

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

Sampled	Recvd	Printed	ST	CO
	01/19/26	01/23/26		

1
Hudson Carbon
67 Pinewood Road
Hudson, NY 12534

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	0.98	2.17
ME, 1X	0.79	1.74
NEL, 3X	0.43	0.94
NEM, 3X	0.43	0.94
NEG, 3X	0.18	0.39
TDN1X, %	49	

Sample Description	Farm	Code	Sample
MMG PASTURE		012D	31236370
1			
Analysis Results			
Components	As Fed	DM	
% Moisture	6.4		
% Dry Matter	93.6		
% Crude Protein	8.6	9.2	
% Available Protein	7.1	7.6	
% ADICP	1.5	1.6	
% Adjusted Crude Protein	8.1	8.6	
Soluble Protein % CP		48	
Degradable Protein %CP		60	
% NDICP	3.7	4.0	
% ADF	47.6	50.9	
% aNDF	62.9	67.2	
% Lignin	12.8	13.7	
% NFC	15.5	16.6	
% Starch	1.2	1.3	
% WSC (Water Sol. Carbs.)	6.6	7.1	
% ESC (Simple Sugars)	2.5	2.7	
% Crude Fat	3.0	3.2	
% Ash	3.57	3.81	
% TDN	46	49	
NEL, (mcal/kg)	.84	.90	
NEM, (mcal/kg)	.80	.86	
NEG, (mcal/kg)	.30	.32	
Relative Feed Value		68	
% Calcium	1.28	1.37	
% Phosphorus	.21	.22	
% Magnesium	.13	.14	
% Potassium	.52	.56	
% Sulfur	.16	.17	
% Chloride Ion	.31	.33	
Horse DE, Mcal/kg	1.95	2.08	
% Lysine	.34	.36	
% Methionine	.12	.13	

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2
 Hudson Carbon
 67 Pinewood Road
 Hudson, NY 12534

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	0.99	2.18
ME, 1X	0.79	1.75
NEL, 3X	0.43	0.94
NEM, 3X	0.43	0.95
NEG, 3X	0.18	0.40
TDN1X, %	50	

Sample Description	Farm	Code	Sample
MMG PASTURE		012D	31236380
2			
Analysis Results			
Components	As Fed	DM	
% Moisture	6.5		
% Dry Matter	93.6		
% Crude Protein	8.7	9.3	
% Available Protein	7.0	7.5	
% ADICP	1.7	1.9	
% Adjusted Crude Protein	7.9	8.5	
Soluble Protein % CP		38	
Degradable Protein %CP		58	
% NDICP	2.5	2.6	
% ADF	42.9	45.9	
% aNDF	61.0	65.2	
% Lignin	9.7	10.4	
% NFC	14.0	14.9	
% Starch	.6	.7	
% WSC (Water Sol. Carbs.)	4.5	4.8	
% ESC (Simple Sugars)	2.8	3.0	
% Crude Fat	2.9	3.1	
% Ash	7.03	7.51	
% TDN	46	50	
NEL, (mcal/kg)	.87	.93	
NEM, (mcal/kg)	.81	.87	
NEG, (mcal/kg)	.30	.33	
Relative Feed Value		76	
% Calcium	1.38	1.48	
% Phosphorus	.11	.12	
% Magnesium	.20	.21	
% Potassium	.63	.67	
% Sulfur	.18	.19	
% Chloride Ion	.27	.29	
Horse DE,Mcal/kg	1.85	1.98	
% Lysine	.34	.36	
% Methionine	.12	.13	



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3
Hudson Carbon
67 Pinewood Road
Hudson, NY 12534

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
	-----	-----
DE, 1X	1.02	2.24
ME, 1X	0.82	1.81
NEL, 3X	0.45	0.98
NEM, 3X	0.45	0.99
NEG, 3X	0.20	0.45
	-----	-----
TDN1X, %	51	

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4		
Hudson Carbon		
67 Pinewood Road		
Hudson, NY 12534		
ENERGY TABLE - NRC 2001		
	Mcal/Lb	Mcal/Kg
DE, 1X	1.09	2.39
ME, 1X	0.89	1.97
NEL, 3X	0.50	1.09
NEM, 3X	0.51	1.12
NEG, 3X	0.25	0.56
TDN1X, %	54	

