

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	24354320
A2			

 |Sampled | Recvd |Printed |ST|CO|
 | | |11/16/17|11/16/17| | |

SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

 Analysis Results

Components	As Fed	DM
% Moisture	58.9	
% Dry Matter	41.1	
% Crude Protein	5.0	12.2
% Available Protein	4.3	10.5
% ADICP	.7	1.6
% Adjusted Crude Protein	4.7	11.5
Soluble Protein % CP		31
Degradable Protein%CP		58
% NDICP	1.7	4.3
% ADF	14.5	35.4
% aNDF	24.2	59.0
% Lignin	2.4	5.8
% NFC	6.9	16.9
% Starch	1.4	3.5
% WSC (Water Sol. Carbs.)	4.6	11.3
% ESC (Simple Sugars)	3.1	7.5
% Crude Fat	1.3	3.1
% Ash	3.68	8.95
% TDN	24	57
NEL, Mcal/Lb	.22	.53
NEM, Mcal/Lb	.21	.52
NEG, Mcal/Lb	.11	.26
Relative Feed Value		97
% Calcium	.32	.77
% Phosphorus	.11	.26
% Magnesium	.12	.28
% Potassium	.61	1.49
% Sulfur	.10	.25
% Chloride Ion	.12	.28
% Lysine	.19	.47
% Methionine	.07	.17
Horse DE, Mcal/Lb	.39	.95

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.15	2.54
ME, 1X	0.96	2.12
NEL, 3X	0.54	1.19
NEM, 3X	0.56	1.23
NEG, 3X	0.30	0.67
TDN1X, %	57	

*** THE FORAGE LAB WILL BE CLOSED
 THURSDAY, NOVEMBER 23RD & 24TH FOR
 THE THANKSGIVING HOLIDAY ***

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 | 24354340

B2

Analysis Results

Sampled | Recvd | Printed | ST | CO
 | 11/16/17 | 11/16/17 | | |

SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

Components	As Fed	DM
% Moisture	68.8	
% Dry Matter	31.2	
% Crude Protein	4.7	15.2
% Available Protein	4.2	13.6
% ADICP	.5	1.5
% Adjusted Crude Protein	4.6	14.6
Soluble Protein % CP		42
Degradable Protein % CP		67
% NDICP	1.0	3.1
% ADF	9.6	30.7
% aNDF	17.3	55.3
% Lignin	1.6	5.0
% NFC	5.2	16.8
% Starch	.5	1.7
% WSC (Water Sol. Carbs.)	4.2	13.4
% ESC (Simple Sugars)	2.8	9.0
% Crude Fat	1.2	3.7
% Ash	2.81	9.01
% TDN	19	60
NEL, Mcal/Lb	.18	.58
NEM, Mcal/Lb	.18	.57
NEG, Mcal/Lb	.10	.31
Relative Feed Value		109
% Calcium	.21	.68
% Phosphorus	.07	.21
% Magnesium	.08	.27
% Potassium	.46	1.49
% Sulfur	.08	.25
% Chloride Ion	.12	.37
% Lysine	.18	.59
% Methionine	.06	.21
Horse DE, Mcal/Lb	.31	1.00

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.23	2.70
ME, 1X	1.04	2.28
NEL, 3X	0.59	1.30
NEM, 3X	0.61	1.35
NEG, 3X	0.35	0.78
TDN1X, %	60	

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DAIRY ONE, INC.
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Sample Description | Farm | Code | Sample
 MMG PASTURE | | 012 | 24354350

C1

Analysis Results

Sampled | Recvd | Printed | ST | CO
 | 11/16/17 | 11/16/17 | | |

SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

Components	As Fed	DM
% Moisture	64.1	
% Dry Matter	35.9	
% Crude Protein	4.5	12.5
% Available Protein	3.7	10.3
% ADICP	.8	2.2
% Adjusted Crude Protein	4.1	11.3
Soluble Protein % CP		32
Degradable Protein % CP		57
% NDICP	1.1	3.0
% ADF	12.1	33.8
% aNDF	20.2	56.2
% Lignin	2.5	6.9
% NFC	6.9	19.2
% Starch	1.1	3.0
% WSC (Water Sol. Carbs.)	5.3	14.8
% ESC (Simple Sugars)	3.2	8.9
% Crude Fat	1.3	3.6
% Ash	3.03	8.43
% TDN	20	57
NEL, Mcal/Lb	.19	.54
NEM, Mcal/Lb	.19	.52
NEG, Mcal/Lb	.09	.26
Relative Feed Value		103
% Calcium	.28	.78
% Phosphorus	.09	.24
% Magnesium	.09	.25
% Potassium	.55	1.53
% Sulfur	.09	.24
% Chloride Ion	.10	.28
% Lysine	.18	.49
% Methionine	.06	.17
Horse DE, Mcal/Lb	.36	1.00

