

Dried Cover Crop Hay

ID Planted Date Baled Date Type	Day-2		Day-3		Sieg-1		Sieg-2		Sieg-3		Day-4		Day-3		Ferree - 1	
	NA		NA		10/22/2014		10/22/2014		10/22/2014		11/10/2014		11/10/2014		10/18/2015	
Moisture % Dry Matter % Protein % Avail. Prot % Adj. Crude % AD Protein % % Soluble % Fat % Fiber-ADF % Fiber NDF % NDICP % Lignin % NFC % Ash % Calcium % Phosphorus % Magnesium % Potassium % Sulfur % Sodium % Manganese ppm Copper ppm Zinc ppm Iron ppm TDN NEL Mcal/lb NEL Sum Mcal/lb Nem Mcal/lb Neg Mcal/lb Rel Feed Value	4/31/2014		6/30/2014		5/24/2015		5/24/2015		5/24/2015		7/1/2015		7/1/2015			
	Wheat		Wheat		Triticale		Wheat		Wheat/Triticale		Triticale		Wheat		Wheat	
	DM	As is	DM	As is	DM	As is	DM	As is	DM	As is	DM	As is	DM	As is	DM	As is
		14.94		15.89		17.13		12.64		17.2		26.02		19.13		
		85.06		84.11		82.87		87.36		82.8		73.98		80.87		
		14.6	12.42	9.33	7.85	13.28	11.01	11.91	10.4	12.44	10.3	9.26	6.85	9.21	7.45	
		13.36	11.36	8.39	7.06	12.61	10.45	11.48	10.03	11.76	9.74	8.31	6.15	7.59	6.14	
		14.6	12.42	9.33	7.85	13.28	11.01	11.91	10.4	12.44	10.3	9.26	6.85	8.7	7.04	
		1.24	1.05	0.94	0.79	0.67	0.56	0.43	0.38	0.68	0.56	0.95	0.7	1.62	1.31	
		35.35	33.78	35.35	32.48	42.2	42.2	21.36	21.36	32.23	32.23	35.76	35.76	58.62	58.62	
		1.71	1.45	1.42	1.19	1.82	1.51	1.8	1.57	2.03	1.68	0.95	0.7	1.22	0.99	
		38.94	33.12	29.86	25.12	46.28	38.35	30.84	26.94	39.88	33.02	49.59	36.69	44.36	35.87	
		67.41	57.34	49.82	41.9	71	58.84	52.98	46.28	63.93	52.93	69.53	51.44	58.95	47.67	
		2.57	2.19	2.04	1.72	3.47	2.88	1.39	1.21	2.34	1.94	4	2.96	3.87	3.13	
		6.22	5.29	6.03	5.07	6.74	5.59	4.58	4	5.61	4.65	8.14	6.02	6.46	5.22	
		11.4	9.7	35.42	29.79	11.21	9.29	30.03	26.23	18.33	15.18	8.28	6.13	18.21	14.73	
		7.45	6.34	6.05	5.09	6.16	5.1	4.67	4.08	5.61	4.65	15.98	11.82	16.28	13.17	
		0.29	0.25	0.21	0.18	0.4	0.33	0.22	0.19	0.31	0.26	0.28	0.21	0.26	0.21	
		0.3	0.26	0.19	0.16	0.31	0.26	0.23	0.2	0.23	0.19	0.21	0.16	0.19	0.15	
		0.12	0.1	0.14	0.12	0.11	0.09	0.1	0.09	0.11	0.09	0.08	0.06	0.1	0.08	
		2.13	1.81	0.99	0.83	2.22	1.84	1.32	1.15	1.59	1.32	1.38	1.02	0.88	0.71	
		0.2	0.17	0.14	0.12	0.13	0.11	0.13	0.11	0.12	0.1	0.1	0.07	0.1	0.08	
		0.01	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0	0.01	0.01	
		88	75	79	67	49	41	74	65	63	52	129	96	132	107	
		16	14	11	10	12	10	8	7	9	8	10	8	10	8	
		29	25	27	23	25	21	19	17	19	16	30	23	30	25	
		504	429	35	30	237	197	189	166	358	297	2412	1785	2547	2060	
		54	45	60	50	54	44	64	55	58	48	42	31	47	38	
		57	48	0.68	0.57	0.47	0.39	0.66	0.58	0.55	0.46	0.43	0.32	0.5	0.4	
		54	46	0.62	0.52	0.55	0.46	0.66	0.58	0.59	0.46	0.41	0.3	0.46	0.37	
		5	43	0.6	0.5	0.5	0.41	0.65	0.57	0.56	0.46	0.31	0.23	0.39	0.32	
		25	21	0.33	0.28	0.25	0.21	0.39	0.34	0.31	0.26	0.07	0.05	0.15	0.12	
		81		123		69		114		84		67		86		

