

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
TMR			385D	27672970
1 TMR				
Analysis Results				
Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		
Components		As Fed	DM	
1 TMR		% Moisture	9.4	
University of New Hampshire - Brito		% Dry Matter	90.6	
COLSABSC-Rudman Hall		% Crude Protein	13.5	14.9
46 College Road		% Adjusted Crude Protein	13.5	14.9
Durham, NH 03824		Soluble Protein % CP		29
		% ADF	22.0	24.2
		% aNDF	37.1	40.9
		% Lignin	3.1	3.4
		% NFC	26.3	29.0
		% Crude Fat, EE	5.37	5.93
		% Ash	8.41	9.29
		% TDN	64	70
		NEL, Mcal/Lb	.68	.75
		NEM, Mcal/Lb	.68	.75
		NEG, Mcal/Lb	.43	.47
		% Calcium	1.11	1.22
		% Phosphorus	.36	.40
		% Magnesium	.32	.35
		% Potassium	1.39	1.53
		% Sodium	.546	.602
		PPM Iron	202	223
		PPM Zinc	164	181
		PPM Copper	14	15
		PPM Manganese	233	257
		PPM Molybdenum	2.4	2.7
		% Sulfur	.42	.47
		Horse DE, Mcal/Lb	1.20	1.32

***** THE LAB WILL BE CLOSED**
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Sample Description		Farm	Code	Sample
TMR			385D	27672980
2 TMR				
Analysis Results				
Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		
Components		As Fed	DM	
2 TMR		% Moisture	9.0	
University of New Hampshire - Brito		% Dry Matter	91.0	
COLSABSC-Rudman Hall		% Crude Protein	13.7	15.0
46 College Road		% Adjusted Crude Protein	13.7	15.0
Durham, NH 03824		Soluble Protein % CP		30
		% ADF	26.6	29.2
		% aNDF	43.5	47.9
		% Lignin	3.5	3.9
		% NFC	21.9	24.1
		% Crude Fat, EE	4.56	5.01
		% Ash	7.28	8.00
		% TDN	61	68
		NEL, Mcal/Lb	.65	.72
		NEM, Mcal/Lb	.63	.70
		NEG, Mcal/Lb	.39	.43
		% Calcium	.75	.82
		% Phosphorus	.34	.37
		% Magnesium	.31	.34
		% Potassium	1.56	1.72
		% Sodium	.306	.336
		PPM Iron	215	236
		PPM Zinc	65	72
		PPM Copper	8	9
		PPM Manganese	43	47
		PPM Molybdenum	1.9	2.0
		% Sulfur	.29	.32
		Horse DE, Mcal/Lb	1.12	1.23

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Sample Description	Farm	Code	Sample
TMR		385D	27672990

3 TMR
Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

3 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

Components	As Fed	DM
% Moisture	8.7	
% Dry Matter	91.4	
% Crude Protein	13.7	15.0
% Adjusted Crude Protein	13.7	15.0
Soluble Protein % CP		27
% ADF	25.9	28.3
% aNDF	44.7	48.9
% Lignin	2.9	3.2
% NFC	21.5	23.5
% Crude Fat, EE	4.34	4.75
% Ash	7.13	7.80
% TDN	62	68
NEL, Mcal/Lb	.66	.73
NEM, Mcal/Lb	.64	.70
NEG, Mcal/Lb	.39	.43
% Calcium	.81	.88
% Phosphorus	.33	.37
% Magnesium	.24	.26
% Potassium	1.46	1.60
% Sodium	.349	.382
PPM Iron	138	151
PPM Zinc	180	197
PPM Copper	29	31
PPM Manganese	126	138
PPM Molybdenum	1.9	2.1
% Sulfur	.22	.24
Horse DE, Mcal/Lb	1.11	1.22