Sample Description	Farm	Code	Sample
MMG PASTURE		012D	31236400
4			
Analysis Results			
Components	As Fed	DM	
% Moisture	7.6		
% Dry Matter	92.5		
% Crude Protein	10.3	11.2	
% Available Protein	8.7	9.5	
% ADICP	1.6	1.7	
% Adjusted Crude Protein	9.7	10.5	
Soluble Protein % CP		36	
Degradable Protein %CP		54	
% NDICP	4.5	4.9	
% ADF	41.0	44.4	
% aNDF	56.5	61.1	
% Lignin	9.1	9.8	
% NFC	15.3	16.5	
% Starch	.2	.2	
% WSC (Water Sol. Carbs.)	6.8	7.4	
% ESC (Simple Sugars)	3.0	3.3	
% Crude Fat	3.7	4.0	
% Ash	6.63	7.17	
% TDN	50	54	
NEL, (mcal/kg)	1.00	1.08	
NEM, (mcal/kg)	.97	1.04	
NEG, (mcal/kg)	.45	.49	
Relative Feed Value		83	
% Calcium	.99	1.07	
% Phosphorus	.22	.24	
% Magnesium	.17	.18	
% Potassium	.52	.56	
% Sulfur	.20	.22	
% Chloride Ion	.40	.43	
Horse DE, Mcal/kg	1.95	2.11	
% Lysine	.40	.43	
% Methionine	.14	.15	

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5
Hudson Carbon
67 Pinewood Road
Hudson, NY 12534

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.02	2.25
ME, 1X	0.83	1.82
NEL, 3X	0.45	0.99
NEM, 3X	0.46	1.00
NEG, 3X	0.21	0.46
TDN1X, %	51	

Sample Description	Farm	Code	Sample
MMG PASTURE		012D	31236410

Analysis Results

Components	As Fed	DM
% Moisture	6.0	
% Dry Matter	94.0	
% Crude Protein	8.8	9.3
% Available Protein	8.1	8.6
% ADICP	.7	.7
% Adjusted Crude Protein	8.8	9.3
Soluble Protein % CP		44
Degradable Protein %CP		61
% NDICP	3.6	3.8
% ADF	46.0	48.9
% aNDF	62.1	66.0
% Lignin	10.3	11.0
% NFC	13.9	14.8
% Starch	.2	.2
% WSC (Water Sol. Carbs.)	6.0	6.4
% ESC (Simple Sugars)	2.1	2.3
% Crude Fat	2.9	3.1
% Ash	6.31	6.71
% TDN	48	51
NEL, (mcal/kg)	.89	.94
NEM, (mcal/kg)	.86	.91
NEG, (mcal/kg)	.35	.37
Relative Feed Value		72
% Calcium	1.24	1.32
% Phosphorus	.22	.23
% Magnesium	.18	.19
% Potassium	.58	.62
% Sulfur	.20	.21
% Chloride Ion	.33	.35
Horse DE,Mcal/kg	1.86	1.98
% Lysine	.34	.36
% Methionine	.12	.13



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6
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ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.00	2.21
ME, 1X	0.81	1.79
NEL, 3X	0.44	0.97
NEM, 3X	0.44	0.97
NEG, 3X	0.19	0.42
TDN1X, %	50	

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7
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ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.04	2.29
ME, 1X	0.85	1.86
NEL, 3X	0.46	1.02
NEM, 3X	0.47	1.04
NEG, 3X	0.22	0.48
TDN1X, %	52	

Sample Description	Farm	Code	Sample
MMG PASTURE		012D	31236430
7			
Analysis Results			
Components	As Fed	DM	
% Moisture	6.6		
% Dry Matter	93.4		
% Crude Protein	10.3	11.1	
% Available Protein	8.5	9.1	
% ADICP	1.8	2.0	
% Adjusted Crude Protein	9.4	10.1	
Soluble Protein % CP		34	
Degradable Protein %CP		55	
% NDICP	5.4	5.8	
% ADF	40.8	43.7	
% aNDF	64.1	68.6	
% Lignin	8.6	9.2	
% NFC	10.8	11.5	
% Starch	.2	.2	
% WSC (Water Sol. Carbs.)	6.0	6.4	
% ESC (Simple Sugars)	2.5	2.7	
% Crude Fat	2.5	2.7	
% Ash	5.76	6.16	
% TDN	48	52	
NEL, (mcal/kg)	.85	.91	
NEM, (mcal/kg)	.86	.92	
NEG, (mcal/kg)	.35	.38	
Relative Feed Value		74	
% Calcium	.84	.90	
% Phosphorus	.21	.23	
% Magnesium	.19	.20	
% Potassium	.79	.85	
% Sulfur	.13	.14	
% Chloride Ion	.21	.22	
Horse DE, Mcal/kg	1.82	1.95	
% Lysine	.40	.43	
% Methionine	.14	.15	



