

**Forage 2007 Summary**

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From 24-Jun-2007 to 18-Sep-2007

27-Sep-2007

Feed Samples

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**Fresh 2+ Cut Legume**

Acid Detergent Fibre %	29	30.16	4.38	14.5
ADF - CP %	23	1.03	0.46	44.7
Calcium %	29	1.56	0.38	24.5
Protein % (N X 6.25)	29	20.80	2.15	10.3
Copper (ppm)	1	6.12		
Moisture %	29	51.11	14.60	28.6
NDF Digestability (48hr) %	7	51.19	9.22	18.0
Potassium %	29	2.19	0.54	24.7
Lignin %	25	5.64	0.84	14.8
Magnesium %	29	0.29	0.08	29.4
Manganese (ppm)	1	54.54		
Sodium %	18	0.06	0.02	37.0
Neutral Detergent Fibre %	28	40.94	5.51	13.5
Phosphorus %	29	0.29	0.04	14.3
pH	5	5.34	0.52	9.7
Sulphur %	4	0.19	0.04	21.6
Starch	9	2.75	2.37	86.0
Soluble Protein %	23	10.78	1.45	13.5
TDN (estimated)%	29	63.43	3.53	5.6
Zn(ppm)	1	14.89		

**Fresh 2+ Cut Grass**

Acid Detergent Fibre %	9	35.97	5.49	15.3
ADF - CP %	9	1.61	0.68	42.2
Calcium %	9	0.63	0.28	44.2
Protein % (N X 6.25)	9	14.46	4.26	29.5
Copper (ppm)	8	5.80	3.60	62.1
Moisture %	9	70.10	9.62	13.7
NDF Digestability (48hr) %	3	58.62	7.41	12.6
Iron (ppm)	5	124.31	43.28	34.8
Potassium %	9	2.29	0.99	43.4
Lignin %	4	4.25	2.00	47.0
Magnesium %	9	0.23	0.08	36.0
Manganese (ppm)	8	37.63	25.61	68.1
Sodium %	9	0.04	0.03	80.5
Neutral Detergent Fibre %	9	55.33	9.72	17.6
Phosphorus %	9	0.22	0.08	38.7
pH	1	5.73		
Sulphur %	3	0.20	0.02	11.7
Starch	4	1.73	0.75	43.1
Soluble Protein %	4	3.96	1.59	40.1
TDN (estimated)%	9	60.32	4.82	8.0
Zn(ppm)	8	18.87	7.64	40.5

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**Fresh 2+ Cut Mixed**

Acid Detergent Fibre %	178	29.42	2.94	10.0
ADF - CP %	174	1.04	0.45	43.4
NDF Digestability (24hr) %	1	36.88		
Calcium %	177	1.71	0.37	21.4
Protein % (N X 6.25)	179	21.36	1.92	9.0
Copper (ppm)	11	8.62	2.15	24.9
Moisture %	179	47.66	10.47	22.0
NDF Digestability (48hr) %	11	42.94	6.72	15.7
Iron (ppm)	9	224.25	184.90	82.5
Potassium %	177	1.96	0.46	23.6
Lignin %	174	5.67	1.01	17.9
Magnesium %	177	0.31	0.09	29.0
Manganese (ppm)	11	28.49	8.54	30.0
Sodium %	135	0.07	0.04	65.1
Neutral Detergent Fibre %	177	39.18	4.76	12.2
Phosphorus %	177	0.28	0.04	14.9
pH	8	5.43	0.28	5.2
Sulphur %	16	0.19	0.04	22.4
Starch	29	1.76	0.45	25.9
Soluble Protein %	174	10.47	1.44	13.7
TDN (estimated)%	177	64.53	1.65	2.6
Zn(ppm)	11	21.15	4.51	21.3

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**Fresh Corn Silage**

Acid Detergent Fibre %	470	22.19	3.10	14.0
ADF - CP %	457	0.80	0.11	13.9
NDF Digestability (24hr) %	1	50.65		
Calcium %	470	0.22	0.05	24.4
Protein % (N X 6.25)	472	8.06	1.06	13.2
Copper (ppm)	6	3.80	0.86	22.6
Moisture %	480	65.01	5.53	8.5
NDF Digestability (48hr) %	254	35.02	4.58	13.1
Iron (ppm)	1	312.69		
Potassium %	470	1.30	0.21	15.9
Lignin %	456	1.98	0.37	18.5
Magnesium %	470	0.17	0.04	21.3
Manganese (ppm)	6	19.93	8.97	45.0
Sodium %	52	0.03	0.06	178.1
Neutral Detergent Fibre %	470	40.59	4.08	10.0
Phosphorus %	470	0.21	0.03	15.4
pH	15	4.18	0.24	5.8
Sulphur %	6	0.14	0.05	35.6
Starch	457	28.86	5.96	20.6
Soluble Protein %	227	2.42	1.11	45.9
TDN (estimated)%	470	69.91	1.86	2.7
Zn(ppm)	6	22.51	6.51	28.9

