

FORAGE TESTING LABORATORY
 DAIRY ONE, INC.
 730 WARREN ROAD
 ITHACA, NEW YORK 14850
 607-257-1272 (fax 607-257-1350)

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|Sample Description |Farm|Code| Sample |
|DAMP SMALL GRAIN HAY | |871 |20156660|
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| 1 OAT/PEA/BUCKETWHEAT
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|Sampled | Recvd |Printed |ST|CO|
| | |01/29/14|01/30/14| | |
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1 OAT/PEA/BUCKETWHEAT
 JOHN O MEARA
 182 EAST RD
 NEW SWEDEN, ME 04762

 Analysis Results

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	0.85	1.87
ME, 1X	0.66	1.45
NEL, 3X	0.34	0.74
NEM, 3X	0.32	0.70
NEG, 3X	0.07	0.16

TDN1X, %	43	

Components	As Fed	DM
% Moisture	32.0	
% Dry Matter	68.0	
% Crude Protein	5.0	7.3
% Available Protein	4.1	6.0
% ADICP	.9	1.3
% Adjusted Crude Protein	5.0	7.3
Soluble Protein % CP		37
Degradable Protein%CP		68
% NDICP	2.6	3.8
% Acid Detergent Fiber	29.6	43.5
% Neutral Detergent Fiber	40.3	59.3
% Lignin	10.6	15.6
% NFC	14.4	21.1
% Starch	6.2	9.1
% WSC (Water Sol. Carbs.)	.1	.2
% ESC (Simple Sugars)	.1	.2
% Crude Fat	2.5	3.7
% Ash	8.42	12.38
% TDN	29	43
NEL, Mcal/Lb	.27	.40
NEM, Mcal/Lb	.20	.30
NEG, Mcal/Lb	.04	.06
Relative Feed Value		86
% Calcium	.67	.98
% Phosphorus	.03	.05
% Magnesium	.22	.33
% Potassium	.01	.02
% Sulfur	.10	.15
% Chloride Ion	.37	.55
% Lysine	.15	.22
% Methionine	.08	.11
Horse DE, Mcal/Lb	.60	.88

COMMENTS:
 1. THIS SAMPLE WAS TESTED TWICE
 FOR DRY MATTER TO CONFIRM THE
 VALUE LISTED.

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Sample Description	Farm Code	Sample
SMALL GRAIN HAY	171	20156670

2 OAT/PEA/BUCKETWHEAT

Analysis Results

Sampled	Recvd	Printed	ST	CO
	01/29/14	01/29/14		

2 OAT/PEA/BUCKETWHEAT
 JOHN O MEARA
 182 EAST RD
 NEW SWEDEN, ME 04762

Components	As Fed	DM
% Moisture	5.6	
% Dry Matter	94.4	
% Crude Protein	7.6	8.0
% Available Protein	7.0	7.4
% ADICP	.6	.6
% Adjusted Crude Protein	7.6	8.0
Soluble Protein % CP		36
Degradable Protein%CP		57
% NDICP	2.2	2.4
% Acid Detergent Fiber	36.8	39.0
% Neutral Detergent Fiber	59.4	62.9
% Lignin	5.7	6.1
% NFC	21.1	22.4
% Starch	8.6	9.1
% WSC (Water Sol. Carbs.)	7.3	7.8
% ESC (Simple Sugars)	.2	.2
% Crude Fat	2.7	2.8
% Ash	5.88	6.23
% TDN	55	58
NEL, Mcal/Lb	.48	.51
NEM, Mcal/Lb	.50	.53
NEG, Mcal/Lb	.26	.27
Relative Feed Value		87
% Calcium	.41	.43
% Phosphorus	.15	.16
% Magnesium	.16	.17
% Potassium	.86	.91
% Sulfur	.17	.18
% Chloride Ion	.18	.19
% Lysine	.22	.24
% Methionine	.11	.12
Horse DE, Mcal/Lb	.91	.97

