



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

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

**Product:** 202403002  
**Lot Name:**

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

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	18.75%		
Dry Matter	81.25%		
Crude Protein	%DM	21.77	15.4 - 24.0
AD-ICP	%CP	3.91	5.24 - 11.5
ND-ICP w/SS	%CP	14.29	
Protein Sol.	%CP	40.61	27.5 - 47.1
ADF	%DM	34.22	25.5 - 41.8
aNDF	%DM	40.98	31.9 - 51.8
aNDFom	%DM	39.60	29.3 - 48.5
Lignin	%NDFom	17.05	
Lignin (Sulfuric Acid)	%DM	6.75	5.84 - 9.64
NDFD 30	%NDFom	44.65	31.3 - 48.1
NDFD240	%NDFom	50.08	41.5 - 61.9
uNDFom30	%DM	21.92	16.5 - 29.5
uNDFom240	%DM	19.77	13.0 - 27.8
Sugar (ESC)	%DM	6.29	2.71 - 9.16
Sugar (WSC)	%DM	8.09	3.32 - 10.2
Starch	%DM	0.41	0.28 - 3.74
Fat (EE)	%DM	2.68	1.77 - 3.35
TFA (fat)	%DM	1.35	0.81 - 2.33
Ash	%DM	9.91	9.15 - 13.8
Calcium	%DM	1.06	1.19 - 1.84
Phosphorus	%DM	0.43	0.23 - 0.39
Magnesium	%DM	0.29	0.25 - 0.41
Potassium	%DM	3.34	1.83 - 3.36
Sulfur	%DM	0.29	0.17 - 0.33
Chloride	%DM	0.78	0.16 - 1.13

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		62.24	60.67	61.30
Nel 3x	Mcal/cwt	63.94	62.11	63.52
Neg	Mcal/cwt	35.93	39.22	39.79
Nem	Mcal/cwt	62.20	65.85	66.48
Milk per ton	lbs/ton			2865

\*Alfalfa hay statistics provided for comparison.

**Calculations**

NFC	%DM	29.48
NSC	%DM	8.50
RFV		141.37
RFQ		143.47
NDF kd rate MIR_P1	%/hr	7.53
Adjusted Crude Protein	%DM	21.77



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**Product:** 202403001  
**Lot Name:**

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

			<b>Dry Basis</b>	<b>90% Range*</b>
Moisture		21.25%		
Dry Matter		78.75%		
Crude Protein	%DM	21.65	15.4 - 24.0	
AD-ICP	%CP	3.19	5.24 - 11.5	
ND-ICP w/SS	%CP	14.32		
Protein Sol.	%CP	41.62	27.5 - 47.1	
ADF	%DM	33.27	25.5 - 41.8	
aNDF	%DM	39.02	31.9 - 51.8	
aNDFom	%DM	38.05	29.3 - 48.5	
Lignin	%NDFom	16.27		
Lignin (Sulfuric Acid)	%DM	6.19	5.84 - 9.64	
NDFD 30	%NDFom	43.60	31.3 - 48.1	
NDFD240	%NDFom	49.75	41.5 - 61.9	
uNDFom30	%DM	21.46	16.5 - 29.5	
uNDFom240	%DM	19.12	13.0 - 27.8	
Sugar (ESC)	%DM	6.55	2.71 - 9.16	
Sugar (WSC)	%DM	8.66	3.32 - 10.2	
Starch	%DM	0.49	0.28 - 3.74	
Fat (EE)	%DM	2.81	1.77 - 3.35	
TFA (fat)	%DM	1.43	0.81 - 2.33	
Ash	%DM	9.42	9.15 - 13.8	
Calcium	%DM	1.07	1.19 - 1.84	
Phosphorus	%DM	0.43	0.23 - 0.39	
Magnesium	%DM	0.31	0.25 - 0.41	
Potassium	%DM	3.55	1.83 - 3.36	
Sulfur	%DM	0.30	0.17 - 0.33	
Chloride	%DM	0.72	0.16 - 1.13	

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		62.98	62.64	62.34
Nel 3x	Mcal/cwt	64.76	64.30	65.25
Neg	Mcal/cwt	36.76	41.73	41.06
Nem	Mcal/cwt	63.11	68.64	67.89
Milk per ton	lbs/ton			2968

\*Alfalfa hay statistics provided for comparison.