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Balage				
Acid Detergent Fibre %	322	31.82	3.84	12.1
ADF - CP %	321	1.49	0.52	35.2
NDF Digestability (24hr) %	104	45.10	6.26	13.9
Calcium %	322	1.37	0.43	31.3
Protein % (N X 6.25)	324	19.50	3.19	16.3
Copper (ppm)	113	7.64	1.88	24.6
Moisture %	324	41.36	13.85	33.5
NDF Digestability (48hr) %	131	54.44	7.14	13.1
Iron (ppm)	1	232.32		
Potassium %	322	2.18	0.57	26.3
Lignin %	319	6.42	1.20	18.6
Magnesium %	322	0.29	0.08	27.2
Manganese (ppm)	113	31.86	12.72	39.9
Sodium %	240	0.04	0.03	70.3
Neutral Detergent Fibre %	321	45.76	6.39	14.0
Phosphorus %	322	0.27	0.04	16.1
pH	126	5.16	0.32	6.3
Sulphur %	127	0.19	0.03	15.2
Starch	139	1.59	0.32	20.0
Soluble Protein %	321	9.23	3.05	33.1
TDN (estimated)%	322	62.98	2.61	4.1
Zn(ppm)	113	23.15	4.84	20.9
Hay- 2nd Cut				
Acid Detergent Fibre %	307	30.10	3.36	11.2
ADF - CP %	288	1.21	0.26	21.8
Calcium %	310	1.51	0.43	28.6
Protein % (N X 6.25)	313	19.24	2.85	14.8
Copper (ppm)	69	8.16	1.74	21.3
Moisture %	313	11.52	5.15	44.7
NDF Digestability (48hr) %	68	50.92	6.51	12.8
Iron (ppm)	6	195.26	80.37	41.2
Potassium %	308	1.97	0.58	29.5
Lignin %	281	5.95	1.42	23.9
Magnesium %	308	0.30	0.07	22.9
Manganese (ppm)	69	42.73	27.14	63.5
Sodium %	222	0.05	0.04	68.6
Neutral Detergent Fibre %	302	42.04	5.40	12.8
Phosphorus %	310	0.28	0.06	21.3
Sulphur %	72	0.21	0.04	16.7
Starch	97	1.85	0.66	35.9
Soluble Protein %	286	5.91	1.32	22.3
TDN (estimated)%	307	63.75	2.40	3.8
Zn(ppm)	69	23.14	8.39	36.3



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**Corn Silage**

Acid Detergent Fibre %	233	22.77	2.95	12.9
ADF - CP %	229	0.80	0.18	23.2
NDF Digestability (24hr) %	57	45.81	6.31	13.8
Calcium %	234	0.21	0.10	46.6
Protein % (N X 6.25)	235	8.06	1.29	16.0
Copper (ppm)	70	4.31	3.56	82.6
Moisture %	237	63.25	5.37	8.5
NDF Digestability (48hr) %	106	58.87	4.28	7.3
Iron (ppm)	4	122.45	63.61	51.9
Potassium %	234	0.90	0.26	28.5
Lignin %	229	2.28	0.48	20.9
Magnesium %	234	0.16	0.04	28.1
Manganese (ppm)	70	20.40	22.54	110.5
Sodium %	163	0.02	0.04	169.0
Neutral Detergent Fibre %	231	42.88	4.28	10.0
Phosphorus %	234	0.20	0.04	19.7
pH	106	3.84	0.19	4.9
Sulphur %	104	0.13	0.02	14.8
Starch	229	32.17	5.48	17.0
Soluble Protein %	227	3.46	0.97	27.9
TDN (estimated)%	233	69.55	1.95	2.8
Zn(ppm)	70	21.82	18.42	84.4

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**Mixed Legume Haylage- 2+**

Acid Detergent Fibre %	308	31.72	3.49	11.0
ADF - CP %	304	1.38	0.51	37.1
NDF Digestability (24hr) %	75	40.88	5.76	14.1
Calcium %	308	1.62	0.37	23.0
Protein % (N X 6.25)	308	21.35	2.44	11.4
Copper (ppm)	89	9.50	1.89	19.9
Moisture %	308	49.88	11.17	22.4
NDF Digestability (48hr) %	121	53.15	5.95	11.2
Iron (ppm)	8	159.81	68.21	42.7
Potassium %	308	2.19	0.60	27.4
Lignin %	303	6.52	1.37	21.0
Magnesium %	308	0.31	0.08	25.4
Manganese (ppm)	89	32.64	11.35	34.8
Sodium %	226	0.06	0.06	92.2
Neutral Detergent Fibre %	306	42.39	4.63	10.9
Phosphorus %	308	0.29	0.04	15.7
pH	124	4.83	0.39	8.1
Sulphur %	122	0.20	0.02	11.1
Starch	161	1.26	0.35	27.9
Soluble Protein %	304	11.48	2.44	21.2
TDN (estimated)%	308	62.63	2.66	4.2
Zn(ppm)	89	24.04	8.00	33.3