

Nutrilytical

B6, 3911 Brandon St SE
 Calgary, AB T2G 4A7

 |Sample Description |Farm|Code| Sample |
 |DAMP MMG HAY | |802 |30232450|

160374 BLACKWELL

Analysis Results

 |Sampled | Recvd |Printed |ST|CO|
 | | |08/21/24|08/21/24| | |

BLACKWELL HAY FARMS

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.26	2.79
ME, 1X	1.07	2.36
NEL, 3X	0.61	1.35
NEM, 3X	0.64	1.41
NEG, 3X	0.38	0.83

TDN1X, %	63	

Components	As Fed	DM
% Moisture	9.5	
% Dry Matter	90.5	
% Crude Protein	9.1	10.1
% Available Protein	8.6	9.5
% ADICP	.5	.6
% Adjusted Crude Protein	9.1	10.1
Soluble Protein % CP		28
Degradable Protein%CP		69
% NDICP	3.0	3.3
% ADF	34.8	38.5
% aNDF	59.7	66.0
% Lignin	3.8	4.2
% NFC	16.4	18.2
% Starch	.4	.5
% WSC (Water Sol. Carbs.)	10.9	12.1
% ESC (Simple Sugars)	9.9	10.9
% Crude Fat	2.3	2.5
% Ash	2.97	3.28
% TDN	57	63
NEL, Mcal/Lb	.48	.53
NEM, Mcal/Lb	.54	.59
NEG, Mcal/Lb	.30	.33
Relative Feed Value		83
% Calcium	.24	.27
% Phosphorus	.15	.17
% Magnesium	.08	.09
% Potassium	1.45	1.60
% Sulfur	.11	.12
% Chloride Ion	.29	.32
% Lysine	.36	.39
% Methionine	.13	.14
Horse DE, Mcal/Lb	.89	.99

Nutrilysical

B6, 3911 Brandon St SE
 Calgary, AB T2G 4A7

Sample Description	Farm Code	Sample
DAMP MMG HAY	802	30232460

160375 ANDERSON

Analysis Results

Sampled	Recvd	Printed	ST	CO
	08/21/24	08/21/24		

BLACKWELL HAY FARMS

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.19	2.62
ME, 1X	1.00	2.20
NEL, 3X	0.56	1.24
NEM, 3X	0.59	1.29
NEG, 3X	0.33	0.72
TDN1X, %	60	

Components	As Fed	DM
% Moisture	11.1	
% Dry Matter	88.9	
% Crude Protein	8.2	9.2
% Available Protein	7.7	8.6
% ADICP	.6	.6
% Adjusted Crude Protein	8.2	9.2
Soluble Protein % CP		34
Degradable Protein%CP		73
% NDICP	2.6	2.9
% ADF	35.7	40.2
% aNDF	61.5	69.2
% Lignin	4.3	4.8
% NFC	13.8	15.5
% Starch	.4	.4
% WSC (Water Sol. Carbs.)	7.7	8.7
% ESC (Simple Sugars)	6.8	7.7
% Crude Fat	1.7	2.0
% Ash	3.69	4.15
% TDN	53	60
NEL, Mcal/Lb	.41	.47
NEM, Mcal/Lb	.47	.53
NEG, Mcal/Lb	.25	.28
Relative Feed Value		77
% Calcium	.26	.29
% Phosphorus	.18	.20
% Magnesium	.11	.12
% Potassium	1.65	1.86
% Sulfur	.12	.14
% Chloride Ion	.20	.23
% Lysine	.32	.36
% Methionine	.11	.13
Horse DE, Mcal/Lb	.82	.93

Nutrilytical

B6, 3911 Brandon St SE
 Calgary, AB T2G 4A7

 |Sample Description |Farm|Code| Sample |
 |DAMP MMG HAY | |802 |30232470|

160376 ESSEX SOUTH

Analysis Results

 |Sampled | Recvd |Printed |ST|CO|
 | | |08/21/24|08/21/24| | |

BLACKWELL HAY FARMS

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.26	2.77
ME, 1X	1.07	2.35
NEL, 3X	0.61	1.34
NEM, 3X	0.64	1.41
NEG, 3X	0.37	0.82

TDN1X, %	64	

Components	As Fed	DM
% Moisture	12.7	
% Dry Matter	87.3	
% Crude Protein	7.1	8.1
% Available Protein	6.6	7.5
% ADICP	.5	.6
% Adjusted Crude Protein	7.1	8.1
Soluble Protein % CP		22
Degradable Protein%CP		62
% NDICP	2.1	2.4
% ADF	31.8	36.4
% aNDF	53.3	61.0
% Lignin	3.3	3.8
% NFC	20.4	23.4
% Starch	1.1	1.2
% WSC (Water Sol. Carbs.)	11.6	13.3
% ESC (Simple Sugars)	8.0	9.1
% Crude Fat	2.3	2.6
% Ash	4.31	4.94
% TDN	56	64
NEL, Mcal/Lb	.50	.57
NEM, Mcal/Lb	.53	.61
NEG, Mcal/Lb	.30	.34
Relative Feed Value		92
% Calcium	.37	.42
% Phosphorus	.11	.13
% Magnesium	.11	.13
% Potassium	1.24	1.42
% Sulfur	.10	.12
% Chloride Ion	.24	.27
% Lysine	.28	.32
% Methionine	.10	.11
Horse DE, Mcal/Lb	.89	1.02