Silage - Cover Crops

ID	Fleace-2		Fleace-1		Fleace-3		Fleace-4		Fleace-5		Fleace-6	
	Planted		Planted		Planted		Planted		Planted		Planted	
Harvested	5/13/2014		5/13/2014		5/2/2015		5/2/2015					
	Type		Type		Type		Type		Type		Type	
	DM	As is	DM	As is	DM	As is	DM	As is	DM	As is	DM	As is
Moisture %		67.05		55.98		80.37		72.43				
Dry Matter %		32.95		44.02		19.63		27.57				
Protein %	14.97	4.93	12.54	5.52	11.88	2.33	10.26	2.83				
Avail. Prot %	14.43	4.75	12.52	5.51	11.08	2.18	9.43	2.6				
Adj. Crude %	14.97	4.93	12.54	5.52	11.88	2.33	10.26	2.83				
AD Protein %	0.54	0.18	0.02	0.01	0.8	0.16	0.83	0.23				
% Soluble %	56.34	58.67	56.34	74.17	39.01	39.01	50.6	50.6				
Fat %	3.41	1.12	3.49	1.54	2.32	0.46	3.15	0.87				
Fiber-ADF %	35.21	11.6	36.25	15.96	46.39	9.11	40.07	11.05				
Fiber NDF %	56.61	18.65	58.54	25.77	73.12	14.35	63.78	17.58				
NDICP %	2.36	0.78	1.43	0.63	2.83	0.56	1.8	0.5				
Lignin %	3.07	1.01	2.7	1.19	5.83	1.14	6.58	1.81				
NFC %	18.33	6.04	17.92	7.89	9.42	1.85	20.39	5.62				
Ash %	9.04	2.98	8.94	3.94	6.09	1.2	4.22	1.16				
Calcium %	0.46	0.15	0.58	0.26	0.23	0.05	0.17	0.05				
Phosphor %	0.47	0.15	0.35	0.15	0.35	0.07	0.26	0.07				
Magnesium %	0.17	0.06	0.18	0.08	0.08	0.02	0.09	0.02				
Potassium %	3.18	1.05	1.99	0.88	2.79	0.55	1.67	0.46				
Sulfur %	0.22	0.07	0.19	0.08	0.15	0.03	0.12	0.03				
Sodium %	0.02	0	0.01	0	0.01	0	0	0				
Manganese ppm	83	28	77	34	136	27	141	39				
Copper ppm	11	4	14	6	7	1	6	2				
Zinc ppm	27	9	33	15	34	7	29	8				
Iron ppm	185	61	739	325	158	31	158	44				
TDN	63	20	64	28	55	10	59	16				
NEL Mcal/lb	0.61	0.2	0.6	0.26	0.47	0.09	0.55	0.15				
NEL Sum Mcal/lb	0.65	0.21	0.66	0.29	0.56	0.11	0.61	0.17				
Nem Mcal/lb	0.64	0.21	0.65	0.29	0.52	0.1	0.58	0.09				
Neg Mcal/lb	0.38	0.13	0.39	0.17	0.26	0.05	0.32	0.09				
Rel Feed Value	101		96		67		84					

