



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

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

**Product:** South West Trausch

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

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	17.26%		
Dry Matter	82.74%		
Crude Protein	%DM	16.97	13.7 - 23.9
AD-ICP	%CP	6.84	5.24 - 11.5
ND-ICP w/SS	%CP	20.39	
Protein Sol.	%CP	32.47	26.1 - 46.1
ADF	%DM	35.12	25.8 - 41.6
aNDF	%DM	49.31	32.3 - 55.6
aNDFom	%DM	48.06	29.9 - 53.5
Lignin	%NDFom	12.32	
Lignin (Sulfuric Acid)	%DM	5.92	5.44 - 9.38
NDFD 30	%NDFom	49.04	32.1 - 54.7
NDFD240	%NDFom	61.67	43.0 - 70.7
uNDFom30	%DM	24.49	16.4 - 29.7
uNDFom240	%DM	18.42	12.2 - 28.8
Sugar (ESC)	%DM	6.06	3.04 - 9.57
Sugar (WSC)	%DM	7.99	3.67 - 10.5
Starch	%DM	6.36	0.29 - 3.75
Fat (EE)	%DM	2.65	1.88 - 3.44
TFA (fat)	%DM	1.17	0.87 - 2.47
Ash	%DM	10.40	8.88 - 13.8
Calcium	%DM	0.82	0.93 - 1.81
Phosphorus	%DM	0.32	0.24 - 0.39
Magnesium	%DM	0.27	0.23 - 0.40
Potassium	%DM	2.39	1.76 - 3.37
Sulfur	%DM	0.25	0.16 - 0.33
Chloride	%DM	0.81	0.13 - 1.12

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN	%DM	61.54	57.99	58.45
Nel 3x	Mcal/cwt	63.16	59.13	59.17
Neg	Mcal/cwt	30.00	33.56	34.23
Nem	Mcal/cwt	55.70	59.60	60.32
Milk per ton	lbs/ton			2597

\*Mixed hay statistics provided for comparison.

**Calculations**

NFC	%DM	25.86
NSC	%DM	14.35
RFV		115.92
RFQ		119.65
NDF kd rate MIR_P1	%/hr	5.38
Adjusted Crude Protein	%DM	16.97



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7207 G24 Hwy  
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**Account No.:** 16169 (0)  
**Sampled By:** Riverview Hay  
**Sampled For:** RIVERVIEW HAY

**Product:** Hillside home

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

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	14.22%		
Dry Matter	85.78%		
Crude Protein	%DM	17.08	13.7 - 23.9
AD-ICP	%CP	7.32	5.24 - 11.5
ND-ICP w/SS	%CP	21.31	
Protein Sol.	%CP	36.77	26.1 - 46.1
ADF	%DM	36.83	25.8 - 41.6
aNDF	%DM	50.66	32.3 - 55.6
aNDFom	%DM	49.65	29.9 - 53.5
Lignin	%NDFom	12.69	
Lignin (Sulfuric Acid)	%DM	6.30	5.44 - 9.38
NDFD 30	%NDFom	48.02	32.1 - 54.7
NDFD240	%NDFom	61.33	43.0 - 70.7
uNDFom30	%DM	25.81	16.4 - 29.7
uNDFom240	%DM	19.20	12.2 - 28.8
Sugar (ESC)	%DM	5.31	3.04 - 9.57
Sugar (WSC)	%DM	7.01	3.67 - 10.5
Starch	%DM	4.98	0.29 - 3.75
Fat (EE)	%DM	2.68	1.88 - 3.44
TFA (fat)	%DM	1.17	0.87 - 2.47
Ash	%DM	10.34	8.88 - 13.8
Calcium	%DM	0.72	0.93 - 1.81
Phosphorus	%DM	0.31	0.24 - 0.39
Magnesium	%DM	0.28	0.23 - 0.40
Potassium	%DM	2.24	1.76 - 3.37
Sulfur	%DM	0.26	0.16 - 0.33
Chloride	%DM	0.88	0.13 - 1.12

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN	%DM	60.21	56.98	57.34
Nel 3x	Mcal/cwt	61.67	58.00	58.10
Neg	Mcal/cwt	29.45	32.24	32.82
Nem	Mcal/cwt	55.10	58.15	58.78
Milk per ton	lbs/ton			2519

\*Mixed hay statistics provided for comparison.