Nutrilytical

B6, 3911 Brandon St SE
 Calgary, AB T2G 4A7

Sample Description	Farm Code	Sample
DAMP MMG HAY	802	30232480

160377 ESSEX NORTH

Analysis Results

Sampled	Recvd	Printed	ST	CO
	08/21/24	08/21/24		

BLACKWELL HAY FARMS

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.19	2.63
ME, 1X	1.00	2.20
NEL, 3X	0.56	1.24
NEM, 3X	0.59	1.29
NEG, 3X	0.33	0.72
TDN1X, %	60	

Components	As Fed	DM
% Moisture	13.6	
% Dry Matter	86.4	
% Crude Protein	6.9	8.0
% Available Protein	6.4	7.5
% ADICP	.5	.6
% Adjusted Crude Protein	6.9	8.0
Soluble Protein % CP		30
Degradable Protein%CP		67
% NDICP	2.1	2.5
% ADF	34.9	40.4
% aNDF	60.1	69.5
% Lignin	3.8	4.5
% NFC	14.2	16.5
% Starch	.5	.6
% WSC (Water Sol. Carbs.)	8.8	10.2
% ESC (Simple Sugars)	6.6	7.6
% Crude Fat	1.7	1.9
% Ash	3.56	4.12
% TDN	52	60
NEL, Mcal/Lb	.40	.47
NEM, Mcal/Lb	.47	.54
NEG, Mcal/Lb	.25	.28
Relative Feed Value		77
% Calcium	.26	.30
% Phosphorus	.15	.17
% Magnesium	.10	.12
% Potassium	1.22	1.41
% Sulfur	.11	.13
% Chloride Ion	.27	.31
% Lysine	.27	.31
% Methionine	.09	.11
Horse DE, Mcal/Lb	.80	.93

Nutrilytical

B6, 3911 Brandon St SE
 Calgary, AB T2G 4A7

 |Sample Description |Farm|Code| Sample |
 |DAMP MMG HAY | |802 |30232490|

160378 TANNIS

Analysis Results

 |Sampled | Recvd |Printed |ST|CO|
 | | |08/21/24|08/21/24| | |

BLACKWELL HAY FARMS

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.21	2.66
ME, 1X	1.01	2.24
NEL, 3X	0.57	1.26
NEM, 3X	0.60	1.32
NEG, 3X	0.34	0.75

TDN1X, %	61	

Components	As Fed	DM
% Moisture	12.1	
% Dry Matter	87.9	
% Crude Protein	6.1	7.0
% Available Protein	5.8	6.6
% ADICP	.4	.4
% Adjusted Crude Protein	6.1	7.0
Soluble Protein % CP		27
Degradable Protein%CP		66
% NDICP	1.9	2.1
% ADF	34.1	38.8
% aNDF	59.3	67.4
% Lignin	3.8	4.3
% NFC	17.0	19.3
% Starch	.9	1.0
% WSC (Water Sol. Carbs.)	10.1	11.5
% ESC (Simple Sugars)	7.3	8.3
% Crude Fat	1.9	2.1
% Ash	3.64	4.14
% TDN	54	61
NEL, Mcal/Lb	.44	.50
NEM, Mcal/Lb	.49	.56
NEG, Mcal/Lb	.27	.30
Relative Feed Value		81
% Calcium	.27	.31
% Phosphorus	.14	.16
% Magnesium	.13	.15
% Potassium	1.07	1.22
% Sulfur	.10	.11
% Chloride Ion	.28	.32
% Lysine	.24	.27
% Methionine	.08	.10
Horse DE, Mcal/Lb	.84	.96