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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Sample Description | Farm | Code | Sample
 MMG PASTURE | | 012 | 24354360

C2

Analysis Results

Sampled | Recvd | Printed | ST | CO
 | 11/16/17 | 11/16/17 | | |

SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

Components	As Fed	DM
% Moisture	66.0	
% Dry Matter	34.0	
% Crude Protein	4.1	12.0
% Available Protein	3.5	10.4
% ADICP	.5	1.6
% Adjusted Crude Protein	3.9	11.4
Soluble Protein % CP		31
Degradable Protein % CP		60
% NDICP	1.4	4.0
% ADF	11.5	33.9
% aNDF	19.6	57.7
% Lignin	2.0	5.8
% NFC	5.9	17.3
% Starch	1.2	3.7
% WSC (Water Sol. Carbs.)	4.0	11.7
% ESC (Simple Sugars)	2.9	8.4
% Crude Fat	1.2	3.4
% Ash	3.26	9.61
% TDN	19	57
NEL, Mcal/Lb	.18	.54
NEM, Mcal/Lb	.18	.52
NEG, Mcal/Lb	.09	.27
Relative Feed Value		101
% Calcium	.24	.70
% Phosphorus	.10	.28
% Magnesium	.10	.28
% Potassium	.49	1.45
% Sulfur	.07	.22
% Chloride Ion	.10	.30
% Lysine	.16	.47
% Methionine	.06	.16
Horse DE, Mcal/Lb	.33	.96

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, %	57	

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Sample Description | Farm | Code | Sample
 MMG PASTURE | | 012 | 24354400

E2

Analysis Results

Sampled | Recvd | Printed | ST | CO
 | 11/16/17 | 11/16/17 | | |

SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

Components	As Fed	DM
% Moisture	38.9	
% Dry Matter	61.1	
% Crude Protein	10.8	17.6
% Available Protein	10.1	16.5
% ADICP	.7	1.1
% Adjusted Crude Protein	10.8	17.6
Soluble Protein % CP		35
Degradable Protein % CP		71
% NDICP	2.6	4.3
% ADF	18.1	29.5
% aNDF	31.1	50.9
% Lignin	2.2	3.6
% NFC	10.6	17.4
% Starch	.5	.8
% WSC (Water Sol. Carbs.)	8.5	14.0
% ESC (Simple Sugars)	6.2	10.2
% Crude Fat	2.6	4.3
% Ash	6.01	9.84
% TDN	39	64
NEL, Mcal/Lb	.39	.64
NEM, Mcal/Lb	.39	.64
NEG, Mcal/Lb	.23	.38
Relative Feed Value		120
% Calcium	.33	.54
% Phosphorus	.20	.33
% Magnesium	.15	.25
% Potassium	1.50	2.45
% Sulfur	.15	.25
% Chloride Ion	.29	.47
% Lysine	.42	.69
% Methionine	.15	.24
Horse DE, Mcal/Lb	.63	1.03

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.33	2.92
ME, 1X	1.14	2.51
NEL, 3X	0.66	1.45
NEM, 3X	0.69	1.52
NEG, 3X	0.42	0.92
TDN1X, %	64	

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Sample Description	Farm	Code	Sample
MMG PASTURE		012	24354410
F1			

Analysis Results

Sampled	Recvd	Printed	ST	CO
	11/16/17	11/16/17		

SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

Components	As Fed	DM
% Moisture	62.0	
% Dry Matter	38.0	
% Crude Protein	4.5	11.9
% Available Protein	3.8	10.0
% ADICP	.7	1.9
% Adjusted Crude Protein	4.2	11.0
Soluble Protein % CP		27
Degradable Protein%CP		58
% NDICP	1.1	2.8
% ADF	11.2	29.6
% aNDF	19.3	50.9
% Lignin	2.2	5.9
% NFC	10.2	26.7
% Starch	1.6	4.1
% WSC (Water Sol. Carbs.)	6.4	16.9
% ESC (Simple Sugars)	3.8	10.0
% Crude Fat	1.3	3.6
% Ash	2.62	6.89
% TDN	23	61
NEL, Mcal/Lb	.23	.61
NEM, Mcal/Lb	.23	.59
NEG, Mcal/Lb	.13	.33
Relative Feed Value		120
% Calcium	.25	.66
% Phosphorus	.08	.22
% Magnesium	.13	.35
% Potassium	.48	1.27
% Sulfur	.09	.23
% Chloride Ion	.14	.36
% Lysine	.18	.46
% Methionine	.06	.16
Horse DE, Mcal/Lb	.42	1.10