**Calculations**

NFC	%DM	24.40
NSC	%DM	11.99
RFV		110.62
RFQ		113.42
NDF kd rate MIR_P1	%/hr	5.18
Adjusted Crude Protein	%DM	17.08



**To:** Riverview Hay  
7207 G24 Hwy  
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**Account No.:** 16169 (0)  
**Sampled By:** Riverview Hay  
**Sampled For:** RIVERVIEW HAY

**Product:** NW Trauch

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

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	11.81%		
Dry Matter	88.19%		
Crude Protein	%DM	19.11	4.95 - 16.5
AD-ICP	%CP	6.86	5.83 - 23.4
ND-ICP w/SS	%CP	20.04	
Protein Sol.	%CP	29.46	8.61 - 48.9
ADF	%DM	34.56	31.8 - 50.2
aNDF	%DM	50.82	48.2 - 72.7
aNDFom	%DM	49.06	43.0 - 68.9
Lignin	%NDFom	10.05	
Lignin (Sulfuric Acid)	%DM	4.93	3.94 - 9.40
NDFD 30	%NDFom	54.71	36.2 - 65.5
NDFD240	%NDFom	67.37	52.4 - 80.6
uNDFom30	%DM	22.22	14.7 - 40.9
uNDFom240	%DM	16.01	10.3 - 30.4
Sugar (ESC)	%DM	5.00	2.16 - 10.4
Sugar (WSC)	%DM	6.67	3.29 - 12.9
Starch	%DM	6.02	0.25 - 7.32
Fat (EE)	%DM	2.86	1.58 - 3.71
TFA (fat)	%DM	1.27	0.49 - 2.17
Ash	%DM	10.23	6.12 - 13.0
Calcium	%DM	1.02	0.25 - 1.15
Phosphorus	%DM	0.31	0.11 - 0.35
Magnesium	%DM	0.31	0.12 - 0.33
Potassium	%DM	2.34	0.69 - 3.03
Sulfur	%DM	0.29	0.07 - 0.25
Chloride	%DM	0.67	0.07 - 0.89

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN	%DM	61.98	59.40	59.20
Nel 3x	Mcal/cwt	63.65	60.70	64.51
Neg	Mcal/cwt	33.48	36.24	36.06
Nem	Mcal/cwt	59.50	62.55	62.34
Milk per ton	lbs/ton			2912

\*Mixed grass hay statistics provided for comparison.

**Calculations**

NFC	%DM	23.16
NSC	%DM	12.69
RFV		113.39
RFQ		136.44
NDF kd rate MIR_P1	%/hr	5.67
Adjusted Crude Protein	%DM	19.11



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

**Product:** SE Trausch

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

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	17.75%		
Dry Matter	82.25%		
Crude Protein	%DM	15.01	4.95 - 16.5
AD-ICP	%CP	7.27	5.83 - 23.4
ND-ICP w/SS	%CP	21.72	
Protein Sol.	%CP	32.31	8.61 - 48.9
ADF	%DM	36.87	31.8 - 50.2
aNDF	%DM	55.25	48.2 - 72.7
aNDFom	%DM	53.99	43.0 - 68.9
Lignin	%NDFom	9.56	
Lignin (Sulfuric Acid)	%DM	5.16	3.94 - 9.40
NDFD 30	%NDFom	46.14	36.2 - 65.5
NDFD240	%NDFom	62.34	52.4 - 80.6
uNDFom30	%DM	29.08	14.7 - 40.9
uNDFom240	%DM	20.33	10.3 - 30.4
Sugar (ESC)	%DM	5.67	2.16 - 10.4
Sugar (WSC)	%DM	7.30	3.29 - 12.9
Starch	%DM	6.72	0.25 - 7.32
Fat (EE)	%DM	2.48	1.58 - 3.71
TFA (fat)	%DM	1.07	0.49 - 2.17
Ash	%DM	9.79	6.12 - 13.0
Calcium	%DM	0.77	0.25 - 1.15
Phosphorus	%DM	0.29	0.11 - 0.35
Magnesium	%DM	0.23	0.12 - 0.33
Potassium	%DM	2.42	0.69 - 3.03
Sulfur	%DM	0.23	0.07 - 0.25
Chloride	%DM	0.88	0.07 - 0.89