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.16	2.55
ME, 1X	0.96	2.12
NEL, 3X	0.54	1.19
NEM, 3X	0.56	1.24
NEG, 3X	0.30	0.67
TDN1X, %	58	

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|Sample Description |Farm|Code| Sample |
|SMALL GRAIN HAY  |   |171 |20156680|
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|          3 OAT/PEA/BUCKETWHEAT
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|Sampled | Recvd |Printed |ST|CO|
|         |01/29/14|01/29/14|  |  |
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3 OAT/PEA/BUCKETWHEAT
 JOHN O MEARA
 182 EAST RD
 NEW SWEDEN, ME 04762

Analysis Results		
Components	As Fed	DM
% Moisture	7.3	
% Dry Matter	92.7	
% Crude Protein	8.5	9.2
% Available Protein	6.8	7.3
% ADICP	1.8	1.9
% Adjusted Crude Protein	7.7	8.3
Soluble Protein % CP		30
Degradable Protein%CP		48
% NDICP	3.1	3.3
% Acid Detergent Fiber	43.7	47.1
% Neutral Detergent Fiber	55.1	59.4
% Lignin	9.5	10.2
% NFC	23.3	25.1
% Starch	10.3	11.1
% WSC (Water Sol. Carbs.)	3.0	3.3
% ESC (Simple Sugars)	2.6	2.8
% Crude Fat	3.1	3.3
% Ash	5.79	6.25
% TDN	49	53
NEL, Mcal/Lb	.46	.49
NEM, Mcal/Lb	.43	.46
NEG, Mcal/Lb	.19	.21
Relative Feed Value		82
% Calcium	.48	.52
% Phosphorus	.25	.27
% Magnesium	.19	.20
% Potassium	.40	.43
% Sulfur	.16	.17
% Chloride Ion	.24	.26
% Lysine	.25	.27
% Methionine	.13	.14
Horse DE, Mcal/Lb	.92	.99

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.06	2.34
ME, 1X	0.87	1.91
NEL, 3X	0.48	1.05
NEM, 3X	0.49	1.07
NEG, 3X	0.23	0.52
TDN1X, %	53	

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|Sample Description |Farm|Code| Sample |
|SMALL GRAIN HAY  |   |171 |20156690|
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| 4 OAT/PEA/BUCKETWHEAT
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|Sampled | Recvd |Printed |ST|CO|
|         |01/29/14|01/29/14|  |  |
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4 OAT/PEA/BUCKETWHEAT
 JOHN O MEARA
 182 EAST RD
 NEW SWEDEN, ME 04762

Analysis Results		
Components	As Fed	DM
% Moisture	4.8	
% Dry Matter	95.2	
% Crude Protein	6.1	6.4
% Available Protein	5.5	5.8
% ADICP	.6	.6
% Adjusted Crude Protein	6.1	6.4
Soluble Protein % CP		37
Degradable Protein%CP		61
% NDICP	2.5	2.7
% Acid Detergent Fiber	38.9	40.9
% Neutral Detergent Fiber	62.9	66.1
% Lignin	5.7	6.0
% NFC	21.3	22.4
% Starch	.8	.9
% WSC (Water Sol. Carbs.)	12.4	13.1
% ESC (Simple Sugars)	1.6	1.7
% Crude Fat	2.3	2.5
% Ash	5.11	5.37
% TDN	55	58
NEL, Mcal/Lb	.46	.48
NEM, Mcal/Lb	.49	.52
NEG, Mcal/Lb	.25	.26
Relative Feed Value		80
% Calcium	.34	.36
% Phosphorus	.13	.14
% Magnesium	.18	.19
% Potassium	.77	.81
% Sulfur	.17	.18
% Chloride Ion	.15	.16
% Lysine	.18	.19
% Methionine	.09	.10
Horse DE, Mcal/Lb	.90	.95