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8
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ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
	-----	-----
DE, 1X	0.98	2.17
ME, 1X	0.79	1.74
NEL, 3X	0.42	0.93
NEM, 3X	0.43	0.94
NEG, 3X	0.18	0.39
	-----	-----
TDN1X, %	49	

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9
Hudson Carbon
67 Pinewood Road
Hudson, NY 12534

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	0.99	2.19
ME, 1X	0.80	1.77
NEL, 3X	0.43	0.96
NEM, 3X	0.43	0.96
NEG, 3X	0.19	0.41
TDN1X, %	49	

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10
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67 Pinewood Road
Hudson, NY 12534
ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.08	2.37
ME, 1X	0.88	1.95
NEL, 3X	0.49	1.07
NEM, 3X	0.50	1.10
NEG, 3X	0.25	0.54
TDN1X, %	54	

Sample Description	Farm	Code	Sample
MMG PASTURE		012D	31236460
10			
Analysis Results			
Components	As Fed	DM	
% Moisture	7.0		
% Dry Matter	93.0		
% Crude Protein	7.4	8.0	
% Available Protein	6.1	6.6	
% ADICP	1.3	1.4	
% Adjusted Crude Protein	7.4	8.0	
Soluble Protein % CP		37	
Degradable Protein %CP		53	
% NDICP	3.1	3.3	
% ADF	39.1	42.0	
% aNDF	62.7	67.5	
% Lignin	7.8	8.4	
% NFC	13.9	15.0	
% Starch	.2	.2	
% WSC (Water Sol. Carbs.)	8.2	8.8	
% ESC (Simple Sugars)	4.2	4.6	
% Crude Fat	3.4	3.7	
% Ash	5.52	5.93	
% TDN	51	54	
NEL, (mcal/kg)	.92	.99	
NEM, (mcal/kg)	.96	1.04	
NEG, (mcal/kg)	.45	.48	
Relative Feed Value		77	
% Calcium	.92	.99	
% Phosphorus	.25	.27	
% Magnesium	.21	.23	
% Potassium	.87	.94	
% Sulfur	.20	.21	
% Chloride Ion	.23	.25	
Horse DE, Mcal/kg	1.90	2.05	
% Lysine	.29	.31	
% Methionine	.10	.11	

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11
Hudson Carbon
67 Pinewood Road
Hudson, NY 12534
ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	0.87	1.93
ME, 1X	0.68	1.50
NEL, 3X	0.36	0.78
NEM, 3X	0.34	0.74
NEG, 3X	0.09	0.21
TDN1X, %	44	

Sample Description	Farm	Code	Sample
MMG PASTURE		012D	31236470
11			
Analysis Results			
Components	As Fed	DM	
% Moisture	5.6		
% Dry Matter	94.4		
% Crude Protein	8.6	9.1	
% Available Protein	6.5	6.8	
% ADICP	2.2	2.3	
% Adjusted Crude Protein	7.4	7.8	
Soluble Protein % CP		32	
Degradable Protein %CP		59	
% NDICP	3.6	3.8	
% ADF	47.2	50.0	
% aNDF	59.8	63.4	
% Lignin	14.5	15.4	
% NFC	13.1	13.8	
% Starch	.5	.6	
% WSC (Water Sol. Carbs.)	4.6	4.9	
% ESC (Simple Sugars)	1.8	1.9	
% Crude Fat	3.9	4.1	
% Ash	9.01	9.55	
% TDN	41	44	
NEL, (mcal/kg)	.81	.86	
NEM, (mcal/kg)	.65	.69	
NEG, (mcal/kg)	.15	.16	
Relative Feed Value		73	
% Calcium	1.63	1.73	
% Phosphorus	.14	.15	
% Magnesium	.17	.18	
% Potassium	.33	.35	
% Sulfur	.19	.20	
% Chloride Ion	.17	.18	
Horse DE, Mcal/kg	1.83	1.93	
% Lysine	.34	.36	
% Methionine	.12	.13	

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12
 Hudson Carbon
 67 Pinewood Road
 Hudson, NY 12534

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.01	2.23
ME, 1X	0.82	1.81
NEL, 3X	0.45	0.99
NEM, 3X	0.45	0.99
NEG, 3X	0.20	0.44
TDN1X, %	51	

