

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
	12/07/18	12/10/18	

1028 C1
 STEFANO PINNA
 2674 JERSEY ST
 VERGENNES, VT 05491

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.03	2.26
ME, 1X	0.83	1.84
NEL, 3X	0.46	1.01
NEM, 3X	0.46	1.01
NEG, 3X	0.21	0.46
TDN1X, %	49	

COMMENTS:

1. WE VALUE YOUR FEEDBACK. PLEASE
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 BE ENTERED TO WIN A \$100 VISA
 GIFT CARD!

*** THE LAB WILL BE CLOSED
 TUESDAY, DECEMBER 25TH, 2018 &
 TUESDAY, JANUARY 1ST, 2019 ***

Sample Description	Farm	Code	Sample
MMG PASTURE		012	25420690
1028 C1			
Analysis Results			
Components	As Fed	DM	
% Moisture	77.6		
% Dry Matter	22.4		
% Crude Protein	3.7	16.3	
% Available Protein	3.4	15.2	
% ADICP	.3	1.2	
% Adjusted Crude Protein	3.7	16.3	
Soluble Protein % CP		28	
Degradable Protein % CP		67	
% NDICP	1.1	5.1	
% ADF	8.1	36.2	
% aNDFom	13.5	60.4	
% Lignin	2.4	10.6	
% NFC	1.4	6.2	
% Starch	1.1	4.8	
% WSC (Water Sol. Carbs.)	1.0	4.4	
% ESC (Simple Sugars)	.0	.2	
% Crude Fat	1.0	4.4	
% Total Fatty Acids	.50	2.23	
% C18:1, Oleic	.03	.13	
% C18:2, Linoleic	.06	.26	
% C18:3, Linolenic	.16	.71	
% RUFAL	.25	1.10	
% Ash	2.86	12.77	
% TDN	11	49	
NEL, Mcal/Lb	.10	.45	
NEM, Mcal/Lb	.09	.40	
NEG, Mcal/Lb	.03	.15	
Relative Feed Value		94	
% Calcium	.12	.52	
% Phosphorus	.09	.38	
% Magnesium	.09	.42	
% Potassium	.49	2.18	
% Sulfur	.04	.16	
% Chloride Ion	.19	.86	
% Lysine	.14	.63	
% Methionine	.05	.22	
Horse DE, Mcal/Lb	.19	.85	
% uNDFom 30hr		34.6	
% uNDFom 120hr		29.2	
% uNDFom 240hr		26.2	
NDFDom 30hr, % of NDF		42.7	
NDFDom 120hr, % of NDF		51.6	
NDFDom 240hr, % of NDF		56.6	

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Sampled	Recvd	Printed	ST/CO
	12/07/18	12/10/18	

1020 C2
 STEFANO PINNA
 2674 JERSEY ST
 VERGENNES, VT 05491

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	0.58	1.29
NEG, 3X	0.33	0.72
TDN1X, %	57	

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Sample Description	Farm	Code	Sample
MMG PASTURE		012	25420700
1020 C2			
Analysis Results			
Components	As Fed	DM	
% Moisture	55.7		
% Dry Matter	44.3		
% Crude Protein	7.4	16.8	
% Available Protein	7.1	15.9	
% ADICP	.4	.8	
% Adjusted Crude Protein	7.4	16.8	
Soluble Protein % CP		35	
Degradable Protein % CP		55	
% NDICP	2.1	4.7	
% ADF	16.3	36.8	
% aNDFom	25.3	57.1	
% Lignin	3.3	7.4	
% NFC	5.4	12.2	
% Starch	<0.1	.2	
% WSC (Water Sol. Carbs.)	3.7	8.3	
% ESC (Simple Sugars)	1.8	4.1	
% Crude Fat	1.9	4.3	
% Total Fatty Acids	.49	1.11	
% C18:1, Oleic	.01	.03	
% C18:2, Linoleic	.00	.01	
% C18:3, Linolenic	.22	.50	
% RUFAL	.24	.54	
% Ash	4.30	9.70	
% TDN	25	57	
NEL, Mcal/Lb	.24	.54	
NEM, Mcal/Lb	.23	.53	
NEG, Mcal/Lb	.12	.27	
Relative Feed Value		98	
% Calcium	.27	.62	
% Phosphorus	.16	.36	
% Magnesium	.08	.19	
% Potassium	.68	1.53	
% Sulfur	.11	.24	
% Chloride Ion	.09	.21	
% Lysine	.29	.65	
% Methionine	.10	.23	
Horse DE, Mcal/Lb	.42	.95	
% uNDFom 30hr		32.9	
% uNDFom 120hr		22.4	
% uNDFom 240hr		21.2	
NDFDom 30hr, % of NDF		42.3	
NDFDom 120hr, % of NDF		60.7	
NDFDom 240hr, % of NDF		62.8	

