

May 14, 2012 Alfalfa Harvest Alert / Scissors-Cut Information

Central Minnesota Forage Council, U of M Extension, Farm and Business Cooperators

Chart starts with all farms for most recent test - followed by all tests for individual farms.

Farms are listed somewhat from south to north. Watch 3-4 samples for trend line.

"Hgt" is height of tallest stems in 2 foot square sample area.

* Last Data from a Previous Date.

"Mat" is Maturity of most mature stem 1=Veg 2=Bud 3=Flower

	Farm	County	Town	Hgt	Mat	PEAQ	RFV	RFQ	ADF	NDF	NDFd	CP
1	Stocker	Scott	Jordan	23	veg	198	228		23.6	29		24.4
2	Lambrecht	Scott	Cologne	28	bud	165	167		29.6	36.7		21.2
3*	Dreier	Carver	Norwood	25	bud	175	197		27.1	32	Cut <5/14	
4	Hoehn	Carver	Bongard	21	bud	195	205		26.1	31.1		24.3
5	Wandersee	Carver	Watertown	26	bud	175	172		29.1	35.9		23.6
6	Kreinke	McLeod	Lester Prairie	27	bud	168	187	196	27.2	33.6	42.1	24.5
	Mohr	McLeod	Glencoe	19-26	80%Bd	185	average tallest stems			23.7		
*	Rickeman	McLeod	Hutchinson	19.5	veg	213	209		25.2	30.8	Cut 5/13	
7	Bohn	Meeker	Cedar Mills	11-24	60%Bd	224	208		25.9	30.7		24.3
8*	Poppler	Wright	Waverly	24	veg	190	188	185	27.2	33.5	CUT 5/9	
9*	Krause	Wright	W Buffalo	27	bud	168	190		27.6	33.1	CUT 5/12-13	
10	Gathje	Stearns	Eden Valley	22	veg	200	203		26.1	31.5		25.1
11	Maus	Stearns	S Freeport	20.5	veg	209	224		24.1	29.1		23.9
12	Frericks	Stearns	N Melrose	26	bud	172	262		20.9	25.8		26.2
13	Winkelman	Benton	E Duelm	19	bud	207	227	239	23.1	29.1	42.6	25.9
14	Scapanski	Benton	NE Sauk Rapids	19	bud	207	205	219	25.6	31.4	43.9	23.7
16		Spring Seeded 2011		21	bud	196	230	239	23.4	28.7	42.6	27.4
16	O & S Dairy	Benton	E Rice	22	bud	190	188	191	26.8	33.6	38.8	23.3
17		Field cut later last fall		19.5	bud	204	213	225	24.7	30.5	43.9	23.5
18	Roerick	Morrison	SW of Upsala	20	veg	211	243		22.7	27.3		25.8
19	Hales	Mo.Co.	Little Rock/Buckman	20.5	veg	208	225	237	24.0	29.0	42.9	25.1

*Data from previous sampling date yet as noted on pages below.

**As the new crop grows, we might expect old residue to be a smaller share of sample, and less significant

There is seldom a reason to remove old crop residue in the spring. Weeds can be an issue too.

Key Points:

For scissors-cut sampling the goal is to have at least **3 tests that are 3-4 days apart** to establish a trend that is more reliable than an one-time sample.

Hay or Haylage in the feed bunk can be expected to have an RFV that is 15 to 25 points lower than the fresh-cut sample test or what the PEAQ stick or chart indicates because of harvest and storage loss.

Harvest might start when a fresh-cut sample or PEAQ RFV numbers are 15 to 25 points higher than the feed target. The PEAQ RFV number indicates what we could expect to see in a fresh-cut lab test.

NDF might be 3 to 6 points higher for harvested feed. Harvest might start with **fresh-cut samples or PEAQ NDF is 3-6 points lower** than feed targets.

When alfalfa gets to be **22 to 24 to 26 inches tall, buds are likely** to start to form and dairy producers might watch for a good **weather window** to harvest.

Livestock producers will have **different quality targets** based on the type of animals, other ration ingredients, and **past experience** with harvest and feeding of hay products.

It can be useful for livestock producers who work with **nutrition advisor** to talk with their nutrition advisor about harvest targets and strategies.