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Sample Description		Farm	Code	Sample
TMR			385D	27673000
4 TMR				
Analysis Results				
Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		
Components		As Fed	DM	
4 TMR		% Moisture	9.5	
University of New Hampshire - Brito		% Dry Matter	90.5	
COLSABSC-Rudman Hall		% Crude Protein	12.2	13.4
46 College Road		% Adjusted Crude Protein	12.2	13.4
Durham, NH 03824		Soluble Protein % CP		28
		% ADF	23.8	26.3
		% aNDF	40.0	44.2
		% Lignin	3.5	3.8
		% NFC	23.5	25.9
		% Crude Fat, EE	4.11	4.54
		% Ash	10.76	11.89
		% TDN	58	64
		NEL, Mcal/Lb	.62	.68
		NEM, Mcal/Lb	.59	.65
		NEG, Mcal/Lb	.35	.38
		% Calcium	1.00	1.10
		% Phosphorus	.30	.33
		% Magnesium	.29	.32
		% Potassium	1.55	1.72
		% Sodium	.734	.811
		PPM Iron	250	276
		PPM Zinc	188	207
		PPM Copper	27	30
		PPM Manganese	114	126
		PPM Molybdenum	2.3	2.6
		% Sulfur	.84	.93
		Horse DE, Mcal/Lb	1.16	1.28

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Sample Description	Farm	Code	Sample
TMR		385D	27673010

5 TMR
Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

5 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

Components	As Fed	DM
% Moisture	9.1	
% Dry Matter	90.9	
% Crude Protein	14.3	15.8
% Adjusted Crude Protein	14.3	15.8
Soluble Protein % CP		27
% ADF	27.7	30.4
% aNDF	45.5	50.1
% Lignin	3.9	4.3
% NFC	19.2	21.1
% Crude Fat, EE	4.74	5.21
% Ash	7.15	7.87
% TDN	61	67
NEL, Mcal/Lb	.65	.71
NEM, Mcal/Lb	.62	.68
NEG, Mcal/Lb	.38	.41
% Calcium	.76	.84
% Phosphorus	.35	.39
% Magnesium	.27	.30
% Potassium	1.62	1.78
% Sodium	.239	.263
PPM Iron	166	183
PPM Zinc	82	90
PPM Copper	12	13
PPM Manganese	62	68
PPM Molybdenum	2.0	2.2
% Sulfur	.26	.28
Horse DE, Mcal/Lb	1.09	1.20

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Sample Description	Farm	Code	Sample
TMR		385D	27673020

6 TMR
Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

6 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

Components	As Fed	DM
% Moisture	8.8	
% Dry Matter	91.2	
% Crude Protein	14.3	15.7
% Adjusted Crude Protein	14.3	15.7
Soluble Protein % CP		27
% ADF	22.1	24.3
% aNDF	37.7	41.3
% Lignin	2.5	2.7
% NFC	26.2	28.8
% Crude Fat, EE	4.53	4.97
% Ash	8.42	9.23
% TDN	64	70
NEL, Mcal/Lb	.68	.75
NEM, Mcal/Lb	.67	.74
NEG, Mcal/Lb	.42	.46
% Calcium	.95	1.05
% Phosphorus	.36	.39
% Magnesium	.31	.35
% Potassium	1.45	1.59
% Sodium	.405	.444
PPM Iron	216	237
PPM Zinc	221	243
PPM Copper	25	27
PPM Manganese	156	171
PPM Molybdenum	1.9	2.1
% Sulfur	.35	.39
Horse DE, Mcal/Lb	1.20	1.31

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Sample Description	Farm	Code	Sample
TMR		385D	27673030