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.14	2.51
ME, 1X	0.95	2.08
NEL, 3X	0.53	1.16
NEM, 3X	0.55	1.21
NEG, 3X	0.29	0.64
TDN1X, %	58	

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Sample Description	Farm Code	Sample
SMALL GRAIN HAY	171	20156700

5 OAT/PEA/BUCKETWHEAT

Analysis Results

Sampled	Recvd	Printed	ST	CO
	01/29/14	01/29/14		

5 OAT/PEA/BUCKETWHEAT
 JOHN O MEARA
 182 EAST RD
 NEW SWEDEN, ME 04762

Components	As Fed	DM
% Moisture	4.9	
% Dry Matter	95.1	
% Crude Protein	10.0	10.5
% Available Protein	9.8	10.3
% ADICP	.2	.3
% Adjusted Crude Protein	10.0	10.5
Soluble Protein % CP		43
Degradable Protein%CP		66
% NDICP	3.8	4.0
% Acid Detergent Fiber	36.0	37.9
% Neutral Detergent Fiber	59.8	62.9
% Lignin	4.0	4.2
% NFC	21.8	22.9
% Starch	.2	.2
% WSC (Water Sol. Carbs.)	13.7	14.4
% ESC (Simple Sugars)	3.8	4.0
% Crude Fat	3.0	3.2
% Ash	4.34	4.56
% TDN	61	64
NEL, Mcal/Lb	.54	.56
NEM, Mcal/Lb	.59	.62
NEG, Mcal/Lb	.34	.35
Relative Feed Value		88
% Calcium	.55	.58
% Phosphorus	.15	.16
% Magnesium	.19	.20
% Potassium	.68	.72
% Sulfur	.22	.23
% Chloride Ion	.18	.19
% Lysine	.30	.31
% Methionine	.15	.16
Horse DE, Mcal/Lb	.95	1.00

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.29	2.84
ME, 1X	1.10	2.42
NEL, 3X	0.63	1.38
NEM, 3X	0.66	1.45
NEG, 3X	0.39	0.86
TDN1X, %	64	

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|Sample Description |Farm|Code| Sample |
|SMALL GRAIN HAY  |   |171 |20156710|
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|        6 OAT/PEA/BUCKETWHEAT
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|Sampled | Recvd |Printed |ST|CO|
|         |01/29/14|01/29/14|  |  |
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6 OAT/PEA/BUCKETWHEAT
 JOHN O MEARA
 182 EAST RD
 NEW SWEDEN, ME 04762

 Analysis Results

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.17	2.58
ME, 1X	0.98	2.16
NEL, 3X	0.55	1.22
NEM, 3X	0.57	1.26
NEG, 3X	0.31	0.69

TDN1X, %	59	

Components	As Fed	DM
% Moisture	4.5	
% Dry Matter	95.5	
% Crude Protein	8.5	9.0
% Available Protein	8.2	8.6
% ADICP	.4	.4
% Adjusted Crude Protein	8.5	9.0
Soluble Protein % CP		43
Degradable Protein%CP		66
% NDICP	2.9	3.0
% Acid Detergent Fiber	38.8	40.6
% Neutral Detergent Fiber	65.2	68.2
% Lignin	6.2	6.5
% NFC	16.2	17.0
% Starch	.2	.2
% WSC (Water Sol. Carbs.)	11.0	11.5
% ESC (Simple Sugars)	3.6	3.8
% Crude Fat	3.6	3.8
% Ash	4.82	5.05
% TDN	56	59
NEL, Mcal/Lb	.46	.48
NEM, Mcal/Lb	.51	.54
NEG, Mcal/Lb	.27	.28
Relative Feed Value		78
% Calcium	.45	.47
% Phosphorus	.13	.14
% Magnesium	.18	.19
% Potassium	.51	.53
% Sulfur	.21	.22
% Chloride Ion	.18	.19
% Lysine	.25	.26
% Methionine	.13	.14
Horse DE, Mcal/Lb	.90	.94