Stocker - Scott - Jordan

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/10	21	prebd	210	215		24.3	30.2		24.3		
5/14	23	veg	198	228		23.6	29		24.4		

Lambrech - Scott Co - Belle Plain

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/3	22	veg	200	193		28.1	32.4		26.2		
5/7	24	veg	190	172		29.1	35.7		24.0		
5/10	26	Ebud	175	188		28.1	33.1		23.8		
5/14	28	bud	165	167		29.6	36.7		21.2		

Dreier - Carver Co - Norwood

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
4/25	14	veg	>240	284		20.2	23.9		26.1		
4/30	16.5	veg	235	235	242	23.5	27.9	40.4	26.9		
5/3	21	veg	207	186		27.6	33.7		25.8		
5/7	24	bud	180	187		27.8	33.4		25.6		
5/10	25	bud	175	197		27.1	32		23.0		Cut <5/14

Hoer - Carver Co - Bongard

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
4/30	14	veg	>240	264	274	21.5	25.4	40.4	27.8		
5/3	17	veg	230	229		23.5	28.6		26.6		
5/7	19	bud	210	191		27.4	32.8		26.0		
5/10	20	bud	200	194		27.4	32.5		23.1		
5/14	21	bud	195	205		26.1	31.1		24.3		

Wandersee - Carver - Watertown

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/3	15	veg	245	201		25.2	32.0		24.7		
5/7	19	veg	220	196		26.3	32.5		25.4		
5/10	23.5	veg	190	217		24.4	30.0		24.6		
5/14	26	bud	175	172		29.1	35.9		23.6		

Kreinke - McLeod - Lester Prairie

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/7	20	veg	220	231	245	22.7	28.7		25.9		
5/10	23	veg	200	269	283	20.8	25.3	40.7	24.9		
5/14	26	bud	175	172		29.1	35.9		23.6		

Bohn - Meeker - Cedar Mills

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/3	13.1	Veg	>250	207		25.1	31.1		26.3		
5/7	15	veg	227	197		26.6	32.2		25.5		Hgt 9-20
5/10	17.5	veg	224	208		25.9	30.7		24.3		
5/14	19.3	60%Bd	224	208		25.9	30.7		24.3		Hgt 11-24

Poppler - Wright Co - near Waverly

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
4/30	18	Veg	224	270	275	20.9	25.0	40.5	29.1		
5/7	24	veg	190	188	185	27.2	33.5	35.4	26.2		CUT May 9

Krause - Wright Co - west of Buffalo

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/3	18	veg	224	No Lab Sample							
5/7	24	veg	190	170		30.7	35.6		23.9		
5/10	27	bud	168	190		27.6	33.1		22.7		Cut 5/13

Gathje - Stearns Co- northeast of Eden Valley

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/3	18	veg	245	225		24.9	28.7		29.3		
5/7	17.5	veg	227	215		25.2	29.9		27.3		
	2 minutes of marble size hail on Sat May 5 6:30 p.m.										
5/10	20	veg	210	216		24.9	29.9		26.8		
5/14	22	veg	200	203		26.1	31.5		25.1		

Maus - Stearns Co - south of Freeport

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/7	17	VEG	230	247		23.0	26.8		26.8		
5/10	18	VEG	224	252		21.7	26.5		25.1		
5/14	20.5	veg	209	224		24.1	29.1		23.9		

Frericks - Stearns Co 4 miles - north of Melrose

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/3	17	veg	233	273		20.8	24.8		26.8		
5/7	20.5	veg	215	264		20.5	25.6		25.0		
5/10	22	veg	200	224		23.4	29.4		23.5		
5/14	26	bud	172	262		20.9	25.8		26.2		

Winkelman - Benton Co - east of Duelm

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/3	10-13	veg	>250	238	235	22.6	27.8	38	27.3		
5/7	14	veg	>240	251	256	21.4	26.8	37.4	28.4		Ave 2 Samples
5/10	15	veg	245	240	253	22.6	27.8	41.2	25.2		Ave 2 Samples
5/14	19	bud	207	227	239	23.1	29.1	42.6	25.9		Ave 2 Samples

D Scapanski - Benton Co - 8 miles NE of Sauk Rapids - Older Stand

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/3	10-13	veg	245	195	193	26.6	32.5	39.8	24.1		
5/7	12-14	veg	>240	214	220	24.2	30.3	38.9	26.5		Ave 2 Samples
5/10	15	veg	245	226	242	23.5	29.2	43.8	25.8		Ave 2 Samples
5/14	19	bud	207	205	219	25.6	31.4	43.9	23.7		Ave 2 Samples

D Scapanski - Benton Co - East of Rice -2011 Spring Seeded

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/3	12	veg	>250	252	254	21.5	26.4	40.3	29.5		
5/7	14	veg	>240	256	268	21.2	26.3	41.4	30.6		
5/10	17	veg	230	240	254	22.5	27.7	42.1	26.8		
5/14	21	bud	196	230	239	23.4	28.7	42.6	27.4		