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.23	2.71
ME, 1X	1.04	2.29
NEL, 3X	0.59	1.30
NEM, 3X	0.62	1.36
NEG, 3X	0.35	0.78
TDN1X, %	61	

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 |Sample Description |Farm|Code| Sample |
 |MMG PASTURE | |012 |24354420|

 |F2 |

 |Sampled | Recvd |Printed |ST|CO|
 | |11/16/17|11/16/17| | |

Analysis Results
Components

SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

% Moisture	59.1	
% Dry Matter	40.9	
% Crude Protein	5.4	13.1
% Available Protein	4.8	11.8
% ADICP	.6	1.4

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.27	2.79
ME, 1X	1.08	2.37
NEL, 3X	0.61	1.35
NEM, 3X	0.64	1.42
NEG, 3X	0.38	0.83

TDN1X, %	63	

% Adjusted Crude Protein	5.4	13.1
Soluble Protein % CP		34
Degradable Protein%CP		64
% NDICP	1.3	3.2
% ADF	12.1	29.6
% aNDF	22.0	53.7
% Lignin	1.7	4.2
% NFC	8.7	21.3
% Starch	1.4	3.5
% WSC (Water Sol. Carbs.)	5.8	14.1
% ESC (Simple Sugars)	4.2	10.3
% Crude Fat	1.5	3.6
% Ash	3.35	8.20
% TDN	26	63
NEL, Mcal/Lb	.25	.61
NEM, Mcal/Lb	.25	.61
NEG, Mcal/Lb	.14	.35
Relative Feed Value		114
% Calcium	.25	.60
% Phosphorus	.09	.22
% Magnesium	.13	.31
% Potassium	.55	1.35
% Sulfur	.08	.20
% Chloride Ion	.12	.30
% Lysine	.21	.51
% Methionine	.07	.18
Horse DE, Mcal/Lb	.43	1.04

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Sample Description | Farm | Code | Sample
 MMG PASTURE | | 012 | 24354430

G1

Analysis Results

Sampled | Recvd | Printed | ST | CO
 | 11/16/17 | 11/16/17 | | |

SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

Components	As Fed	DM
% Moisture	60.4	
% Dry Matter	39.6	
% Crude Protein	5.5	13.9
% Available Protein	4.9	12.3
% ADICP	.7	1.7
% Adjusted Crude Protein	5.3	13.3
Soluble Protein % CP		35
Degradable Protein % CP		65
% NDICP	1.3	3.4
% ADF	12.1	30.6
% aNDF	21.1	53.3
% Lignin	2.2	5.4
% NFC	8.5	21.3
% Starch	1.4	3.4
% WSC (Water Sol. Carbs.)	5.4	13.5
% ESC (Simple Sugars)	3.7	9.4
% Crude Fat	1.4	3.5
% Ash	3.17	7.99
% TDN	24	61
NEL, Mcal/Lb	.23	.59
NEM, Mcal/Lb	.23	.58
NEG, Mcal/Lb	.13	.32
Relative Feed Value		114
% Calcium	.28	.70
% Phosphorus	.10	.25
% Magnesium	.13	.32
% Potassium	.59	1.50
% Sulfur	.09	.23
% Chloride Ion	.13	.32
% Lysine	.21	.54
% Methionine	.08	.19
Horse DE, Mcal/Lb	.41	1.04

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.23	2.71
ME, 1X	1.04	2.29
NEL, 3X	0.59	1.30
NEM, 3X	0.62	1.36
NEG, 3X	0.35	0.78
TDN1X, %	61	