Grazing- Cover Crops

ID	Konkle-1		Lattire-1		Day-1		Day-2		Lattire-2	
Planted	Nov. 2013		3/18/2015		10/18/2014		10/18/2014		10/27/2015	
Grazed	5/10/2014		7/10/2015		5/7/2015		5/7/2015			
Type	Wheat/Rye		Triticale		Triticale		Wheat		Triticale	
	DM	As is	DM	As is	DM	As is	DM	As is	DM	As is
Moisture %		78.37		39.1		54.74		34.45		
Dry Matter %		21.63		60.9		45.26		65.55		
Protein %	14.18	3.07	7.15	4.35	13.6	6.16	12.36	8.1		
Avail. Prot %	13.87	3	6.36	3.87	13.05	5.91	11.83	7.75		
Adj. Crude %	14.18	3.07	7.15	4.35	13.6	6.16	12.36	8.1		
AD Protein %	0.31	0.07	0.79	0.48	0.55	0.25	0.53	0.35		
% Soluble %	48.3	48.3	34.17	34.14	69.45	69.45	69.02	69.02		
Fat %	3.15	0.68	2.49	1.52	3.34	1.51	2.59	1.7		
Fiber-ADF %	24.79	5.36	40.29	24.54	38.77	17.55	38.43	25.19		
Fiber NDF %	47.1	10.19	64.8	39.46	54.93	24.86	56.32	36.92		
NDICP %	1.27	0.27	2.3	1.4	1.98	0.9	0.97	0.64		
Lignin %	4.34	0.94	5.18	3.15	3.51	1.59	2.58	1.69		
NFC %	31.14	6.74	21.97	13.38	19.81	8.97	19.14	12.55		
Ash %	5.7	1.23	5.89	3.59	10.3	4.66	10.56	6.92		
Calcium %	0.25	0.05	0.38	0.23	0.65	0.29	0.49	0.32		
Phosphor %	0.35	0.08	0.25	0.15	0.23	0.1	0.16	0.1		
Magnesium %	0.11	0.02	0.09	0.05	0.12	0.05	0.1	0.07		
Potassium %	2.15	0.47	1.89	1.15	2.12	0.96	1.58	1.04		
Sulfur %	0.16	0.03	0.12	0.07	0.15	0.07	0.14	0.09		
Sodium %	0.01	0	0.01	0	0.01	0	0.01	0		
Manganese ppm	43	9	84	52	158	72	100	66		
Copper ppm	10	2	9	6	10	5	9	6		
Zinc ppm	29	6	21	13	22	10	20	13		
Iron ppm	84	18	301	184	1173	531	1210	794		
TDN	67	14	59	35	62	28	62	40		
NEL Mcal/lb	0.77	0.17	0.59	0.36	0.6	0.27	0.61	0.4		
NEL Sum Mcal/lb	0.69	0.15	0.6	0.37	0.63	0.29	0.63	0.41		
Nem Mcal/lb	0.7	0.15	0.58	0.35	0.63	0.29	0.63	0.41		
Neg Mcal/lb	0.43	0.09	0.32	0.19	0.36	0.16	0.36	0.24		
Rel Feed Value	137		83		99		97			