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105 C2
 STEFANO PINNA
 2674 JERSEY ST
 VERGENNES, VT 05491

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.26	2.78
ME, 1X	1.07	2.36
NEL, 3X	0.61	1.35
NEM, 3X	0.64	1.41
NEG, 3X	0.37	0.83
TDN1X, %	61	

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Sample Description	Farm	Code	Sample
MMG PASTURE		012	25420710
105 C2			
Analysis Results			
Components	As Fed	DM	
% Moisture	61.9		
% Dry Matter	38.1		
% Crude Protein	6.9	18.2	
% Available Protein	6.4	16.8	
% ADICP	.5	1.4	
% Adjusted Crude Protein	6.9	18.2	
Soluble Protein % CP		37	
Degradable Protein%CP		69	
% NDICP	2.6	6.8	
% ADF	13.1	34.3	
% aNDFom	21.8	57.2	
% Lignin	1.7	4.4	
% NFC	4.2	11.1	
% Starch	.2	.7	
% WSC (Water Sol. Carbs.)	3.8	9.9	
% ESC (Simple Sugars)	2.0	5.3	
% Crude Fat	1.4	3.7	
% Total Fatty Acids	.39	1.02	
% C18:1, Oleic	.01	.03	
% C18:2, Linoleic	.00	.01	
% C18:3, Linolenic	.17	.45	
% RUFAL	.19	.49	
% Ash	3.75	9.84	
% TDN	23	61	
NEL, Mcal/Lb	.22	.57	
NEM, Mcal/Lb	.22	.58	
NEG, Mcal/Lb	.12	.32	
Relative Feed Value		101	
% Calcium	.17	.44	
% Phosphorus	.11	.30	
% Magnesium	.09	.23	
% Potassium	.70	1.83	
% Sulfur	.11	.28	
% Chloride Ion	.09	.23	
% Lysine	.27	.71	
% Methionine	.10	.25	
Horse DE, Mcal/Lb	.36	.94	
% uNDFom 30hr		29.1	
% uNDFom 120hr		21.1	
% uNDFom 240hr		19.1	
NDFDom 30hr, % of NDF		49.2	
NDFDom 120hr, % of NDF		63.2	
NDFDom 240hr, % of NDF		66.6	

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EXT
STEFANO PINNA
2674 JERSEY ST
VERGENNES, VT 05491

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.09	2.40
ME, 1X	0.90	1.98
NEL, 3X	0.50	1.09
NEM, 3X	0.51	1.12
NEG, 3X	0.26	0.56
TDN1X, %	54	

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Sample Description	Farm	Code	Sample
MMG PASTURE		012	25420720
EXT			
Analysis Results			
Components	As Fed	DM	
% Moisture	52.0		
% Dry Matter	48.0		
% Crude Protein	5.8	12.1	
% Available Protein	5.1	10.7	
% ADICP	.7	1.4	
% Adjusted Crude Protein	5.8	12.1	
Soluble Protein % CP		30	
Degradable Protein % CP		56	
% NDICP	2.1	4.4	
% ADF	19.4	40.5	
% aNDFom	30.6	63.7	
% Lignin	3.6	7.6	
% NFC	5.0	10.5	
% Starch	.6	1.3	
% WSC (Water Sol. Carbs.)	3.6	7.5	
% ESC (Simple Sugars)	2.0	4.1	
% Crude Fat	1.9	3.9	
% Total Fatty Acids	.37	.78	
% C18:1, Oleic	.01	.03	
% C18:2, Linoleic	.00	.01	
% C18:3, Linolenic	.21	.43	
% RUFAL	.23	.47	
% Ash	4.64	9.68	
% TDN	26	54	
NEL, Mcal/Lb	.23	.47	
NEM, Mcal/Lb	.22	.47	
NEG, Mcal/Lb	.10	.22	
Relative Feed Value		84	
% Calcium	.33	.68	
% Phosphorus	.14	.30	
% Magnesium	.06	.13	
% Potassium	.67	1.40	
% Sulfur	.14	.30	
% Chloride Ion	.10	.21	
% Lysine	.23	.47	
% Methionine	.08	.17	
Horse DE, Mcal/Lb	.42	.88	
% uNDFom 30hr		41.1	
% uNDFom 120hr		27.2	
% uNDFom 240hr		26.4	
NDFDom 30hr, % of NDF		35.5	
NDFDom 120hr, % of NDF		57.3	
NDFDom 240hr, % of NDF		58.6	