7 TMR

Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

7 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

Components	As Fed	DM
% Moisture	9.2	
% Dry Matter	90.8	
% Crude Protein	13.3	14.7
% Adjusted Crude Protein	13.3	14.7
Soluble Protein % CP		25
% ADF	22.5	24.8
% aNDF	36.5	40.2
% Lignin	3.4	3.8
% NFC	26.8	29.5
% Crude Fat, EE	4.20	4.63
% Ash	10.00	11.01
% TDN	60	66
NEL, Mcal/Lb	.64	.70
NEM, Mcal/Lb	.62	.69
NEG, Mcal/Lb	.38	.42
% Calcium	1.06	1.17
% Phosphorus	.34	.37
% Magnesium	.34	.37
% Potassium	1.48	1.63
% Sodium	.572	.630
PPM Iron	320	353
PPM Zinc	234	257
PPM Copper	31	34
PPM Manganese	157	173
PPM Molybdenum	2.2	2.5
% Sulfur	.70	.77
Horse DE, Mcal/Lb	1.20	1.33

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Sample Description	Farm	Code	Sample
TMR		385D	27673040

8 TMR
Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

8 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

Components	As Fed	DM
% Moisture	8.9	
% Dry Matter	91.1	
% Crude Protein	14.3	15.7
% Adjusted Crude Protein	14.3	15.7
Soluble Protein % CP		27
% ADF	25.7	28.1
% aNDF	44.4	48.7
% Lignin	3.3	3.6
% NFC	21.2	23.2
% Crude Fat, EE	4.86	5.34
% Ash	6.40	7.02
% TDN	63	69
NEL, Mcal/Lb	.67	.74
NEM, Mcal/Lb	.66	.72
NEG, Mcal/Lb	.41	.45
% Calcium	.77	.85
% Phosphorus	.36	.40
% Magnesium	.28	.31
% Potassium	1.58	1.74
% Sodium	.193	.212
PPM Iron	167	183
PPM Zinc	142	155
PPM Copper	14	15
PPM Manganese	84	92
PPM Molybdenum	1.9	2.1
% Sulfur	.22	.25
Horse DE, Mcal/Lb	1.11	1.22

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Sample Description	Farm	Code	Sample
TMR		385D	27673050

9 TMR
Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

9 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

Components	As Fed	DM
% Moisture	8.4	
% Dry Matter	91.6	
% Crude Protein	14.1	15.4
% Adjusted Crude Protein	14.1	15.4
Soluble Protein % CP		28
% ADF	23.1	25.2
% aNDF	38.9	42.5
% Lignin	3.7	4.1
% NFC	26.8	29.3
% Crude Fat, EE	4.40	4.81
% Ash	7.37	8.05
% TDN	63	68
NEL, Mcal/Lb	.67	.73
NEM, Mcal/Lb	.65	.71
NEG, Mcal/Lb	.40	.44
% Calcium	1.02	1.11
% Phosphorus	.35	.39
% Magnesium	.32	.34
% Potassium	1.56	1.70
% Sodium	.435	.475
PPM Iron	286	312
PPM Zinc	128	140
PPM Copper	14	15
PPM Manganese	92	100
PPM Molybdenum	1.4	1.6
% Sulfur	.58	.64
Horse DE, Mcal/Lb	1.19	1.30

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Sample Description	Farm	Code	Sample
TMR		385D	27673060

10 TMR

Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

10 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

Components	As Fed	DM
% Moisture	8.9	
% Dry Matter	91.1	
% Crude Protein	13.0	14.3
% Adjusted Crude Protein	13.0	14.3
Soluble Protein % CP		30
% ADF	26.7	29.3
% aNDF	46.0	50.5
% Lignin	3.9	4.3
% NFC	21.1	23.1
% Crude Fat, EE	4.78	5.25
% Ash	6.28	6.89
% TDN	62	68
NEL, Mcal/Lb	.66	.72
NEM, Mcal/Lb	.63	.70
NEG, Mcal/Lb	.39	.42
% Calcium	.64	.70
% Phosphorus	.30	.33
% Magnesium	.23	.25
% Potassium	1.56	1.71
% Sodium	.321	.353
PPM Iron	121	133
PPM Zinc	117	128
PPM Copper	7	8
PPM Manganese	64	70
PPM Molybdenum	2.5	2.8
% Sulfur	.28	.31
Horse DE, Mcal/Lb	1.10	1.20