**Calculations**

NFC	%DM	31.55
NSC	%DM	9.15
RFV		150.37
RFQ		152.44
NDF kd rate MIR_P1	%/hr	7.09
Adjusted Crude Protein	%DM	21.65



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**Product:** 202403006  
**Lot Name:**

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

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	19.54%		
Dry Matter	80.46%		
Crude Protein	%DM	22.43	15.4 - 24.0
AD-ICP	%CP	4.24	5.24 - 11.5
ND-ICP w/SS	%CP	14.62	
Protein Sol.	%CP	39.86	27.5 - 47.1
ADF	%DM	33.00	25.5 - 41.8
aNDF	%DM	38.84	31.9 - 51.8
aNDFom	%DM	37.32	29.3 - 48.5
Lignin	%NDFom	17.55	
Lignin (Sulfuric Acid)	%DM	6.55	5.84 - 9.64
NDFD 30	%NDFom	44.45	31.3 - 48.1
NDFD240	%NDFom	49.36	41.5 - 61.9
uNDFom30	%DM	20.73	16.5 - 29.5
uNDFom240	%DM	18.90	13.0 - 27.8
Sugar (ESC)	%DM	6.54	2.71 - 9.16
Sugar (WSC)	%DM	8.81	3.32 - 10.2
Starch	%DM	0.57	0.28 - 3.74
Fat (EE)	%DM	2.90	1.77 - 3.35
TFA (fat)	%DM	1.42	0.81 - 2.33
Ash	%DM	10.44	9.15 - 13.8
Calcium	%DM	1.10	1.19 - 1.84
Phosphorus	%DM	0.42	0.23 - 0.39
Magnesium	%DM	0.30	0.25 - 0.41
Potassium	%DM	3.11	1.83 - 3.36
Sulfur	%DM	0.32	0.17 - 0.33
Chloride	%DM	0.73	0.16 - 1.13

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		63.19	61.22	62.07
Nel 3x	Mcal/cwt	64.99	62.72	64.61
Neg	Mcal/cwt	37.09	40.14	41.02
Nem	Mcal/cwt	63.48	66.87	67.85
Milk per ton	lbs/ton			2934

\*Alfalfa hay statistics provided for comparison.

**Calculations**

NFC	%DM	30.67
NSC	%DM	9.38
RFV		151.36
RFQ		153.08
NDF kd rate MIR_P1	%/hr	7.83
Adjusted Crude Protein	%DM	22.43



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**Product:** 202403005  
**Lot Name:**

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

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	18.14%		
Dry Matter	81.86%		
Crude Protein	%DM	21.98	15.4 - 24.0
AD-ICP	%CP	3.96	5.24 - 11.5
ND-ICP w/SS	%CP	14.38	
Protein Sol.	%CP	39.95	27.5 - 47.1
ADF	%DM	34.68	25.5 - 41.8
aNDF	%DM	40.94	31.9 - 51.8
aNDFom	%DM	39.65	29.3 - 48.5
Lignin	%NDFom	17.18	
Lignin (Sulfuric Acid)	%DM	6.81	5.84 - 9.64
NDFD 30	%NDFom	45.04	31.3 - 48.1
NDFD240	%NDFom	50.47	41.5 - 61.9
uNDFom30	%DM	21.79	16.5 - 29.5
uNDFom240	%DM	19.64	13.0 - 27.8
Sugar (ESC)	%DM	6.39	2.71 - 9.16
Sugar (WSC)	%DM	8.20	3.32 - 10.2
Starch	%DM	0.52	0.28 - 3.74
Fat (EE)	%DM	2.80	1.77 - 3.35
TFA (fat)	%DM	1.39	0.81 - 2.33
Ash	%DM	9.95	9.15 - 13.8
Calcium	%DM	1.18	1.19 - 1.84
Phosphorus	%DM	0.41	0.23 - 0.39
Magnesium	%DM	0.30	0.25 - 0.41
Potassium	%DM	3.22	1.83 - 3.36
Sulfur	%DM	0.29	0.17 - 0.33
Chloride	%DM	0.73	0.16 - 1.13

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		61.88	60.59	61.44
Nel 3x	Mcal/cwt	63.53	62.02	63.58
Neg	Mcal/cwt	36.02	39.20	40.05
Nem	Mcal/cwt	62.30	65.82	66.77
Milk per ton	lbs/ton			2873

\*Alfalfa hay statistics provided for comparison.