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917 C1
 STEFANO PINNA
 2674 JERSEY ST
 VERGENNES, VT 05491

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.16	2.55
ME, 1X	0.97	2.13
NEL, 3X	0.54	1.20
NEM, 3X	0.56	1.24
NEG, 3X	0.30	0.67
TDN1X, %	55	

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Sample Description	Farm	Code	Sample
MMG PASTURE		012	25420730
917 C1			
Analysis Results			
Components	As Fed	DM	
% Moisture	61.1		
% Dry Matter	38.9		
% Crude Protein	6.9	17.7	
% Available Protein	6.7	17.3	
% ADICP	.1	.4	
% Adjusted Crude Protein	6.9	17.7	
Soluble Protein % CP		36	
Degradable Protein % CP		64	
% NDICP	2.1	5.4	
% ADF	15.3	39.4	
% aNDFom	24.1	62.1	
% Lignin	3.1	8.0	
% NFC	2.1	5.5	
% Starch	.2	.6	
% WSC (Water Sol. Carbs.)	1.9	4.9	
% ESC (Simple Sugars)	.5	1.4	
% Crude Fat	1.7	4.5	
% Total Fatty Acids	.47	1.21	
% C18:1, Oleic	.01	.03	
% C18:2, Linoleic	.00	.01	
% C18:3, Linolenic	.23	.59	
% RUFAL	.24	.63	
% Ash	4.00	10.29	
% TDN	21	55	
NEL, Mcal/Lb	.19	.50	
NEM, Mcal/Lb	.19	.49	
NEG, Mcal/Lb	.09	.24	
Relative Feed Value		87	
% Calcium	.17	.45	
% Phosphorus	.12	.31	
% Magnesium	.07	.19	
% Potassium	.61	1.58	
% Sulfur	.09	.23	
% Chloride Ion	.19	.50	
% Lysine	.27	.69	
% Methionine	.09	.24	
Horse DE, Mcal/Lb	.34	.87	
% uNDFom 30hr		35.2	
% uNDFom 120hr		25.4	
% uNDFom 240hr		24.5	
NDFDom 30hr, % of NDF		43.3	
NDFDom 120hr, % of NDF		59.0	
NDFDom 240hr, % of NDF		60.5	

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105C1
STEFANO PINNA
2674 JERSEY ST
VERGENNES, VT 05491

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.11	2.44
ME, 1X	0.92	2.02
NEL, 3X	0.51	1.12
NEM, 3X	0.52	1.16
NEG, 3X	0.27	0.59
TDN1X, %	54	

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Sample Description	Farm	Code	Sample
MMG PASTURE		012	25420740
105C1			
Analysis Results			
Components	As Fed	DM	
% Moisture	62.2		
% Dry Matter	37.8		
% Crude Protein	5.4	14.4	
% Available Protein	5.0	13.2	
% ADICP	.5	1.2	
% Adjusted Crude Protein	5.4	14.4	
Soluble Protein % CP		31	
Degradable Protein % CP		70	
% NDICP	1.4	3.7	
% ADF	11.2	29.7	
% aNDFom	19.1	50.5	
% Lignin	3.2	8.4	
% NFC	7.7	20.4	
% Starch	2.1	5.5	
% WSC (Water Sol. Carbs.)	2.0	5.4	
% ESC (Simple Sugars)	1.1	2.8	
% Crude Fat	1.2	3.2	
% Total Fatty Acids	.83	2.20	
% C18:1, Oleic	.05	.14	
% C18:2, Linoleic	.11	.28	
% C18:3, Linolenic	.23	.61	
% RUFAL	.39	1.03	
% Ash	4.42	11.68	
% TDN	20	54	
NEL, Mcal/Lb	.20	.54	
NEM, Mcal/Lb	.18	.48	
NEG, Mcal/Lb	.09	.23	
Relative Feed Value		121	
% Calcium	.28	.74	
% Phosphorus	.12	.32	
% Magnesium	.15	.39	
% Potassium	1.10	2.90	
% Sulfur	.03	.09	
% Chloride Ion	.36	.94	
% Lysine	.21	.56	
% Methionine	.07	.20	
Horse DE, Mcal/Lb	.38	.99	
% uNDFom 30hr		31.5	
% uNDFom 120hr		29.0	
% uNDFom 240hr		27.7	
NDFDom 30hr, % of NDF		37.6	
NDFDom 120hr, % of NDF		42.5	
NDFDom 240hr, % of NDF		45.2	