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Sample Description	Farm	Code	Sample
TMR		385D	27673070

11 TMR
Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

11 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

Components	As Fed	DM
% Moisture	9.0	
% Dry Matter	91.0	
% Crude Protein	13.4	14.7
% Adjusted Crude Protein	13.4	14.7
Soluble Protein % CP		35
% ADF	29.5	32.4
% aNDF	49.0	53.9
% Lignin	3.7	4.1
% NFC	17.5	19.3
% Crude Fat, EE	4.46	4.90
% Ash	6.64	7.29
% TDN	60	66
NEL, Mcal/Lb	.64	.70
NEM, Mcal/Lb	.61	.67
NEG, Mcal/Lb	.36	.40
% Calcium	.65	.72
% Phosphorus	.32	.35
% Magnesium	.22	.24
% Potassium	1.54	1.69
% Sodium	.301	.331
PPM Iron	145	159
PPM Zinc	82	90
PPM Copper	12	13
PPM Manganese	50	55
PPM Molybdenum	2.0	2.2
% Sulfur	.31	.34
Horse DE, Mcal/Lb	1.05	1.16

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Sample Description	Farm	Code	Sample
TMR		385D	27673080

12 TMR

Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

12 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

Components	As Fed	DM
% Moisture	9.0	
% Dry Matter	91.0	
% Crude Protein	12.7	14.0
% Adjusted Crude Protein	12.7	14.0
Soluble Protein % CP		30
% ADF	28.3	31.1
% aNDF	44.1	48.4
% Lignin	3.8	4.2
% NFC	22.4	24.6
% Crude Fat, EE	4.31	4.74
% Ash	7.49	8.23
% TDN	60	66
NEL, Mcal/Lb	.64	.71
NEM, Mcal/Lb	.62	.68
NEG, Mcal/Lb	.37	.41
% Calcium	.78	.86
% Phosphorus	.31	.34
% Magnesium	.25	.28
% Potassium	1.55	1.70
% Sodium	.432	.474
PPM Iron	145	159
PPM Zinc	146	160
PPM Copper	17	19
PPM Manganese	96	106
PPM Molybdenum	1.5	1.7
% Sulfur	.31	.35
Horse DE, Mcal/Lb	1.11	1.22

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Sample Description	Farm	Code	Sample
TMR		385D	27673090

13 TMR
Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

13 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

Components	As Fed	DM
% Moisture	8.8	
% Dry Matter	91.2	
% Crude Protein	12.4	13.6
% Adjusted Crude Protein	12.4	13.6
Soluble Protein % CP		28
% ADF	28.0	30.7
% aNDF	47.8	52.5
% Lignin	3.1	3.4
% NFC	19.8	21.7
% Crude Fat, EE	4.12	4.52
% Ash	7.05	7.74
% TDN	61	67
NEL, Mcal/Lb	.65	.71
NEM, Mcal/Lb	.62	.68
NEG, Mcal/Lb	.37	.41
% Calcium	.77	.84
% Phosphorus	.30	.33
% Magnesium	.24	.27
% Potassium	1.62	1.77
% Sodium	.439	.482
PPM Iron	139	152
PPM Zinc	161	176
PPM Copper	21	23
PPM Manganese	88	96
PPM Molybdenum	2.4	2.6
% Sulfur	.38	.42
Horse DE, Mcal/Lb	1.08	1.18