**Calculations**

NFC	%DM	29.19
NSC	%DM	8.72
RFV		140.55
RFQ		144.90
NDF kd rate MIR_P1	%/hr	7.56
Adjusted Crude Protein	%DM	21.98



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**Product:** 202403004  
**Lot Name:**

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

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	17.36%		
Dry Matter	82.64%		
Crude Protein	%DM	21.59	15.4 - 24.0
AD-ICP	%CP	4.36	5.24 - 11.5
ND-ICP w/SS	%CP	14.64	
Protein Sol.	%CP	38.91	27.5 - 47.1
ADF	%DM	34.42	25.5 - 41.8
aNDF	%DM	41.10	31.9 - 51.8
aNDFom	%DM	39.74	29.3 - 48.5
Lignin	%NDFom	17.51	
Lignin (Sulfuric Acid)	%DM	6.96	5.84 - 9.64
NDFD 30	%NDFom	43.26	31.3 - 48.1
NDFD240	%NDFom	48.79	41.5 - 61.9
uNDFom30	%DM	22.55	16.5 - 29.5
uNDFom240	%DM	20.35	13.0 - 27.8
Sugar (ESC)	%DM	6.15	2.71 - 9.16
Sugar (WSC)	%DM	8.24	3.32 - 10.2
Starch	%DM	0.95	0.28 - 3.74
Fat (EE)	%DM	2.68	1.77 - 3.35
TFA (fat)	%DM	1.34	0.81 - 2.33
Ash	%DM	9.53	9.15 - 13.8
Calcium	%DM	1.04	1.19 - 1.84
Phosphorus	%DM	0.40	0.23 - 0.39
Magnesium	%DM	0.29	0.25 - 0.41
Potassium	%DM	3.13	1.83 - 3.36
Sulfur	%DM	0.29	0.17 - 0.33
Chloride	%DM	0.70	0.16 - 1.13

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		62.09	60.64	61.11
Nel 3x	Mcal/cwt	63.77	62.08	63.74
Neg	Mcal/cwt	35.82	39.06	39.49
Nem	Mcal/cwt	62.08	65.67	66.14
Milk per ton	lbs/ton			2867

\*Alfalfa hay statistics provided for comparison.

**Calculations**

NFC	%DM	29.96
NSC	%DM	9.19
RFV		140.54
RFQ		141.03
NDF kd rate MIR_P1	%/hr	7.38
Adjusted Crude Protein	%DM	21.59



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**Lot Name:**

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

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	20.33%		
Dry Matter	79.67%		
Crude Protein	%DM	22.47	15.4 - 24.0
AD-ICP	%CP	3.70	5.24 - 11.5
ND-ICP w/SS	%CP	14.82	
Protein Sol.	%CP	40.41	27.5 - 47.1
ADF	%DM	32.42	25.5 - 41.8
aNDF	%DM	38.87	31.9 - 51.8
aNDFom	%DM	37.45	29.3 - 48.5
Lignin	%NDFom	16.53	
Lignin (Sulfuric Acid)	%DM	6.19	5.84 - 9.64
NDFD 30	%NDFom	46.41	31.3 - 48.1
NDFD240	%NDFom	51.86	41.5 - 61.9
uNDFom30	%DM	20.07	16.5 - 29.5
uNDFom240	%DM	18.03	13.0 - 27.8
Sugar (ESC)	%DM	6.24	2.71 - 9.16
Sugar (WSC)	%DM	8.06	3.32 - 10.2
Starch	%DM	0.33	0.28 - 3.74
Fat (EE)	%DM	2.84	1.77 - 3.35
TFA (fat)	%DM	1.41	0.81 - 2.33
Ash	%DM	10.41	9.15 - 13.8
Calcium	%DM	1.11	1.19 - 1.84
Phosphorus	%DM	0.42	0.23 - 0.39
Magnesium	%DM	0.33	0.25 - 0.41
Potassium	%DM	3.31	1.83 - 3.36
Sulfur	%DM	0.31	0.17 - 0.33
Chloride	%DM	0.69	0.16 - 1.13

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		63.64	61.78	62.71
Nel 3x	Mcal/cwt	65.49	63.35	64.86
Neg	Mcal/cwt	37.09	40.93	41.83
Nem	Mcal/cwt	63.49	67.74	68.76
Milk per ton	lbs/ton			2967

\*Alfalfa hay statistics provided for comparison.

**Calculations**

NFC	%DM	30.59
NSC	%DM	8.39
RFV		152.44
RFQ		157.42
NDF kd rate MIR_P1	%/hr	7.64
Adjusted Crude Protein	%DM	22.47