.93 - 1.81
Phosphorus	%DM	0.36	0.24 - 0.39
Magnesium	%DM	0.26	0.23 - 0.40
Potassium	%DM	3.17	1.76 - 3.37
Sulfur	%DM	0.22	0.16 - 0.33
Chloride	%DM	0.87	0.13 - 1.12

		<u>ADF</u>	<u>OARDC</u>	<u>MLK 2013</u>
TDN		60.32	58.23	61.71
Nel 3x	Mcal/cwt	61.80	59.39	62.18
Neg	Mcal/cwt	32.18	34.40	38.82
Nem	Mcal/cwt	58.08	60.51	65.40
Milk per ton	lbs/ton			2824

\*Mixed hay statistics provided for comparison.

**Calculations**

NFC	%DM	28.61
NSC	%DM	10.15
RFV		124.38
RFQ		141.82
NDF kd rate MIR_P1	%/hr	6.47
Adjusted Crude Protein	%DM	17.94



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**Account No.:** 16169 (0)  
**Sampled By:** Riverview Hay  
**Sampled For:** RIVERVIEW HAY

**Product:** 202403006

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

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	40.08%		
Dry Matter	59.92%		
Crude Protein	%DM	17.36	13.7 - 23.9
AD-ICP	%CP	6.63	5.24 - 11.5
ND-ICP w/SS	%CP	18.66	
Protein Sol.	%CP	36.87	26.1 - 46.1
ADF	%DM	38.13	25.8 - 41.6
aNDF	%DM	49.30	32.3 - 55.6
aNDFom	%DM	47.63	29.9 - 53.5
Lignin	%NDFom	15.52	
Lignin (Sulfuric Acid)	%DM	7.39	5.44 - 9.38
NDFD 30	%NDFom	51.75	32.1 - 54.7
NDFD240	%NDFom	60.21	43.0 - 70.7
uNDFom30	%DM	22.98	16.4 - 29.7
uNDFom240	%DM	18.95	12.2 - 28.8
Sugar (ESC)	%DM	5.63	3.04 - 9.57
Sugar (WSC)	%DM	7.42	3.67 - 10.5
Starch	%DM	1.23	0.29 - 3.75
Fat (EE)	%DM	2.57	1.88 - 3.44
TFA (fat)	%DM	1.29	0.87 - 2.47
Ash	%DM	10.94	8.88 - 13.8
Calcium	%DM	1.10	0.93 - 1.81
Phosphorus	%DM	0.34	0.24 - 0.39
Magnesium	%DM	0.27	0.23 - 0.40
Potassium	%DM	3.64	1.76 - 3.37
Sulfur	%DM	0.22	0.16 - 0.33
Chloride	%DM	0.69	0.13 - 1.12

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		59.20	55.72	59.35
Nel 3x	Mcal/cwt	60.55	56.60	59.28
Neg	Mcal/cwt	30.14	30.76	35.55
Nem	Mcal/cwt	55.84	56.52	61.78
Milk per ton	lbs/ton			2627

\*Mixed hay statistics provided for comparison.

**Calculations**

NFC	%DM	25.02
NSC	%DM	8.65
RFV		111.52
RFQ		124.99
NDF kd rate MIR_P1	%/hr	6.65
Adjusted Crude Protein	%DM	17.36



**To:** Riverview Hay  
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**Account No.:** 16169 (0)  
**Sampled By:** Riverview Hay  
**Sampled For:** RIVERVIEW HAY

**Product:** 202403005

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

Moisture	41.29%		
Dry Matter	58.71%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	18.28	13.7 - 23.9
AD-ICP	%CP	5.58	5.24 - 11.5
ND-ICP w/SS	%CP	18.33	
Protein Sol.	%CP	45.62	26.1 - 46.1
ADF	%DM	36.59	25.8 - 41.6
aNDF	%DM	45.85	32.3 - 55.6
aNDFom	%DM	44.49	29.9 - 53.5
Lignin	%NDFom	15.82	
Lignin (Sulfuric Acid)	%DM	7.04	5.44 - 9.38
NDFD 30	%NDFom	52.03	32.1 - 54.7
NDFD240	%NDFom	60.08	43.0 - 70.7
uNDFom30	%DM	21.34	16.4 - 29.7
uNDFom240	%DM	17.76	12.2 - 28.8
Sugar (ESC)	%DM	7.66	3.04 - 9.57
Sugar (WSC)	%DM	9.25	3.67 - 10.5
Starch	%DM	0.25	0.29 - 3.75
Fat (EE)	%DM	2.59	1.88 - 3.44
TFA (fat)	%DM	1.34	0.87 - 2.47
Ash	%DM	10.38	8.88 - 13.8
Calcium	%DM	0.93	0.93 - 1.81
Phosphorus	%DM	0.38	0.24 - 0.39
Magnesium	%DM	0.23	0.23 - 0.40
Potassium	%DM	3.60	1.76 - 3.37
Sulfur	%DM	0.23	0.16 - 0.33
Chloride	%DM	0.86	0.13 - 1.12

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		60.40	58.02	61.53
Nel 3x	Mcal/cwt	61.89	59.16	62.22
Neg	Mcal/cwt	31.97	34.24	38.72
Nem	Mcal/cwt	57.84	60.34	65.29
Milk per ton	lbs/ton			2819

\*Mixed hay statistics provided for comparison.

**Calculations**

NFC	%DM	27.86
NSC	%DM	9.50
RFV		122.67
RFQ		139.38
NDF kd rate MIR_P1	%/hr	6.81
Adjusted Crude Protein	%DM	18.28