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Sample Description		Farm	Code	Sample
TMR			385D	27673100
14 TMR				
Analysis Results				
Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		
Components		As Fed	DM	
14 TMR		% Moisture	8.2	
University of New Hampshire - Brito		% Dry Matter	91.8	
COLSABSC-Rudman Hall		% Crude Protein	12.8	14.0
46 College Road		% Adjusted Crude Protein	12.8	14.0
Durham, NH 03824		Soluble Protein % CP		33
		% ADF	28.4	31.0
		% aNDF	49.8	54.2
		% Lignin	3.1	3.4
		% NFC	18.0	19.6
		% Crude Fat, EE	4.01	4.37
		% Ash	7.11	7.74
		% TDN	61	66
		NEL, Mcal/Lb	.64	.70
		NEM, Mcal/Lb	.61	.66
		NEG, Mcal/Lb	.36	.40
		% Calcium	.67	.73
		% Phosphorus	.32	.35
		% Magnesium	.24	.26
		% Potassium	1.57	1.72
		% Sodium	.399	.435
		PPM Iron	171	186
		PPM Zinc	106	115
		PPM Copper	12	13
		PPM Manganese	68	74
		PPM Molybdenum	2.1	2.3
		% Sulfur	.38	.42
		Horse DE, Mcal/Lb	1.06	1.16

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Sample Description	Farm	Code	Sample
TMR		385D	27673110

15 TMR
Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

15 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

Components	As Fed	DM
% Moisture	8.5	
% Dry Matter	91.5	
% Crude Protein	14.4	15.7
% Adjusted Crude Protein	14.4	15.7
Soluble Protein % CP		27
% ADF	22.6	24.6
% aNDF	38.3	41.9
% Lignin	3.3	3.6
% NFC	25.1	27.4
% Crude Fat, EE	4.14	4.52
% Ash	9.66	10.55
% TDN	61	66
NEL, Mcal/Lb	.64	.70
NEM, Mcal/Lb	.63	.68
NEG, Mcal/Lb	.38	.42
% Calcium	1.13	1.23
% Phosphorus	.36	.40
% Magnesium	.31	.34
% Potassium	1.50	1.64
% Sodium	.621	.679
PPM Iron	284	310
PPM Zinc	155	169
PPM Copper	19	20
PPM Manganese	105	115
PPM Molybdenum	1.4	1.5
% Sulfur	.66	.72
Horse DE, Mcal/Lb	1.19	1.30

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

Sample Description		Farm	Code	Sample
TMR			385D	27673120
16 TMR				
Analysis Results				
Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		
Components		As Fed	DM	
16 TMR		% Moisture	8.5	
University of New Hampshire - Brito		% Dry Matter	91.5	
COLSABSC-Rudman Hall		% Crude Protein	12.4	13.5
46 College Road		% Adjusted Crude Protein	12.4	13.5
Durham, NH 03824		Soluble Protein % CP		30
		% ADF	23.9	26.1
		% aNDF	42.5	46.4
		% Lignin	2.9	3.2
		% NFC	23.8	26.0
		% Crude Fat, EE	3.74	4.08
		% Ash	9.12	9.97
		% TDN	60	66
		NEL, Mcal/Lb	.64	.70
		NEM, Mcal/Lb	.61	.67
		NEG, Mcal/Lb	.37	.40
		% Calcium	.98	1.07
		% Phosphorus	.31	.34
		% Magnesium	.29	.32
		% Potassium	1.57	1.71
		% Sodium	.617	.675
		PPM Iron	271	296
		PPM Zinc	197	215
		PPM Copper	37	40
		PPM Manganese	113	123
		PPM Molybdenum	2.4	2.6
		% Sulfur	.66	.72
		Horse DE, Mcal/Lb	1.15	1.26