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|Sample Description |Farm|Code| Sample |
|SMALL GRAIN HAY  |   |171 |20156720|
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|          7 OAT/PEA/BUCKETWHEAT
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Analysis Results

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|Sampled | Recvd |Printed |ST|CO|
|         |01/29/14|01/29/14|  |  |
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7 OAT/PEA/BUCKETWHEAT
 JOHN O MEARA
 182 EAST RD
 NEW SWEDEN, ME 04762

Components	As Fed	DM
% Moisture	6.1	
% Dry Matter	93.9	
% Crude Protein	6.5	6.9
% Available Protein	5.3	5.6
% ADICP	1.2	1.3
% Adjusted Crude Protein	6.5	6.9
Soluble Protein % CP		37
Degradable Protein%CP		68
% NDICP	2.3	2.4
% Acid Detergent Fiber	43.5	46.4
% Neutral Detergent Fiber	62.4	66.4
% Lignin	8.7	9.3
% NFC	20.4	21.7
% Starch	2.0	2.1
% WSC (Water Sol. Carbs.)	8.0	8.6
% ESC (Simple Sugars)	1.8	2.0
% Crude Fat	2.4	2.5
% Ash	4.57	4.87
% TDN	50	53
NEL, Mcal/Lb	.41	.44
NEM, Mcal/Lb	.41	.44
NEG, Mcal/Lb	.18	.19
Relative Feed Value		74
% Calcium	.62	.66
% Phosphorus	.18	.19
% Magnesium	.15	.16
% Potassium	1.03	1.10
% Sulfur	.13	.14
% Chloride Ion	.18	.19
% Lysine	.19	.20
% Methionine	.10	.10
Horse DE, Mcal/Lb	.88	.94

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.04	2.29
ME, 1X	0.85	1.87
NEL, 3X	0.46	1.02
NEM, 3X	0.47	1.04
NEG, 3X	0.22	0.49
TDN1X, %	53	

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Sample Description	Farm Code	Sample
SMALL GRAIN HAY	171	20156730
8 OAT/PEA		
Analysis Results		
Components	As Fed	DM
% Moisture	6.2	
% Dry Matter	93.8	
% Crude Protein	9.0	9.6
% Available Protein	8.3	8.9
% ADICP	.7	.7
% Adjusted Crude Protein	9.0	9.6
Soluble Protein % CP		33
Degradable Protein%CP		56
% NDICP	3.7	3.9
% Acid Detergent Fiber	36.9	39.3
% Neutral Detergent Fiber	60.2	64.2
% Lignin	3.5	3.7
% NFC	17.5	18.6
% Starch	1.6	1.7
% WSC (Water Sol. Carbs.)	11.7	12.4
% ESC (Simple Sugars)	3.7	3.9
% Crude Fat	3.1	3.3
% Ash	7.67	8.18
% TDN	57	61
NEL, Mcal/Lb	.50	.53
NEM, Mcal/Lb	.53	.57
NEG, Mcal/Lb	.29	.31
Relative Feed Value		84
% Calcium	.56	.60
% Phosphorus	.22	.23
% Magnesium	.18	.19
% Potassium	1.21	1.29
% Sulfur	.23	.24
% Chloride Ion	.18	.19
% Lysine	.27	.28
% Methionine	.14	.14
Horse DE, Mcal/Lb	.86	.91

 |Sampled | Recvd |Printed |ST|CO|
 | | |01/29/14|01/29/14| | |

8 OAT/PEA
 JOHN O MEARA
 182 EAST RD
 NEW SWEDEN, ME 04762

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.22	2.68
ME, 1X	1.03	2.26
NEL, 3X	0.58	1.28
NEM, 3X	0.61	1.34
NEG, 3X	0.35	0.76

TDN1X, %	61	