Grass Hay First Cutting

ID		Day-1		Lattire-1		Lattire-3		Lattire-2		Lattire-5		Sieg-1	
Baled Date		5/19/2014		5/12/2014		5/13/2014		5/12/2014		5/13/2014		5/26/2014	
Type		Fescue/		Fescue/Clover/		Timothy		Orchard/Clover		Timothy		Orchard/Alfalfa	
		DM	As is	DM	As is	DM	As is	DM	As is	DM	As is	DM	As is
Moisture	%		12.92		14.09		16.23		13.87		13.48		13.89
Dry Matter	%		87.08		85.91		83.77		86.13		86.52		86.11
Protein	%	13.14	11.44	8.93	7.67		6.21		10		6.83		14.41
Avail. Prot.	%	12.23	10.65	7.98	6.86		5.37		9.14		6		13.71
Adj. Crude Prot.	%	13.14	11.44	8.93	7.67		6.12		10		6.82		14.41
AD Protein	%	0.91	0.79	0.95	0.82		0.84		0.86		0.83		0.7
% Soluble Prot.	%	28.26	31.35	28.88	33.54		44.48		34.05		44.73		48.84
Fat	%	2.17	1.89	1.91	1.64		1.48		1.81		1.81		1.72
Fiber-ADF	%	38.92	33.89	39.24	33.71		37.27		33.44		35.42		36.11
Fiber NDF	%	66.17	57.62	62.84	53.99		57.6		53.1		58.76		48.05
NDICP	%	4.49	3.91	1.8	1.55		1.88		3.12		2.46		2.71
Lignin	%	4	3.48	5.88	5.05		5.27		4.86		5.27		6.74
NFC	%	14.18	12.35	20.94	17.99		15		18.04		15.88		17.39
Ash	%	8.83	7.69	7.18	6.17		5.36		6.3		5.7		7.26
Calcium	%	0.52	0.45	0.47	0.4		0.37		0.49		0.42		0.89
Phosphorus	%	0.23	0.2	0.21	0.18		0.15		0.26		0.17		0.27
Magnesium	%	0.21	0.18	0.18	0.15		0.09		0.17		0.1		0.16
Potassium	%	1.79	1.56	2.19	1.88		1.82		2.07		1.91		2.35
Sulfur	%	0.19	0.17	0.14	0.12	0.1	0.08	0.15	0.13	0.12	0.1	0.18	0.15
Sodium	%	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.05
Manganese	ppm	158	138	134	115	66	56	154	133	108	94	57	49
Copper	ppm	12	11	10	9	10	9	10	9	11	10	13	12
Zinc	ppm	23	21	29	26	19	17	28	24	19	17	20	18
Iron	ppm	626	546	80	69	67	57	214	185	82	72	125	108
TDN		58	20	56	48	54	45	57	49	55	47	55	47
NEL	Mcal/lb	0.6	0.52	0.59	0.51	0.52	0.44	0.59	0.51	0.58	0.5	0.55	0.47
NEL Summ.	Mcal/lb	0.59	0.51	0.57	0.49	0.55	0.46	0.58	0.5	0.56	0.48	0.56	0.48
Nem	Mcal/lb	0.56	0.49	0.53	0.46	0.5	0.42	0.55	0.47	0.52	0.45	0.52	0.45
Neg	Mcal/lb	0.31	0.27	0.28	0.24	0.25	0.21	0.29	0.25	0.26	0.22	0.26	0.22
Rel Feed Value		82		86		73		89		78		94	

Grass Hay 2nd Cutting

	ID	Lattire-4	
	Baled Date	7/20/2013	
	Type	Timothy	
		DM	As is
Moisture	%		19.13
Dry Matter	%		80.87
Protein	%		5.65
Avail. Prot.	%		4.25
Adj. Crude Prot.	%		4.93
AD Protein	%		1.4
% Soluble Prot.	%		36.78
Fat	%		0.94
Fiber-ADF	%		37.85
Fiber NDF	%		57.96
NDICP	%		0.87
Lignin	%		7.23
NFC	%		13.38
Ash	%		3.81
Calcium	%		0.26
Phosphorus	%		0.14
Magnesium	%		0.06
Potassium	%		1.34
Sulfur	%	0.09	0.07
Sodium	%	0.01	0.01
Manganese	ppm	131	106
Copper	ppm	10	8
Zinc	ppm	24	20
Iron	ppm	111	90
TDN		49	39
NEL	Mcal/lb	0.49	0.4
NEL Summ.	Mcal/lb	0.49	0.4
Nem	Mcal/lb	0.42	0.34
Neg	Mcal/lb	0.18	0.15
Rel Feed Value		68	