***** THE LAB WILL BE CLOSED**
FRIDAY, JULY 2, 2021 ***

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
TMR		385D	27673130

17 TMR
Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

17 TMR
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

Components	As Fed	DM
% Moisture	8.2	
% Dry Matter	91.8	
% Crude Protein	12.1	13.2
% Adjusted Crude Protein	12.1	13.2
Soluble Protein % CP		26
% ADF	27.3	29.7
% aNDF	45.0	49.0
% Lignin	3.1	3.4
% NFC	23.3	25.3
% Crude Fat, EE	3.37	3.67
% Ash	8.10	8.82
% TDN	60	66
NEL, Mcal/Lb	.63	.69
NEM, Mcal/Lb	.60	.66
NEG, Mcal/Lb	.36	.39
% Calcium	.67	.73
% Phosphorus	.32	.34
% Magnesium	.26	.29
% Potassium	1.50	1.64
% Sodium	.503	.548
PPM Iron	245	267
PPM Zinc	108	118
PPM Copper	9	10
PPM Manganese	91	99
PPM Molybdenum	1.8	1.9
% Sulfur	.60	.65
Horse DE, Mcal/Lb	1.12	1.22

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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
GRAIN MIX, Dry		646	27673150

19 GRAIN
Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

19 GRAIN
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

Components	As Fed	DM
% Moisture	6.3	
% Dry Matter	93.7	
% Crude Protein	17.4	18.6
% Adjusted Crude Protein	17.4	18.6
Soluble Protein % CP		14
% ADF	3.9	4.2
% aNDF	10.8	11.5
% Lignin	.9	1.0
% NFC	52.1	55.6
% Crude Fat, EE	5.77	6.16
% Ash	7.63	8.14
% TDN	79	84
NEL, Mcal/Lb	.85	.91
NEM, Mcal/Lb	.90	.96
NEG, Mcal/Lb	.62	.66
% Calcium	1.23	1.31
% Phosphorus	.63	.67
% Magnesium	.53	.57
% Potassium	.86	.92
% Sodium	.472	.504
PPM Iron	414	441
PPM Zinc	41	44
PPM Copper	3	3
PPM Manganese	30	32
PPM Molybdenum	1.6	1.7
% Sulfur	.29	.31
Horse DE, Mcal/Lb	1.49	1.59

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.72	3.79
ME, 1X	1.54	3.40
NEL, 3X	0.93	2.04
NEM, 3X	0.96	2.12
NEG, 3X	0.66	1.45
TDN1X, %	84	

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

Sample Description	Farm	Code	Sample
GRAIN MIX, Dry		646	27673160

20 GRAIN
Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

20 GRAIN
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.72	3.78
ME, 1X	1.54	3.39
NEL, 3X	0.92	2.04
NEM, 3X	0.96	2.12
NEG, 3X	0.66	1.45
TDN1X, %	84	

Components	As Fed	DM
% Moisture	5.7	
% Dry Matter	94.3	
% Crude Protein	18.0	19.0
% Adjusted Crude Protein	18.0	19.0
Soluble Protein % CP		16
% ADF	5.1	5.4
% aNDF	10.9	11.6
% Lignin	1.1	1.2
% NFC	51.9	55.0
% Crude Fat, EE	5.80	6.15
% Ash	7.76	8.23
% TDN	79	84
NEL, Mcal/Lb	.85	.90
NEM, Mcal/Lb	.90	.96
NEG, Mcal/Lb	.62	.65
% Calcium	1.27	1.35
% Phosphorus	.64	.67
% Magnesium	.57	.60
% Potassium	.86	.91
% Sodium	.463	.491
PPM Iron	396	420
PPM Zinc	41	43
PPM Copper	5	5
PPM Manganese	31	33
PPM Molybdenum	1.4	1.4
% Sulfur	.29	.31
Horse DE, Mcal/Lb	1.49	1.58

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FRIDAY, JULY 2, 2021 ***

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
GRAIN MIX, Dry		646	27673170

