

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

Sample Description	Farm Code	Sample
DAMP GRASS HAY	803	20882080
CUSF 1ST CUT GRASS		
Analysis Results		
Components	As Fed	DM
% Moisture	18.4	
% Dry Matter	81.6	
% Crude Protein	14.8	18.2
% Adjusted Crude Protein	14.8	18.2
% Acid Detergent Fiber	31.3	38.3
% Neutral Detergent Fiber	49.1	60.1
% NFC	10.3	12.6
% TDN	47	58
NEL, Mcal/Lb	.43	.52
NEM, Mcal/Lb	.42	.52
NEG, Mcal/Lb	.22	.26
Relative Feed Value		91
% Calcium	.57	.70
% Phosphorus	.38	.47
% Magnesium	.17	.21
% Potassium	3.23	3.95
% Sodium	.002	.002
PPM Iron	80	98
PPM Zinc	23	28
PPM Copper	8	10
PPM Manganese	20	25
PPM Molybdenum	2.6	3.2
Horse DE, Mcal/Lb	.78	.95

Sampled	Recvd	Printed	ST	CO	

CUSF 1ST CUT GRASS
 TATIANA STANTON
 DEPT ANIM SCI MORRISON 114
 CORNELL UNIVERSITY
 ITHACA, NY 14853

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.20	2.65
ME, 1X	1.01	2.23
NEL, 3X	0.57	1.26
NEM, 3X	0.60	1.31
NEG, 3X	0.34	0.74
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TDN1X, %	58	
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Sample Description	Farm Code	Sample
GRASS HAY	103	20882090
CUSF 2ND CUT GRASS		
Analysis Results		
Components	As Fed	DM
% Moisture	6.6	
% Dry Matter	93.4	
% Crude Protein	14.0	14.9
% Adjusted Crude Protein	14.0	14.9
% Acid Detergent Fiber	33.0	35.4
% Neutral Detergent Fiber	56.4	60.4
% NFC	14.5	15.5
% TDN	55	59
NEL, Mcal/Lb	.49	.53
NEM, Mcal/Lb	.50	.53
NEG, Mcal/Lb	.26	.28
Relative Feed Value		95
% Calcium	.67	.71
% Phosphorus	.20	.22
% Magnesium	.32	.34
% Potassium	1.10	1.18
% Sodium	.143	.153
PPM Iron	794	850
PPM Zinc	26	28
PPM Copper	8	9
PPM Manganese	83	89
PPM Molybdenum	1.3	1.4
Horse DE, Mcal/Lb	.90	.97

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CUSF 2ND CUT GRASS
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 CORNELL UNIVERSITY
 ITHACA, NY 14853

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.20	2.65
ME, 1X	1.01	2.22
NEL, 3X	0.57	1.25
NEM, 3X	0.59	1.31
NEG, 3X	0.33	0.74
TDN1X, %	59	

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Sample Description	Farm Code	Sample
GRASS HAY	103	20882100
SWANTON 1ST CUT GRASS		
Analysis Results		
Components	As Fed	DM
% Moisture	7.6	
% Dry Matter	92.4	
% Crude Protein	7.2	7.8
% Adjusted Crude Protein	7.2	7.8
% Acid Detergent Fiber	41.3	44.7
% Neutral Detergent Fiber	62.8	67.9
% NFC	13.9	15.0
% TDN	52	56
NEL, Mcal/Lb	.42	.45
NEM, Mcal/Lb	.45	.49
NEG, Mcal/Lb	.22	.24
Relative Feed Value		74
% Calcium	.51	.56
% Phosphorus	.17	.18
% Magnesium	.14	.15
% Potassium	1.51	1.63
% Sodium	.004	.005
PPM Iron	88	95
PPM Zinc	16	18
PPM Copper	6	6
PPM Manganese	52	56
PPM Molybdenum	.3	.3
Horse DE, Mcal/Lb	.82	.89

 |Sampled | Recvd | Printed | ST | CO |
 | | | 09/29/14 | 10/01/14 | | |

SWANTON 1ST CUT GRASS
 TATIANA STANTON
 DEPT ANIM SCI MORRISON 114
 CORNELL UNIVERSITY
 ITHACA, NY 14853

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.12	2.46
ME, 1X	0.92	2.04
NEL, 3X	0.51	1.13
NEM, 3X	0.53	1.17
NEG, 3X	0.28	0.61
TDN1X, %	56	

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SWANTON 2ND CUT GRASS/CLOVER
 TATIANA STANTON
 DEPT ANIM SCI MORRISON 114
 CORNELL UNIVERSITY
 ITHACA, NY 14853

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.20	2.64
ME, 1X	1.00	2.21
NEL, 3X	0.57	1.25
NEM, 3X	0.59	1.30
NEG, 3X	0.33	0.73
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TDN1X, %	59	