Sample Description	Farm	Code	Sample
MMG PASTURE		012D	31236480
12			
Analysis Results			
Components	As Fed	DM	
% Moisture	6.7		
% Dry Matter	93.3		
% Crude Protein	7.2	7.7	
% Available Protein	5.8	6.2	
% ADICP	1.4	1.5	
% Adjusted Crude Protein	6.8	7.2	
Soluble Protein % CP		41	
Degradable Protein %CP		56	
% NDICP	3.1	3.3	
% ADF	46.6	50.0	
% aNDF	62.0	66.4	
% Lignin	11.2	12.0	
% NFC	15.3	16.4	
% Starch	.2	.2	
% WSC (Water Sol. Carbs.)	5.4	5.8	
% ESC (Simple Sugars)	2.9	3.1	
% Crude Fat	3.9	4.2	
% Ash	4.94	5.30	
% TDN	48	51	
NEL, (mcal/kg)	.89	.95	
NEM, (mcal/kg)	.88	.94	
NEG, (mcal/kg)	.37	.40	
Relative Feed Value		70	
% Calcium	1.17	1.25	
% Phosphorus	.14	.15	
% Magnesium	.21	.23	
% Potassium	.34	.36	
% Sulfur	.23	.25	
% Chloride Ion	.25	.27	
Horse DE,Mcal/kg	1.93	2.07	
% Lysine	.28	.30	
% Methionine	.10	.11	

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13
 Hudson Carbon
 67 Pinewood Road
 Hudson, NY 12534

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	0.98	2.15
ME, 1X	0.78	1.72
NEL, 3X	0.42	0.92
NEM, 3X	0.42	0.93
NEG, 3X	0.17	0.38
TDN1X, %	49	

Sample Description	Farm	Code	Sample
MMG PASTURE		012D	31236490
13			
Analysis Results			
Components	As Fed	DM	
% Moisture	5.6		
% Dry Matter	94.5		
% Crude Protein	8.2	8.6	
% Available Protein	6.9	7.3	
% ADICP	1.3	1.3	
% Adjusted Crude Protein	8.2	8.6	
Soluble Protein % CP		33	
Degradable Protein %CP		51	
% NDICP	4.3	4.5	
% ADF	44.3	46.9	
% aNDF	66.1	70.0	
% Lignin	9.7	10.2	
% NFC	11.1	11.7	
% Starch	.4	.4	
% WSC (Water Sol. Carbs.)	6.8	7.2	
% ESC (Simple Sugars)	2.6	2.7	
% Crude Fat	2.4	2.6	
% Ash	6.73	7.13	
% TDN	46	49	
NEL, (mcal/kg)	.79	.84	
NEM, (mcal/kg)	.78	.83	
NEG, (mcal/kg)	.27	.29	
Relative Feed Value		70	
% Calcium	1.00	1.06	
% Phosphorus	.19	.20	
% Magnesium	.19	.20	
% Potassium	.99	1.05	
% Sulfur	.21	.22	
% Chloride Ion	.59	.62	
Horse DE,Mcal/kg	1.76	1.87	
% Lysine	.32	.34	
% Methionine	.11	.12	

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14
Hudson Carbon
67 Pinewood Road
Hudson, NY 12534
ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	0.97	2.14
ME, 1X	0.78	1.71
NEL, 3X	0.42	0.92
NEM, 3X	0.42	0.92
NEG, 3X	0.17	0.37
TDN1X, %	49	

Sample Description	Farm	Code	Sample
MMG PASTURE		012D	31236500
14			
Analysis Results			
Components	As Fed	DM	
% Moisture	6.8		
% Dry Matter	93.2		
% Crude Protein	8.6	9.3	
% Available Protein	7.2	7.7	
% ADICP	1.5	1.6	
% Adjusted Crude Protein	8.1	8.7	
Soluble Protein % CP		40	
Degradable Protein %CP		56	
% NDICP	3.4	3.7	
% ADF	44.6	47.9	
% aNDF	63.1	67.7	
% Lignin	10.4	11.1	
% NFC	11.2	12.0	
% Starch	.2	.2	
% WSC (Water Sol. Carbs.)	4.5	4.8	
% ESC (Simple Sugars)	1.5	1.6	
% Crude Fat	3.1	3.4	
% Ash	7.12	7.64	
% TDN	45	49	
NEL, (mcal/kg)	.82	.88	
NEM, (mcal/kg)	.78	.83	
NEG, (mcal/kg)	.27	.30	
Relative Feed Value		71	
% Calcium	1.45	1.56	
% Phosphorus	.17	.18	
% Magnesium	.20	.21	
% Potassium	.15	.16	
% Sulfur	.25	.27	
% Chloride Ion	.11	.12	
Horse DE, Mcal/kg	1.78	1.91	
% Lysine	.34	.36	
% Methionine	.12	.13	

