

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
GRASS HAY	103	24933320
ORCHARD GRASS 2ND CUTTING		

Analysis Results

Sampled	Recvd	Printed	ST	CO
	07/18/18	07/19/18		

ORCHARD GRASS 2ND CUTTING
 Reber Ranch
 28606 132nd Ave SE
 Kent, WA 98042

Components	As Fed	DM
% Moisture	6.6	
% Dry Matter	93.5	
% Crude Protein	15.1	16.2
% Available Protein	14.3	15.3
% ADICP	.8	.9
% Adjusted Crude Protein	15.1	16.2
Soluble Protein % CP		34
Degradable Protein%CP		67
% NDICP	5.6	6.0
% ADF	32.1	34.3
% aNDF	50.3	53.8
% Lignin	3.1	3.3
% NFC	12.9	13.8
% Starch	.3	.3
% WSC (Water Sol. Carbs.)	7.2	7.7
% ESC (Simple Sugars)	6.0	6.4
% Crude Fat	3.7	3.9
% Total Fatty Acids	1.70	1.82
% RUFAL	.83	.89
% Ash	11.52	12.33
% TDN	62	67
NEL, Mcal/Lb	.61	.65
NEM, Mcal/Lb	.63	.67
NEG, Mcal/Lb	.38	.40
Relative Feed Value		108
% Calcium	.35	.38
% Phosphorus	.22	.24
% Magnesium	.27	.29
% Potassium	2.98	3.19
% Sodium	.170	.182
PPM Iron	131	140
PPM Zinc	22	23
PPM Copper	8	9
PPM Manganese	92	98
PPM Molybdenum	1.2	1.3
% Sulfur	.30	.32
% Chloride Ion	.91	.97
IVTD 30hr, % of DM		80
NDFD 30hr, % of NDF		62
kd, %/hr		4.42
% Lysine	.53	.56
% Methionine	.20	.21
Horse DE, Mcal/Lb	.87	.93

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, %	62	

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Sample Description	Farm Code	Sample
GRASS HAY	103	24933330
TIMOTHY 2ND CUTTING		

Analysis Results

Sampled	Recvd	Printed	ST	CO
	07/18/18	07/19/18		

TIMOTHY 2ND CUTTING
 Reber Ranch
 28606 132nd Ave SE
 Kent, WA 98042

Components	As Fed	DM
% Moisture	7.8	
% Dry Matter	92.3	
% Crude Protein	8.3	9.0
% Available Protein	7.8	8.5
% ADICP	.5	.5
% Adjusted Crude Protein	8.3	9.0
Soluble Protein % CP		35
Degradable Protein%CP		70
% NDICP	2.0	2.2
% ADF	33.2	36.0
% aNDF	51.7	56.1
% Lignin	3.5	3.8
% NFC	22.9	24.9
% Starch	.5	.5
% WSC (Water Sol. Carbs.)	15.5	16.8
% ESC (Simple Sugars)	8.5	9.2
% Crude Fat	2.6	2.8
% Total Fatty Acids	1.04	1.13
% RUFAL	.56	.61
% Ash	6.66	7.22
% TDN	58	63
NEL, Mcal/Lb	.55	.60
NEM, Mcal/Lb	.56	.61
NEG, Mcal/Lb	.32	.35
Relative Feed Value		101
% Calcium	.27	.29
% Phosphorus	.18	.19
% Magnesium	.15	.17
% Potassium	1.55	1.68
% Sodium	.016	.017
PPM Iron	88	95
PPM Zinc	31	33
PPM Copper	6	6
PPM Manganese	23	25
PPM Molybdenum	.8	.9
% Sulfur	.14	.15
% Chloride Ion	.55	.60
IVTD 30hr, % of DM		72
NDFD 30hr, % of NDF		50
kd, %/hr		3.14
% Lysine	.29	.31
% Methionine	.11	.12
Horse DE, Mcal/Lb	.95	1.03

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.25	2.76
ME, 1X	1.06	2.34
NEL, 3X	0.60	1.33
NEM, 3X	0.63	1.40
NEG, 3X	0.37	0.81
TDN1X, %	63	