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Sample Description	Farm	Code	Sample
MMG PASTURE		012	24354440
G2			

 |Sampled | Recvd |Printed |ST|CO|
 | | |11/16/17|11/16/17| | |

SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

 Analysis Results

Components	As Fed	DM
% Moisture	60.9	
% Dry Matter	39.1	
% Crude Protein	5.6	14.2
% Available Protein	4.9	12.6
% ADICP	.6	1.6
% Adjusted Crude Protein	5.3	13.6
Soluble Protein % CP		45
Degradable Protein%CP		68
% NDICP	1.3	3.4
% ADF	11.9	30.5
% aNDF	19.6	50.2
% Lignin	1.8	4.6
% NFC	9.5	24.4
% Starch	1.2	3.1
% WSC (Water Sol. Carbs.)	6.3	16.1
% ESC (Simple Sugars)	4.3	10.9
% Crude Fat	1.3	3.3
% Ash	3.08	7.88
% TDN	25	63
NEL, Mcal/Lb	.24	.62
NEM, Mcal/Lb	.24	.61
NEG, Mcal/Lb	.14	.35
Relative Feed Value		121
% Calcium	.25	.65
% Phosphorus	.10	.25
% Magnesium	.09	.23
% Potassium	.62	1.58
% Sulfur	.10	.26
% Chloride Ion	.16	.42
% Lysine	.22	.55
% Methionine	.08	.20
Horse DE, Mcal/Lb	.42	1.08

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.27	2.80
ME, 1X	1.08	2.38
NEL, 3X	0.62	1.36
NEM, 3X	0.65	1.43
NEG, 3X	0.38	0.84
TDN1X, %	63	

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FORAGE TESTING LABORATORY

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Sample Description | Farm | Code | Sample
 MMG PASTURE | | 012 | 24354450

H1

Analysis Results

Sampled | Recvd | Printed | ST | CO
 | 11/16/17 | 11/16/17 | | |

SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

Components	As Fed	DM
% Moisture	57.0	
% Dry Matter	43.0	
% Crude Protein	6.1	14.2
% Available Protein	5.4	12.6
% ADICP	.7	1.6
% Adjusted Crude Protein	5.8	13.6
Soluble Protein % CP		36
Degradable Protein % CP		65
% NDICP	1.4	3.3
% ADF	12.4	28.9
% aNDF	22.1	51.4
% Lignin	2.2	5.2
% NFC	9.9	23.1
% Starch	2.2	5.1
% WSC (Water Sol. Carbs.)	6.5	15.1
% ESC (Simple Sugars)	4.2	9.9
% Crude Fat	1.6	3.7
% Ash	3.27	7.61
% TDN	27	62
NEL, Mcal/Lb	.26	.62
NEM, Mcal/Lb	.26	.61
NEG, Mcal/Lb	.15	.34
Relative Feed Value		120
% Calcium	.35	.82
% Phosphorus	.10	.24
% Magnesium	.14	.33
% Potassium	.63	1.46
% Sulfur	.11	.25
% Chloride Ion	.12	.28
% Lysine	.24	.55
% Methionine	.08	.19
Horse DE, Mcal/Lb	.46	1.08

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	0.38	0.83
TDN1X, %	62	

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Sample Description | Farm | Code | Sample
 MMG PASTURE | | 012 | 24354460

H2

Analysis Results

Sampled | Recvd | Printed | ST | CO
 | 11/16/17 | 11/16/17 | | |

SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

Components	As Fed	DM
% Moisture	60.7	
% Dry Matter	39.3	
% Crude Protein	4.7	12.0
% Available Protein	3.9	10.0
% ADICP	.8	2.0
% Adjusted Crude Protein	4.3	11.0
Soluble Protein % CP		27
Degradable Protein % CP		62
% NDICP	1.4	3.6
% ADF	12.8	32.6
% aNDF	20.9	53.2
% Lignin	3.1	7.9
% NFC	9.4	23.9
% Starch	1.9	4.9
% WSC (Water Sol. Carbs.)	5.7	14.4
% ESC (Simple Sugars)	3.6	9.1
% Crude Fat	1.3	3.2
% Ash	3.01	7.65
% TDN	22	57
NEL, Mcal/Lb	.22	.55
NEM, Mcal/Lb	.20	.52
NEG, Mcal/Lb	.11	.27
Relative Feed Value		111
% Calcium	.23	.59
% Phosphorus	.13	.33
% Magnesium	.13	.34
% Potassium	.57	1.45
% Sulfur	.08	.20
% Chloride Ion	.12	.31
% Lysine	.18	.47
% Methionine	.06	.16
Horse DE, Mcal/Lb	.41	1.05