21 GRAIN
Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

21 GRAIN
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

Components	As Fed	DM
% Moisture	10.2	
% Dry Matter	89.8	
% Crude Protein	17.8	19.9
% Adjusted Crude Protein	17.8	19.9
Soluble Protein % CP		12
% ADF	4.1	4.5
% aNDF	10.0	11.2
% Lignin	1.1	1.2
% NFC	48.8	54.3
% Crude Fat, EE	5.70	6.35
% Ash	7.45	8.29
% TDN	75	84
NEL, Mcal/Lb	.82	.91
NEM, Mcal/Lb	.86	.96
NEG, Mcal/Lb	.59	.66
% Calcium	1.20	1.33
% Phosphorus	.61	.68
% Magnesium	.55	.62
% Potassium	.87	.97
% Sodium	.467	.520
PPM Iron	386	430
PPM Zinc	52	58
PPM Copper	5	5
PPM Manganese	33	36
PPM Molybdenum	1.6	1.7
% Sulfur	.29	.33
Horse DE, Mcal/Lb	1.43	1.59

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.73	3.81
ME, 1X	1.55	3.41
NEL, 3X	0.93	2.05
NEM, 3X	0.97	2.13
NEG, 3X	0.66	1.46
TDN1X, %	84	

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FRIDAY, JULY 2, 2021 ***

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
GRAIN MIX, Dry		646	27673260

30 GRAIN
Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

30 GRAIN
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.61	3.54
ME, 1X	1.42	3.13
NEL, 3X	0.84	1.86
NEM, 3X	0.89	1.95
NEG, 3X	0.59	1.30
TDN1X, %	78	

Components	As Fed	DM
% Moisture	9.1	
% Dry Matter	91.0	
% Crude Protein	17.3	19.0
% Adjusted Crude Protein	17.3	19.0
Soluble Protein % CP		10
% ADF	6.5	7.2
% aNDF	16.2	17.8
% Lignin	1.4	1.6
% NFC	44.9	49.4
% Crude Fat, EE	3.90	4.29
% Ash	8.59	9.45
% TDN	71	78
NEL, Mcal/Lb	.75	.83
NEM, Mcal/Lb	.78	.86
NEG, Mcal/Lb	.52	.57
% Calcium	1.27	1.40
% Phosphorus	.50	.55
% Magnesium	.53	.59
% Potassium	.88	.97
% Sodium	.812	.893
PPM Iron	428	471
PPM Zinc	167	183
PPM Copper	19	21
PPM Manganese	129	141
PPM Molybdenum	1.6	1.7
% Sulfur	.27	.30
Horse DE, Mcal/Lb	1.32	1.45

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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
GRAIN MIX, Dry		646	27673270

31 GRAIN
Analysis Results

Sampled	Recvd	Printed	ST	CO
	06/18/21	06/24/21		

31 GRAIN
University of New Hampshire - Brito
COLSABSC-Rudman Hall
46 College Road
Durham, NH 03824

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.61	3.56
ME, 1X	1.43	3.15
NEL, 3X	0.85	1.87
NEM, 3X	0.89	1.96
NEG, 3X	0.60	1.32
TDN1X, %	79	

Components	As Fed	DM
% Moisture	8.4	
% Dry Matter	91.6	
% Crude Protein	17.6	19.3
% Adjusted Crude Protein	17.6	19.3
Soluble Protein % CP		10
% ADF	6.3	6.9
% aNDF	15.9	17.4
% Lignin	1.4	1.5
% NFC	45.0	49.2
% Crude Fat, EE	4.16	4.54
% Ash	8.78	9.59
% TDN	71	78
NEL, Mcal/Lb	.76	.83
NEM, Mcal/Lb	.80	.87
NEG, Mcal/Lb	.53	.58
% Calcium	1.27	1.38
% Phosphorus	.50	.55
% Magnesium	.54	.59
% Potassium	.88	.96
% Sodium	.796	.869
PPM Iron	449	490
PPM Zinc	168	183
PPM Copper	17	19
PPM Manganese	125	136
PPM Molybdenum	1.3	1.5
% Sulfur	.26	.28
Horse DE, Mcal/Lb	1.33	1.46

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