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN	%DM	60.18	57.78	52.96
Nel 3x	Mcal/cwt	61.64	58.89	60.31
Neg	Mcal/cwt	30.33	32.46	26.09
Nem	Mcal/cwt	56.05	58.38	51.45
Milk per ton	lbs/ton			2557

\*Mixed grass hay statistics provided for comparison.

**Calculations**

NFC	%DM	22.40
NSC	%DM	14.02
RFV		101.23
RFQ		114.76
NDF kd rate MIR_P1	%/hr	4.57
Adjusted Crude Protein	%DM	15.01



**To:** Riverview Hay  
7207 G24 Hwy  
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**Account No.:** 16169 (0)  
**Sampled By:** Riverview Hay  
**Sampled For:** RIVERVIEW HAY

**Product:** S of bins E of barn

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

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	13.90%		
Dry Matter	86.10%		
Crude Protein	%DM	16.75	4.95 - 16.5
AD-ICP	%CP	6.57	5.83 - 23.4
ND-ICP w/SS	%CP	21.13	
Protein Sol.	%CP	27.58	8.61 - 48.9
ADF	%DM	34.61	31.8 - 50.2
aNDF	%DM	52.08	48.2 - 72.7
aNDFom	%DM	50.62	43.0 - 68.9
Lignin	%NDFom	9.19	
Lignin (Sulfuric Acid)	%DM	4.65	3.94 - 9.40
NDFD 30	%NDFom	43.82	36.2 - 65.5
NDFD240	%NDFom	59.94	52.4 - 80.6
uNDFom30	%DM	28.44	14.7 - 40.9
uNDFom240	%DM	20.28	10.3 - 30.4
Sugar (ESC)	%DM	5.21	2.16 - 10.4
Sugar (WSC)	%DM	6.95	3.29 - 12.9
Starch	%DM	5.85	0.25 - 7.32
Fat (EE)	%DM	2.59	1.58 - 3.71
TFA (fat)	%DM	1.11	0.49 - 2.17
Ash	%DM	10.55	6.12 - 13.0
Calcium	%DM	0.85	0.25 - 1.15
Phosphorus	%DM	0.32	0.11 - 0.35
Magnesium	%DM	0.23	0.12 - 0.33
Potassium	%DM	3.20	0.69 - 3.03
Sulfur	%DM	0.27	0.07 - 0.25
Chloride	%DM	1.10	0.07 - 0.89

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN	%DM	61.94	58.97	53.18
Nel 3x	Mcal/cwt	63.60	60.22	60.95
Neg	Mcal/cwt	32.20	34.76	27.12
Nem	Mcal/cwt	58.10	60.91	52.57
Milk per ton	lbs/ton			2573

\*Mixed grass hay statistics provided for comparison.

**Calculations**

NFC	%DM	23.51
NSC	%DM	12.80
RFV		110.44
RFQ		116.54
NDF kd rate MIR_P1	%/hr	4.45
Adjusted Crude Protein	%DM	16.75