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.15	2.53
ME, 1X	0.95	2.10
NEL, 3X	0.53	1.17
NEM, 3X	0.55	1.22
NEG, 3X	0.30	0.65
TDN1X, %	57	

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Sample Description | Farm | Code | Sample
 MMG PASTURE | | 012 | 24354310

A1

Analysis Results

Sampled | Recvd | Printed | ST | CO
 | 11/16/17 | 11/17/17 | | |

SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

Components	As Fed	DM
% Moisture	57.3	
% Dry Matter	42.7	
% Crude Protein	5.2	12.1
% Available Protein	4.5	10.5
% ADICP	.7	1.6
% Adjusted Crude Protein	4.9	11.5
Soluble Protein % CP		37
Degradable Protein % CP		69
% NDICP	1.8	4.3
% ADF	14.5	34.0
% aNDF	24.0	56.3
% Lignin	2.6	6.0
% NFC	9.2	21.6
% Starch	1.3	3.0
% WSC (Water Sol. Carbs.)	6.6	15.5
% ESC (Simple Sugars)	4.3	10.1
% Crude Fat	1.1	2.6
% Ash	3.19	7.47
% TDN	25	59
NEL, Mcal/Lb	.24	.55
NEM, Mcal/Lb	.23	.54
NEG, Mcal/Lb	.12	.28
Relative Feed Value		103
% Calcium	.30	.70
% Phosphorus	.12	.27
% Magnesium	.14	.33
% Potassium	.52	1.22
% Sulfur	.11	.26
% Chloride Ion	.09	.21
% Lysine	.20	.47
% Methionine	.07	.17
Horse DE, Mcal/Lb	.43	1.01

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.18	2.60
ME, 1X	0.99	2.18
NEL, 3X	0.55	1.22
NEM, 3X	0.58	1.28
NEG, 3X	0.32	0.70
TDN1X, %	59	

*** THE FORAGE LAB WILL BE CLOSED
 THURSDAY, NOVEMBER 23RD & 24TH FOR
 THE THANKSGIVING HOLIDAY ***

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 | 24354330

B1

Analysis Results

Sampled | Recvd | Printed | ST | CO
 | 11/16/17 | 11/17/17 | | |

SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

Components	As Fed	DM
% Moisture	62.6	
% Dry Matter	37.4	
% Crude Protein	5.2	13.8
% Available Protein	4.7	12.7
% ADICP	.4	1.2
% Adjusted Crude Protein	5.2	13.8
Soluble Protein % CP		41
Degradable Protein % CP		70
% NDICP	1.7	4.5
% ADF	12.4	33.1
% aNDF	21.2	56.7
% Lignin	1.7	4.5
% NFC	6.6	17.8
% Starch	.8	2.0
% WSC (Water Sol. Carbs.)	5.5	14.6
% ESC (Simple Sugars)	3.3	8.9
% Crude Fat	1.3	3.6
% Ash	3.02	8.07
% TDN	23	62
NEL, Mcal/Lb	.22	.59
NEM, Mcal/Lb	.22	.59
NEG, Mcal/Lb	.13	.33
Relative Feed Value		104
% Calcium	.25	.68
% Phosphorus	.12	.31
% Magnesium	.11	.30
% Potassium	.62	1.67
% Sulfur	.11	.29
% Chloride Ion	.17	.45
% Lysine	.20	.54
% Methionine	.07	.19
Horse DE, Mcal/Lb	.37	1.00

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.26	2.77
ME, 1X	1.07	2.35
NEL, 3X	0.61	1.34
NEM, 3X	0.64	1.41
NEG, 3X	0.37	0.82
TDN1X, %	62	

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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 |24354370|