Sample Description	Farm Code	Sample
MMG HAY	102	20882110

SWANTON 2ND CUT GRASS/CLOVER		

Analysis Results		

Components	As Fed	DM

% Moisture	7.9	
% Dry Matter	92.1	
% Crude Protein	11.7	12.7
% Adjusted Crude Protein	11.7	12.7
% Acid Detergent Fiber	33.2	36.0
% Neutral Detergent Fiber	48.4	52.6
% NFC	22.8	24.8
% TDN	54	59
NEL, Mcal/Lb	.53	.57
NEM, Mcal/Lb	.50	.55
NEG, Mcal/Lb	.27	.29
Relative Feed Value		108
% Calcium	.90	.98
% Phosphorus	.32	.35
% Magnesium	.27	.29
% Potassium	1.77	1.92
% Sodium	.002	.002
PPM Iron	80	87
PPM Zinc	22	24
PPM Copper	7	8
PPM Manganese	120	131
PPM Molybdenum	< 0.1	< 0.1
Horse DE, Mcal/Lb	.96	1.04

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Sample Description	Farm Code	Sample
MMG HAY	102	20882120
HH 1ST CUT GRASS/FORBS/LEGUMES		
Analysis Results		
Components	As Fed	DM
% Moisture	7.2	
% Dry Matter	92.8	
% Crude Protein	8.0	8.6
% Adjusted Crude Protein	8.0	8.6
% Acid Detergent Fiber	35.7	38.5
% Neutral Detergent Fiber	54.1	58.3
% NFC	21.5	23.2
% TDN	53	57
NEL, Mcal/Lb	.49	.53
NEM, Mcal/Lb	.48	.52
NEG, Mcal/Lb	.24	.26
Relative Feed Value		94
% Calcium	.74	.79
% Phosphorus	.16	.18
% Magnesium	.20	.21
% Potassium	1.67	1.80
% Sodium	.001	.001
PPM Iron	61	66
PPM Zinc	22	24
PPM Copper	6	7
PPM Manganese	105	113
PPM Molybdenum	.4	.4
Horse DE, Mcal/Lb	.91	.98

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 | | |09/29/14|10/01/14| | |

HH 1ST CUT GRASS/FORBS/LEGUMES
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 CORNELL UNIVERSITY
 ITHACA, NY 14853

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.14	2.52
ME, 1X	0.95	2.09
NEL, 3X	0.53	1.17
NEM, 3X	0.55	1.21
NEG, 3X	0.29	0.65
TDN1X, %	57	

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HH 2ND CUT GRASS/ALFALFA
 TATIANA STANTON
 DEPT ANIM SCI MORRISON 114
 CORNELL UNIVERSITY
 ITHACA, NY 14853

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.20	2.64
ME, 1X	1.00	2.21
NEL, 3X	0.57	1.25
NEM, 3X	0.59	1.30
NEG, 3X	0.33	0.73
TDN1X, %	59	

 |Sample Description | Farm | Code | Sample |
 |MMG HAY | | 102 | 20882130 |

HH 2ND CUT GRASS/ALFALFA

 Analysis Results

Components	As Fed	DM
% Moisture	7.5	
% Dry Matter	92.5	
% Crude Protein	12.5	13.5
% Adjusted Crude Protein	12.5	13.5
% Acid Detergent Fiber	32.9	35.6
% Neutral Detergent Fiber	49.7	53.7
% NFC	21.1	22.8
% TDN	54	59
NEL, Mcal/Lb	.52	.57
NEM, Mcal/Lb	.50	.54
NEG, Mcal/Lb	.26	.29
Relative Feed Value		106
% Calcium	1.12	1.21
% Phosphorus	.17	.18
% Magnesium	.27	.29
% Potassium	1.57	1.69
% Sodium	.012	.013
PPM Iron	198	214
PPM Zinc	24	26
PPM Copper	8	9
PPM Manganese	50	55
PPM Molybdenum	2.9	3.1
Horse DE, Mcal/Lb	.95	1.02

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LR 2ND CUT TREFOIL/GRASS
 TATIANA STANTON
 DEPT ANIM SCI MORRISON 114
 CORNELL UNIVERSITY
 ITHACA, NY 14853

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.17	2.57
ME, 1X	0.98	2.15
NEL, 3X	0.55	1.20
NEM, 3X	0.57	1.26
NEG, 3X	0.31	0.69
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TDN1X, %	58	

 |Sample Description | Farm | Code | Sample |
 |DAMP GRASS HAY | | 803 | 20882140 |

LR 2ND CUT TREFOIL/GRASS

 Analysis Results

Components	As Fed	DM
% Moisture	20.4	
% Dry Matter	79.6	
% Crude Protein	9.5	11.9
% Adjusted Crude Protein	9.5	11.9
% Acid Detergent Fiber	37.8	47.5
% Neutral Detergent Fiber	46.9	58.9
% NFC	15.9	20.0
% TDN	46	58
NEL, Mcal/Lb	.42	.53
NEM, Mcal/Lb	.41	.52
NEG, Mcal/Lb	.21	.27
Relative Feed Value		82
% Calcium	.75	.95
% Phosphorus	.18	.23
% Magnesium	.16	.19
% Potassium	1.56	1.95
% Sodium	<.001	<.001
PPM Iron	105	132
PPM Zinc	19	24
PPM Copper	6	7
PPM Manganese	34	43
PPM Molybdenum	.3	.4
Horse DE, Mcal/Lb	.77	.96