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	12/07/18	12/10/18		

917C2
 STEFANO PINNA
 2674 JERSEY ST
 VERGENNES, VT 05491

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.14	2.52
ME, 1X	0.95	2.10
NEL, 3X	0.53	1.17
NEM, 3X	0.55	1.21
NEG, 3X	0.29	0.65
TDN1X, %	55	

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Sample Description	Farm	Code	Sample
MMG PASTURE		012	25420750
917C2			
Analysis Results			
Components	As Fed	DM	
% Moisture	58.3		
% Dry Matter	41.7		
% Crude Protein	6.8	16.3	
% Available Protein	6.5	15.5	
% ADICP	.3	.8	
% Adjusted Crude Protein	6.8	16.3	
Soluble Protein % CP		34	
Degradable Protein % CP		69	
% NDICP	2.1	5.1	
% ADF	16.4	39.3	
% aNDFom	25.7	61.7	
% Lignin	3.0	7.1	
% NFC	3.4	8.2	
% Starch	.8	1.8	
% WSC (Water Sol. Carbs.)	2.6	6.3	
% ESC (Simple Sugars)	.9	2.3	
% Crude Fat	1.5	3.6	
% Total Fatty Acids	.38	.91	
% C18:1, Oleic	.01	.03	
% C18:2, Linoleic	.00	.01	
% C18:3, Linolenic	.21	.50	
% RUFAL	.23	.54	
% Ash	4.25	10.18	
% TDN	23	55	
NEL, Mcal/Lb	.21	.49	
NEM, Mcal/Lb	.20	.48	
NEG, Mcal/Lb	.10	.23	
Relative Feed Value		88	
% Calcium	.23	.55	
% Phosphorus	.16	.38	
% Magnesium	.08	.19	
% Potassium	.57	1.37	
% Sulfur	.11	.27	
% Chloride Ion	.09	.22	
% Lysine	.26	.63	
% Methionine	.09	.22	
Horse DE, Mcal/Lb	.37	.88	
% uNDFom 30hr		35.7	
% uNDFom 120hr		24.5	
% uNDFom 240hr		23.2	
NDFDom 30hr, % of NDF		42.2	
NDFDom 120hr, % of NDF		60.3	
NDFDom 240hr, % of NDF		62.5	

FORAGE TESTING LABORATORY

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Sample Description	Farm	Code	Sample
MMG PASTURE		012	25420760
828C12			

Sampled	Recvd	Printed	ST	CO
	12/07/18	12/10/18		

828C12
STEFANO PINNA
2674 JERSEY ST
VERGENNES, VT 05491

Analysis Results			
Components	As Fed	DM	
% Moisture	46.7		
% Dry Matter	53.3		
% Crude Protein	5.3	9.9	
% Available Protein	4.4	8.2	
% ADICP	.9	1.7	
% Adjusted Crude Protein	4.9	9.2	
Soluble Protein % CP		30	
Degradable Protein%CP		58	
% NDICP	1.3	2.4	
% ADF	19.5	36.5	
% aNDFom	31.2	58.4	
% Lignin	4.3	8.1	
% NFC	11.4	21.3	
% Starch	1.2	2.2	
% WSC (Water Sol. Carbs.)	4.0	7.6	
% ESC (Simple Sugars)	2.3	4.2	
% Crude Fat	1.8	3.3	
% Total Fatty Acids	.89	1.67	
% C18:1, Oleic	.02	.04	
% C18:2, Linoleic	.07	.13	
% C18:3, Linolenic	.23	.43	
% RUFAL	.32	.60	
% Ash	3.78	7.09	
% TDN	30	56	
NEL, Mcal/Lb	.28	.52	
NEM, Mcal/Lb	.26	.50	
NEG, Mcal/Lb	.13	.24	
Relative Feed Value		96	
% Calcium	.54	1.01	
% Phosphorus	.14	.27	
% Magnesium	.13	.24	
% Potassium	.85	1.60	
% Sulfur	.10	.19	
% Chloride Ion	.26	.49	
% Lysine	.20	.38	
% Methionine	.07	.14	
Horse DE, Mcal/Lb	.54	1.01	
% uNDFom 30hr		39.7	
% uNDFom 120hr		32.5	
% uNDFom 240hr		29.0	
NDFDom 30hr, % of NDF		32.1	
NDFDom 120hr, % of NDF		44.5	
NDFDom 240hr, % of NDF		50.3	

ENERGY TABLE - NRC 2001		
	Mcal/Lb	Mcal/Kg
DE, 1X	1.11	2.44
ME, 1X	0.92	2.02
NEL, 3X	0.51	1.12
NEM, 3X	0.52	1.16
NEG, 3X	0.27	0.59
TDN1X, %	56	

COMMENTS:

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