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

**Product:** NE Trausch

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

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	12.61%		
Dry Matter	87.39%		
Crude Protein	%DM	17.32	13.7 - 23.9
AD-ICP	%CP	6.47	5.24 - 11.5
ND-ICP w/SS	%CP	20.15	
Protein Sol.	%CP	27.89	26.1 - 46.1
ADF	%DM	36.13	25.8 - 41.6
aNDF	%DM	50.82	32.3 - 55.6
aNDFom	%DM	49.70	29.9 - 53.5
Lignin	%NDFom	11.91	
Lignin (Sulfuric Acid)	%DM	5.92	5.44 - 9.38
NDFD 30	%NDFom	45.15	32.1 - 54.7
NDFD240	%NDFom	59.76	43.0 - 70.7
uNDFom30	%DM	27.26	16.4 - 29.7
uNDFom240	%DM	20.00	12.2 - 28.8
Sugar (ESC)	%DM	5.35	3.04 - 9.57
Sugar (WSC)	%DM	6.99	3.67 - 10.5
Starch	%DM	5.72	0.29 - 3.75
Fat (EE)	%DM	2.67	1.88 - 3.44
TFA (fat)	%DM	1.15	0.87 - 2.47
Ash	%DM	10.26	8.88 - 13.8
Calcium	%DM	0.82	0.93 - 1.81
Phosphorus	%DM	0.32	0.24 - 0.39
Magnesium	%DM	0.26	0.23 - 0.40
Potassium	%DM	2.76	1.76 - 3.37
Sulfur	%DM	0.28	0.16 - 0.33
Chloride	%DM	0.83	0.13 - 1.12

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN	%DM	60.75	57.65	55.96
Nel 3x	Mcal/cwt	62.28	58.75	57.46
Neg	Mcal/cwt	29.45	33.29	31.10
Nem	Mcal/cwt	55.10	59.30	56.90
Milk per ton	lbs/ton			2452

\*Mixed hay statistics provided for comparison.

**Calculations**

NFC	%DM	24.06
NSC	%DM	12.71
RFV		111.14
RFQ		106.43
NDF kd rate MIR_P1	%/hr	4.78
Adjusted Crude Protein	%DM	17.32



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

**Product:** below house

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

		<b>Dry Basis</b>	<b>90% Range*</b>
Moisture	20.48%		
Dry Matter	79.52%		
Crude Protein	%DM	18.39	13.7 - 23.9
AD-ICP	%CP	6.91	5.24 - 11.5
ND-ICP w/SS	%CP	20.66	
Protein Sol.	%CP	32.41	26.1 - 46.1
ADF	%DM	34.32	25.8 - 41.6
aNDF	%DM	47.95	32.3 - 55.6
aNDFom	%DM	46.92	29.9 - 53.5
Lignin	%NDFom	12.68	
Lignin (Sulfuric Acid)	%DM	5.95	5.44 - 9.38
NDFD 30	%NDFom	46.65	32.1 - 54.7
NDFD240	%NDFom	61.25	43.0 - 70.7
uNDFom30	%DM	25.03	16.4 - 29.7
uNDFom240	%DM	18.18	12.2 - 28.8
Sugar (ESC)	%DM	4.76	3.04 - 9.57
Sugar (WSC)	%DM	6.63	3.67 - 10.5
Starch	%DM	5.99	0.29 - 3.75
Fat (EE)	%DM	2.61	1.88 - 3.44
TFA (fat)	%DM	1.17	0.87 - 2.47
Ash	%DM	10.21	8.88 - 13.8
Calcium	%DM	0.79	0.93 - 1.81
Phosphorus	%DM	0.32	0.24 - 0.39
Magnesium	%DM	0.30	0.23 - 0.40
Potassium	%DM	2.50	1.76 - 3.37
Sulfur	%DM	0.28	0.16 - 0.33
Chloride	%DM	0.80	0.13 - 1.12

		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN	%DM	62.16	58.50	58.27
Nel 3x	Mcal/cwt	63.85	59.69	59.89
Neg	Mcal/cwt	31.08	34.79	34.56
Nem	Mcal/cwt	56.87	60.95	60.69
Milk per ton	lbs/ton			2622

\*Mixed hay statistics provided for comparison.

**Calculations**

NFC	%DM	26.11
NSC	%DM	12.62
RFV		120.47
RFQ		119.42
NDF kd rate MIR_P1	%/hr	4.86
Adjusted Crude Protein	%DM	18.39