

# 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	
	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
Moisture %		14.94		15.89		17.13		12.64		17.2		26.02		19.13		
Dry Matter %		85.06		84.11		82.87		87.36		82.8		73.98		80.87		
<b>Protein %</b>		<b>14.6</b>		<b>12.42</b>		<b>9.33</b>		<b>7.85</b>		<b>13.28</b>		<b>11.01</b>		<b>11.91</b>		<b>10.4</b>
Avail. Prot %		13.36		11.36		8.39		7.06		12.61		10.45		11.48		10.03
Adj. Crude %		14.6		12.42		9.33		7.85		13.28		11.01		11.91		10.4
AD Protein %		1.24		1.05		0.94		0.79		0.67		0.56		0.43		0.38
% Soluble %		35.35		33.78		35.35		32.48		42.2		42.2		21.36		21.36
Fat %		1.71		1.45		1.42		1.19		1.82		1.51		1.8		1.57
Fiber-ADF %		38.94		33.12		29.86		25.12		46.28		38.35		30.84		26.94
Fiber NDF %		67.41		57.34		49.82		41.9		71		58.84		52.98		46.28
NDICP %		2.57		2.19		2.04		1.72		3.47		2.88		1.39		1.21
Lignin %		6.22		5.29		6.03		5.07		6.74		5.59		4		5.61
NFC %		11.4		9.7		35.42		29.79		11.21		9.29		30.03		26.23
Ash %		7.45		6.34		6.05		5.09		6.16		5.1		4.67		4.08
Calcium %		0.29		0.25		0.21		0.18		0.4		0.33		0.22		0.19
Phosphor %		0.3		0.26		0.19		0.16		0.31		0.26		0.23		0.2
Magnesium %		0.12		0.1		0.14		0.12		0.11		0.09		0.1		0.09
Potassium %		2.13		1.81		0.99		0.83		2.22		1.84		1.32		1.15
Sulfur %		0.2		0.17		0.14		0.12		0.13		0.11		0.13		0.11
Sodium %		0.01		0.01		0.01		0.01		0		0		0		0
Manganese ppm		88		75		79		67		49		41		74		65
Copper ppm		16		14		11		10		12		10		8		7
Zinc ppm		29		25		27		23		25		21		19		17
Iron ppm		504		429		35		30		237		197		189		166
<b>TDN</b>		<b>54</b>		<b>45</b>		<b>60</b>		<b>50</b>		<b>54</b>		<b>44</b>		<b>64</b>		<b>55</b>
NEL Mcal/lb		57		48		0.68		0.57		0.47		0.39		0.66		0.58
NEL Sum Mcal/lb		54		46		0.62		0.52		0.55		0.46		0.66		0.58
Nem Mcal/lb		5		43		0.6		0.5		0.5		0.41		0.65		0.57
Neg Mcal/lb		25		21		0.33		0.28		0.25		0.21		0.39		0.34
<b>Rel Feed Value</b>		<b>81</b>		<b>123</b>		<b>69</b>		<b>114</b>		<b>84</b>		<b>67</b>		<b>86</b>		

## 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				
<b>Protein %</b>	<b>14.97</b>	<b>4.93</b>	<b>12.54</b>	<b>5.52</b>	<b>11.88</b>	<b>2.33</b>	<b>10.26</b>	<b>2.83</b>				
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				
Phosphorus %	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				
<b>TDN</b>	<b>63</b>	<b>20</b>	<b>64</b>	<b>28</b>	<b>55</b>	<b>10</b>	<b>59</b>	<b>16</b>				
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				
<b>Rel Feed Value</b>	<b>101</b>		<b>96</b>		<b>67</b>		<b>84</b>					

## 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		
<b>Protein %</b>	<b>14.18</b>	<b>3.07</b>	<b>7.15</b>	<b>4.35</b>	<b>13.6</b>	<b>6.16</b>	<b>12.36</b>	<b>8.1</b>		
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		
<b>TDN</b>	<b>67</b>	<b>14</b>	<b>59</b>	<b>35</b>	<b>62</b>	<b>28</b>	<b>62</b>	<b>40</b>		
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		
<b>Rel Feed Value</b>	<b>137</b>		<b>83</b>		<b>99</b>		<b>97</b>			

# 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
<b>Protein</b>	%	<b>13.14</b>	<b>11.44</b>	<b>8.93</b>	<b>7.67</b>		<b>6.21</b>		<b>10</b>		<b>6.83</b>		<b>14.41</b>
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
<b>TDN</b>		<b>58</b>	<b>20</b>	<b>56</b>	<b>48</b>	<b>54</b>	<b>45</b>	<b>57</b>	<b>49</b>	<b>55</b>	<b>47</b>	<b>55</b>	<b>47</b>
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
<b>Rel Feed Value</b>		<b>82</b>		<b>86</b>		<b>73</b>		<b>89</b>		<b>78</b>		<b>94</b>	

## Grass Hay 2nd Cutting

ID	Lattire-4		
Baled Date	7/20/2013		
Type	Timothy		
	<b>DM</b>	<b>As is</b>	
Moisture	%	19.13	
Dry Matter	%	80.87	
<b>Protein</b>	%	<b>5.65</b>	
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
<b>TDN</b>		<b>49</b>	<b>39</b>
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
<b>Rel Feed Value</b>		<b>68</b>	