

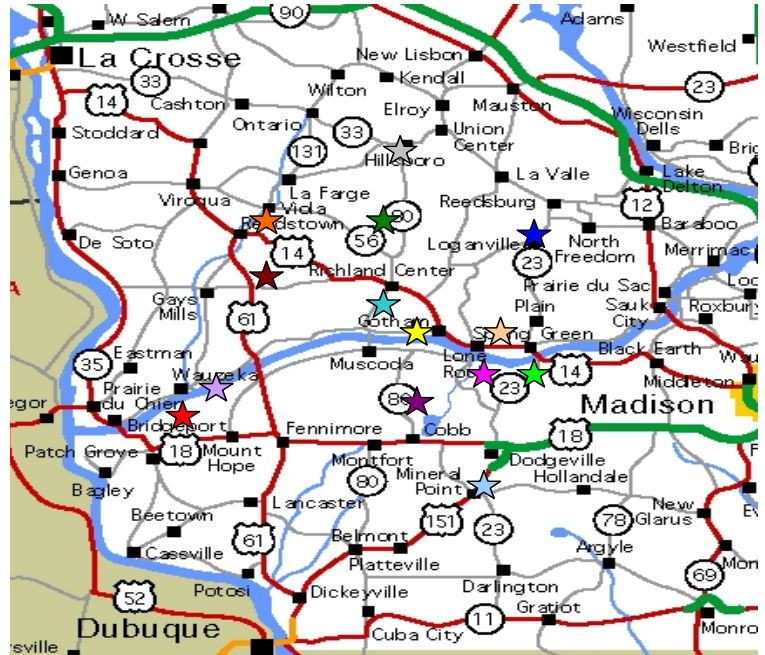


2010 Alfalfa Management Scissors Cutting Information

Sample Sites

One Sample was taken from each of the following cites.

- | | |
|----------------|----------------------|
| ★ Spring Green | ★ Lone Rock |
| ★ Reedsburg | ★ Richland Center #1 |
| ★ Viola | ★ Highland |
| ★ Dodgeville | ★ Richland Center #2 |
| ★ Wauzeka | ★ Boscobel |
| ★ Hillsboro | ★ Plain |
| ★ Sylvan | ★ Rockbridge |



Scissors Cutting Information (updated weekly)

Scissors cutting are put together by the personnel at Consumers Cooperative of Richland County from both Feed and Agronomy Departments.

Date Samples were taken: May 17, 2010

Sample ID	Location	Plant Height	Crude Protein	RFV (Lab)	RFV (PEAQ)
1	Spring Green	26"	24.71	183	172
2	Lone Rock	Harvested	20.91	162	
3	Reedsburg	26"	26.31	219	172
4	Richland Center #1	Harvested	25.64	209	
5	Viola	25"	24.41	198	176
6	Highland	28"	19.93	145	164
7	Dodgeville	27"	23.28	172	168
8	Richland Center #2	26"	20.11	181	172
9	Wauzeka	31"	22.98	182	152
10	Boscobel	28"	21.29	178	164
11	Hillsboro	Mowed	25.98	211	
12	Plain	28"	29.52	208	164
13	Sylvan	26"	24.54	193	172
14	Rockbridge				
Averages		27.1	23.81	188	168



Growing Degree Days

City	Current Year Mar. 1 to May 15	Long Term Average Mar. 1 to May 15	Last Week Current Year Mar.1 to May 1	Last Week Long Term Average Mar. 1 to May 1
Madison	396	296	363	226
La Crosse	451	301	412	230

Week #2

Date Samples were taken: May 10, 2010

Sample ID	Location	Plant Height	Crude Protein	RFV (Lab)	RFV (PEAQ)
1	Spring Green	24"	24.5	197	190
2	Lone Rock	25"	20.37	173	185
3	Reedsburg	22"	23.58	216	200
4	Richland Center #1	23.5"	24.08	215	193
5	Viola	19.5"			
6	Highland	24"	23.68	197	190
7	Dodgeville	24"	23.05	202	190
8	Richland Center #2	25"	24.07	208	185
9	Wauzeka	25.5"	22.7	195	183
10	Boscobel	23.5"	25.66	209	193
11	Hillsboro	21"	26.38	221	205
12	Plain	22"	27.26	259	200
13	Sylvan	22"			
14	Rockbridge	22"	28.43	259	200
Averages		23"	24.48	213	193

Week #1

Date Samples were taken: May 3, 2010

NOTE: Only sampled the stands over 22 inches tall.