O & S Dairy - Benton Co - East of Rice old crop residue removed

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/3	15	veg	245	235	248	22.3	28.3	41.8	26.6		
5/7	17	veg	230	218	224	23.8	30.0	38.1	25.0		
5/10	19	veg	217	217	227	23.9	30.1	40.1	24.8		
5/14	22	bud	190	188	191	26.8	33.6	38.8	23.3		

O & S Dairy - SAME FIELD WITH OLD CROP RESIDUE

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/3	15	veg	245	154	155	30.8	39.4	38.6	22.6		
5/7	17	veg	230	129	121	35.4	44.2	33.0	19.3		
5/10	19	veg	217	141	135	33.4	41.6	34.7	29.8		
5/14	22	bud	190	161	162	29.6	38.0	38.6	21.2		

Old crop residue should be less significant as new crop grows. This varies a lot with what is sampled.

Roerick - Morrison Co - southwest of Upsala

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/10	15	veg	237	222		25.1	29.1		26.9		
5/14	20	veg	211	243		22.7	27.3		25.8		

Morrison Co - between Little Rock and Buckman

Date	Height	Mat	PEAQ RFV	RFV	RFQ	ADF	NDF	NDFd	CP	GDD	Notes
5/14	20.5	veg	208	225	237	24.0	29.0	42.9	25.1		

Cooperating Agri-Businesses

Vita Plus, Barry Viser and Jack Hales

Waconia Farm Supply, Bob Nelson and Rich Schug

Famo Feeds and Hutchinson Coop with Rod Riewer

Cooperating Labs Stearns DHIA Lab at Sauk Centre

Dairyland Lab at Sauk Rapids

Extension Educators

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NOTES

4/24 Charles Krause at Buffalo reported some alfalfa being 14 inches tall

4/26 Field at Winkelman's near Duelm mostly 6-8-10 inches tall. Some plants in older stands look a little pale. Cut in the fall with little regrowth going into winter. Some brown frosted leaf edges from 5/20-22.

4/27 Scapanski's SE of Mayhew Lake mostly 6-8-10 inches tall in older stands with little fall regrowth. New seeding from spring 2011 is a little shorter but more uniform.

4/27 O & S Dairy East of Rice Field with a lot of old crop residue 10-14 inches tall. Other fields with old crop residue 8-12 inches. Other fields 6-8 inches.

5/1 Stormy Rainy weather in the evening, some areas got as much as 2 inches.

5/7 Mostly rainy and cloudy since May 3 sampling. In Foley about 4 inches of rain since last Tuesday.

MORE VARIATION IN 2012 from field to field, farm to farm, make it **IMPORTANT TO CHECK** what your fields are like. Buds are showing up in some fields. Some fields around 24 inches, lab tests are looking like **some producers will be taking a closer look** at the weather and field conditions related to harvest before too long. Fields on the same farm might vary by 10 days or more for harvest.

Dan Moscho, Dairyland Lab shared yesterday, that in SW MN where harvest is being considered, they are seeing second crop shoots starting at the crown. We'd like to avoid clipping second crop shoots with first crop harvest - something to check.

In the Pierz area and 3-4 miles north on Tuesday May 8, the better looking alfalfa seemed to be 12-13 inches tall. Here too VARIATION is key to keep in mind.

5/10 Harlan Poppler by Waverly cut fields on May 9.

Alfalfa Weevil - For the next 4-6 weeks maybe, keep an eye out for signs of feeding by the Alfalfa Weevil Larva (AWL). I have not seen or heard of great indications of AWL in our area yet this spring. There are reasons to think they could show up and be an issue. There should be plenty of moisture now for second crop alfalfa to start strong after first crop harvest. I readily see new shoots starting where I have clipped scissors-cut samples.

Plans are being made for more cutting next week where the crop is ready for the farmer's need.

5/14 It's NOT all the same.

~Craig Roerick shared a sample from the family dairy, measuring 22-24 inches, not quite bud stage, that tested 206 RFV and 221 RFQ about like expected. The lower part of the landscape measured 16-18". Craig figures it was hurt by frost.

~Got another call telling about alfalfa by Villard that was shorter than that, figured to be hurt earlier by frost.

~Where there are significant plant height difference in the field, it might be useful to dig a few roots of shorter and taller plants and split them to see if there is consistently more root damage in short plants

~Found 3 Clover Leaf Weevil Larva while picking old crop residue out of a sample. They were about 3/16 inch long. Similar to Alfalfa Weevil but CLW have tan/brown head not black like AWL.