|D1 |

Analysis Results

|Sampled | Recvd |Printed |ST|CO|
 | |11/16/17|11/17/17| | |

 SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

 |Components | As Fed | DM |

% Moisture	70.4	
% Dry Matter	29.6	
% Crude Protein	5.3	18.0
% Available Protein	4.8	16.2
% ADICP	.5	1.8
% Adjusted Crude Protein	5.1	17.2
Soluble Protein % CP		58
Degradable Protein%CP		80
% NDICP	.6	2.0
% ADF	8.7	29.3
% aNDF	13.9	46.8
% Lignin	1.8	5.9
% NFC	6.2	20.9
% Starch	.7	2.5
% WSC (Water Sol. Carbs.)	5.4	18.1
% ESC (Simple Sugars)	4.1	13.7
% Crude Fat	1.6	5.4
% Ash	2.66	8.96
% TDN	19	63
NEL, Mcal/Lb	.19	.65
NEM, Mcal/Lb	.19	.63
NEG, Mcal/Lb	.11	.37
Relative Feed Value		131
% Calcium	.12	.40
% Phosphorus	.09	.31
% Magnesium	.08	.27
% Potassium	.45	1.53
% Sulfur	.11	.37
% Chloride Ion	.29	.99
% Lysine	.21	.70
% Methionine	.07	.25
Horse DE, Mcal/Lb	.33	1.11

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.30	2.86
ME, 1X	1.11	2.45
NEL, 3X	0.64	1.41
NEM, 3X	0.67	1.47
NEG, 3X	0.40	0.88
TDN1X, %	63	

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 THURSDAY, NOVEMBER 23RD & 24TH FOR
 THE THANKSGIVING HOLIDAY ***

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 | 24354380

D2

Analysis Results

Sampled | Recvd | Printed | ST | CO
 | 11/16/17 | 11/17/17 | | |

SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

Components	As Fed	DM
% Moisture	69.5	
% Dry Matter	30.5	
% Crude Protein	4.9	16.1
% Available Protein	4.5	14.7
% ADICP	.4	1.4
% Adjusted Crude Protein	4.9	16.1
Soluble Protein % CP		45
Degradable Protein % CP		73
% NDICP	.9	3.0
% ADF	9.6	31.5
% aNDF	16.0	52.7
% Lignin	1.6	5.2
% NFC	6.0	19.6
% Starch	.7	2.3
% WSC (Water Sol. Carbs.)	4.6	15.1
% ESC (Simple Sugars)	3.1	10.2
% Crude Fat	1.1	3.8
% Ash	2.40	7.89
% TDN	19	62
NEL, Mcal/Lb	.18	.61
NEM, Mcal/Lb	.18	.60
NEG, Mcal/Lb	.10	.34
Relative Feed Value		114
% Calcium	.21	.69
% Phosphorus	.10	.32
% Magnesium	.10	.32
% Potassium	.60	1.96
% Sulfur	.07	.24
% Chloride Ion	.13	.44
% Lysine	.19	.63
% Methionine	.07	.22
Horse DE, Mcal/Lb	.32	1.05

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.27	2.79
ME, 1X	1.08	2.37
NEL, 3X	0.62	1.36
NEM, 3X	0.64	1.42
NEG, 3X	0.38	0.84
TDN1X, %	62	

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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 |24354390|

|E1 |

Analysis Results

|Sampled | Recvd |Printed |ST|CO|
 | |11/16/17|11/17/17| | |

 SHANNON O SULLIVAN
 SHANNON O SULLIVAN
 60 GATEHOUSE RD
 NEW PALTZ, NY 12561

 |Components | As Fed | DM |

% Moisture	69.5	
% Dry Matter	30.5	
% Crude Protein	4.5	14.9
% Available Protein	4.3	14.0
% ADICP	.3	.9
% Adjusted Crude Protein	4.5	14.9
Soluble Protein % CP		41
Degradable Protein%CP		72
% NDICP	1.2	4.0
% ADF	9.8	32.1
% aNDF	17.3	56.8
% Lignin	1.4	4.6
% NFC	4.7	15.6
% Starch	<0.1	.3
% WSC (Water Sol. Carbs.)	4.7	15.3
% ESC (Simple Sugars)	3.1	10.0
% Crude Fat	1.2	4.1
% Ash	2.65	8.70
% TDN	19	62
NEL, Mcal/Lb	.18	.59
NEM, Mcal/Lb	.18	.60
NEG, Mcal/Lb	.10	.34
Relative Feed Value		105
% Calcium	.24	.79
% Phosphorus	.10	.34
% Magnesium	.10	.32
% Potassium	.57	1.87
% Sulfur	.08	.27
% Chloride Ion	.12	.39
% Lysine	.18	.58
% Methionine	.06	.20
Horse DE, Mcal/Lb	.30	.99

 ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.27	2.79
ME, 1X	1.08	2.38
NEL, 3X	0.62	1.36
NEM, 3X	0.64	1.42
NEG, 3X	0.38	0.84
TDN1X, %	62	

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