Sample ID	Location	Plant Height	Crude Protein	RFV (Lab)	RFV (PEAQ)
1	Spring Green	24"	25.25	201	190
2	Lone Rock	24"	25.20	188	190
3	Reedsburg	19"			217
4	Richland Center #1	23"	24.36	188	195
5	Viola	18"			224
6	Highland	22"	23.57	209	200
7	Dodgeville	22"	27.10	205	200
8	Richland Center #2	22"	25.47	190	200
9	Wauzeka	24.5"	24.49	187	185
10	Boscobel	22"	24.97	184	200
11	Hillsboro	16"			237
12	Plain	19"			217
13	Sylvan	20"			211
14	Rockbridge	19"			217
Averages		21"	25.05	194	206



Table 1. Estimation of alfalfa RFV using PEAQ with a simplified staging scale.

Step 1: Choose a representative 2-square-foot area in the field.

Step 2: Determine the most mature stem in the 2-square-foot sampling area using the criteria shown in the table at right.

Step 3: Measure the length of the tallest stem in the 2-square-foot area. Measure it from the soil surface (next to plant crown) to the tip of the stem (NOT to the tip of the highest leaf blade). Straighten the stem for an accurate measure of its length. The tallest stem may not be the most mature stem.

Step 4: Based on the most mature stem and length of the tallest stem, use the chart at the right to determine estimated RFV content of the standing alfalfa forage.

Step 5: Repeat steps 1 to 4 in four or five representative areas across the field. Sample more times for fields larger than 30 acres.

NOTE: This procedure estimates alfalfa RFV content of the standing crop. It does not account for changes in quality due to wilting, harvesting, and storage. These factors may further lower RFV content by 10 to 20 units, assuming good wilting and harvesting conditions. This procedure is most accurate for good stands of pure alfalfa with healthy growth.

Length of Tallest Stem (from soil to stem tip)	Stage of Most Mature Stem		
	Late Vegetative no buds visible on stem	Bud Stage 1 or more nodes with buds visible	Flower Stage 1 or more nodes with 1 open flower
	----- RFV -----		
-- inches --			
16	237	225	210
17	230	218	204
18	224	212	198
19	217	207	193
20	211	201	188
21	205	196	183
22	200	190	178
23	195	185	174
24	190	181	170
25	185	176	166
26	180	172	162
27	175	168	158
28	171	164	154
29	167	160	151
30	163	156	147
31	159	152	144
32	155	149	140
33	152	145	137
34	148	142	134
35	145	139	131
36	142	136	128
37	138	133	126
38	135	130	123
39	132	127	121
40	129	124	118

The PEAQ system for estimating alfalfa quality in the field was developed by Agronomists at the University of Wisconsin –Madison.



Wisconsin Crop Weather Reports

**Information from the Wisconsin Crop Weather Report,
Updated every Monday**

[http://www.nass.usda.gov/Statistics by State/Wisconsin/Publications/Crop Progress & Condition/](http://www.nass.usda.gov/Statistics_by_State/Wisconsin/Publications/Crop_Progress_&_Condition/)

Scissors Cutting information website

<http://www1.umn.edu/mfgc/scissors.htm#Scissors%20Cut%20Sampling%20Procedure>

Estimating Alfalfa RFV in the Field Using PEAQ

<http://www.uwex.edu/ces/crops/PEAQTabl.PDF>

Questions?

For more information about these scissors cuttings or any other questions contact:

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