

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 |  
 MMG PASTURE | | 012 | 25420690 |  
 -----  
 1028 C1

Analysis Results

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

1028 C1  
 STEFANO PINNA  
 2674 JERSEY ST  
 VERGENNES, VT 05491

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

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  
 GO TO FORAGESURVEY.DAIRYONE.COM  
 TO TAKE OUR CUSTOMER SURVEY AND  
 BE ENTERED TO WIN A \$100 VISA  
 GIFT CARD!

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

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 730 WARREN ROAD  
 ITHACA, NEW YORK 14850  
 607-257-1272 (fax 607-257-1350)

Sample Description | Farm | Code | Sample |  
 MMG PASTURE | | 012 | 25420700 |  
 -----  
 1020 C2

Analysis Results

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

1020 C2  
 STEFANO PINNA  
 2674 JERSEY ST  
 VERGENNES, VT 05491

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

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	

COMMENTS:  
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 730 WARREN ROAD  
 ITHACA, NEW YORK 14850  
 607-257-1272 (fax 607-257-1350)

Sample Description | Farm | Code | Sample |  
 MMG PASTURE | | 012 | 25420710 |  
 -----  
 105 C2

Analysis Results

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

105 C2  
 STEFANO PINNA  
 2674 JERSEY ST  
 VERGENNES, VT 05491

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

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	

COMMENTS:

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 730 WARREN ROAD  
 ITHACA, NEW YORK 14850  
 607-257-1272 (fax 607-257-1350)

-----  
 |Sample Description |Farm|Code| Sample |  
 |MMG PASTURE | |012 |25420720|  
 -----  
 |EXT |

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Analysis Results

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

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 EXT  
 STEFANO PINNA  
 2674 JERSEY ST  
 VERGENNES, VT 05491

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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 ENERGY TABLE - NRC 2001  
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	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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 730 WARREN ROAD  
 ITHACA, NEW YORK 14850  
 607-257-1272 (fax 607-257-1350)

Sample Description | Farm Code | Sample  
 MMG PASTURE | 012 | 25420730  
 917 C1

Analysis Results

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

917 C1  
 STEFANO PINNA  
 2674 JERSEY ST  
 VERGENNES, VT 05491

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

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	

COMMENTS:

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 730 WARREN ROAD  
 ITHACA, NEW YORK 14850  
 607-257-1272 (fax 607-257-1350)

Sample Description | Farm | Code | Sample |  
 MMG PASTURE | | 012 | 25420740 |  
 -----  
 105C1

Analysis Results

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

105C1  
 STEFANO PINNA  
 2674 JERSEY ST  
 VERGENNES, VT 05491

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

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	

COMMENTS:

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 730 WARREN ROAD  
 ITHACA, NEW YORK 14850  
 607-257-1272 (fax 607-257-1350)

Sample Description | Farm Code | Sample  
 MMG PASTURE | 012 | 25420750  
 917C2

Analysis Results

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

917C2  
 STEFANO PINNA  
 2674 JERSEY ST  
 VERGENNES, VT 05491

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

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	

COMMENTS:

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 730 WARREN ROAD  
 ITHACA, NEW YORK 14850  
 607-257-1272 (fax 607-257-1350)

Sample Description | Farm | Code | Sample |  
 MMG PASTURE | | 012 | 25420760 |  
 -----  
 828C12

Analysis Results

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

828C12  
 STEFANO PINNA  
 2674 JERSEY ST  
 VERGENNES, VT 05491

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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