Nutrilytical

B6, 3911 Brandon St SE
 Calgary, AB T2G 4A7

 |Sample Description |Farm|Code| Sample |
 |DAMP MMG HAY | |802 |30232500|

160379 BUFFALO RANCH

Analysis Results

 |Sampled | Recvd |Printed |ST|CO|
 | |08/21/24|08/21/24| | |

 |Components | As Fed | DM |

BLACKWELL HAY FARMS

Components	As Fed	DM
% Moisture	11.4	
% Dry Matter	88.6	
% Crude Protein	11.1	12.6
% Available Protein	9.9	11.2
% ADICP	1.2	1.4
% Adjusted Crude Protein	11.1	12.6
Soluble Protein % CP		22
Degradable Protein%CP		63
% NDICP	4.9	5.5
% ADF	39.1	44.1
% aNDF	62.3	70.3
% Lignin	5.7	6.4
% NFC	9.1	10.2
% Starch	.8	.9
% WSC (Water Sol. Carbs.)	2.7	3.0
% ESC (Simple Sugars)	2.7	3.0
% Crude Fat	2.3	2.6
% Ash	3.80	4.29
% TDN	51	58
NEL, Mcal/Lb	.39	.44
NEM, Mcal/Lb	.45	.51
NEG, Mcal/Lb	.22	.25
Relative Feed Value		72
% Calcium	.25	.28
% Phosphorus	.16	.18
% Magnesium	.14	.16
% Potassium	.97	1.09
% Sulfur	.20	.23
% Chloride Ion	.17	.19
% Lysine	.43	.49
% Methionine	.15	.17
Horse DE, Mcal/Lb	.79	.90

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.16	2.57
ME, 1X	0.97	2.14
NEL, 3X	0.54	1.20
NEM, 3X	0.57	1.25
NEG, 3X	0.31	0.68
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TDN1X, %	58	
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Nutrilytical

B6, 3911 Brandon St SE
 Calgary, AB T2G 4A7

Sample Description	Farm Code	Sample
DAMP MMG HAY	802	30232510

160380 CHAYTORS EAST

Analysis Results

Sampled	Recvd	Printed	ST	CO
	08/21/24	08/21/24		

BLACKWELL HAY FARMS

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.21	2.67
ME, 1X	1.02	2.24
NEL, 3X	0.57	1.27
NEM, 3X	0.60	1.33
NEG, 3X	0.34	0.75
TDN1X, %	61	

Components	As Fed	DM
% Moisture	9.4	
% Dry Matter	90.6	
% Crude Protein	7.7	8.5
% Available Protein	7.2	7.9
% ADICP	.5	.5
% Adjusted Crude Protein	7.7	8.5
Soluble Protein % CP		29
Degradable Protein%CP		72
% NDICP	2.0	2.2
% ADF	35.1	38.7
% aNDF	61.5	67.8
% Lignin	4.1	4.5
% NFC	16.0	17.7
% Starch	.5	.5
% WSC (Water Sol. Carbs.)	10.2	11.2
% ESC (Simple Sugars)	7.9	8.7
% Crude Fat	1.9	2.1
% Ash	3.55	3.92
% TDN	55	61
NEL, Mcal/Lb	.44	.49
NEM, Mcal/Lb	.50	.55
NEG, Mcal/Lb	.27	.30
Relative Feed Value		81
% Calcium	.22	.24
% Phosphorus	.18	.20
% Magnesium	.11	.12
% Potassium	1.43	1.58
% Sulfur	.12	.13
% Chloride Ion	.27	.30
% Lysine	.30	.33
% Methionine	.10	.12
Horse DE, Mcal/Lb	.86	.95

Nutrilysical

B6, 3911 Brandon St SE
 Calgary, AB T2G 4A7

Sample Description	Farm Code	Sample
DAMP MMG HAY	802	30232520

160381 CHAYTORS WEST

Analysis Results

Sampled	Recvd	Printed	ST	CO
	08/21/24	08/21/24		

BLACKWELL HAY FARMS

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.19	2.63
ME, 1X	1.00	2.21
NEL, 3X	0.56	1.24
NEM, 3X	0.59	1.30
NEG, 3X	0.33	0.73
TDN1X, %	60	

Components	As Fed	DM
% Moisture	10.5	
% Dry Matter	89.5	
% Crude Protein	8.8	9.8
% Available Protein	8.1	9.1
% ADICP	.6	.7
% Adjusted Crude Protein	8.8	9.8
Soluble Protein % CP		35
Degradable Protein%CP		75
% NDICP	2.4	2.7
% ADF	35.4	39.5
% aNDF	59.4	66.4
% Lignin	4.5	5.1
% NFC	15.2	17.0
% Starch	.8	.9
% WSC (Water Sol. Carbs.)	8.7	9.7
% ESC (Simple Sugars)	7.3	8.2
% Crude Fat	1.9	2.2
% Ash	4.11	4.59
% TDN	53	60
NEL, Mcal/Lb	.44	.49
NEM, Mcal/Lb	.48	.54
NEG, Mcal/Lb	.25	.28
Relative Feed Value		81
% Calcium	.41	.46
% Phosphorus	.19	.21
% Magnesium	.13	.14
% Potassium	1.59	1.78
% Sulfur	.13	.14
% Chloride Ion	.23	.26
% Lysine	.34	.38
% Methionine	.12	.13
Horse DE, Mcal/Lb	.85	.95