

May 23, 2011 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.

"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 | 21 | 1 | 205 | 198 | | 25.1 | 32.6 | | 25.7 |
| 2 | Lambrecht | Scott | Belle Plain | 24 | 1 | 190 | 203 | | 26.7 | 31.1 | | 25.3 |
| 3 | Dreier | Carver | Norwood | 20 | 1 | 212 | 207 | | 25.5 | 31.0 | | 25.8 |
| 4 | Hoehn | Carver | Bongard | 23 | 2 | 185 | 179 | | 28.3 | 34.8 | | 25.2 |
| 5 | Wandersee | Carver | Watertown | 21.5 | 1 | 205 | 191 | | 26.6 | 33.3 | | 24.4 |
| 6 | Anderson | McLeod | Lester Prairie | 20 | 2 | 202 | 186 | 188 | 26.9 | 33.9 | 46.3# | 24.6 |
| 7 | Bohn | Meeker | Cedar Mills | 18.9 | 2 | 207 | 193 | 195 | 27.1 | 32.7 | 45.8# | 25.1 |
| 8 | Poppler | Wright | Waverly | 25 | 1 | 185 | 182 | 191 | 27.6 | 34.4 | 44.5 | 23.8 |
| 9 | Krause | Wright | W Buffalo | 21 | 1 | 205 | 193 | | 27.8 | 32.3 | | 24.3 |
| 10 | Gathje | Stearns | Eden Valley | 18 | 1 | 224 | 226 | | 24.8 | 28.6 | | 26.7 |
| 11 | Maus | Stearns | S Freeport | 18 | 1 | 224 | 221 | | 25.6 | 29.1 | | 25.2 |
| 12 | Frericks | Stearns | N Melrose | 22 | 1 | 211 | 191 | | 27.3 | 32.9 | | 25.1 |
| 13 | Winkelman | Benton | E Duelm | 21 | 1 | 205 | 184 | 191 | 26.4 | 34.4 | 44.7 | 25.2 |
| 14 | Scapanski | Benton | NE Sauk Rapids | 21 | 1 | 205 | 188 | 197 | 26.4 | 33.8 | 45.5 | 26.0 |
| 15 | O & S Dairy | Benton | E Rice | 22 | 1 | 205 | 150** | 173 | 32.5 | 39.4 | 58.2 | 24.2 |
| | O&S Sample with old crop residue* | | | 22 | 1 | 205? | 153 | 143 | 31.7 | 39.1 | 36.8 | 24.9 |
| 16 | Roerick | Morrison | SE Upsala | 20 | 1 | 211 | 207 | | 26.7 | 30.7 | | 26.0 |
| 17 | Pierz | Morrison | N Pierz | 21.5 | 1 | 204 | 221 | | 23.5 | 29.7 | | 27.8 |

* Old crop residue, grass, weeds can be a factor with variations that are difficult to predict.

** I'd guess there is some sampling "error" here; and at 22 inches I'd expect this to be in the 185 to 200 range like other fields measuring around 22 inches.

These NDFd's are at 48hr rating, others are at 30 hr

Stocker - Scott Co - Jordan

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|-------|
| 5/16 | | | | | | | | | | | |
| 5/19 | 18 | 1 | 220 | 252 | | 21.5 | 26.6 | | 25/4 | | |
| 5/23 | 21 | 1 | 205 | 198 | | 25.1 | 32.6 | | 25.7 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Lambrecht - Scott Co - Belle Plain

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|-------|
| 5/16 | 16 | 1 | 240 | 266 | | 21.7 | 25.2 | | 28.6 | | |
| 5/19 | 21 | 1 | 208 | 215 | | 25.4 | 29.9 | | 25.3 | | |
| 5/23 | 24 | 1 | 190 | 203 | | 26.7 | 31.1 | | 25.3 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Dreier - Carver Co - Norwood

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|-------|
| 5/16 | 14 | 1 | 252 | 231 | | 23.1 | 28.5 | | 25.0 | | |
| 5/19 | 17 | 1 | 230 | 249 | | 21.6 | 26.9 | | 24.1 | | |
| 5/23 | 20 | 1 | 212 | 207 | | 25.5 | 31.0 | | 25.8 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Hoen - Carver Co - Bongard

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|-------|
| 5/16 | 17 | 1 | 230 | 241 | | 22.2 | 27.6 | | 26.2 | | |
| 5/19 | 19 | 1 | 217 | 237 | | 23.0 | 27.9 | | 25.7 | | |
| 5/23 | 23 | 2 | 185 | 179 | | 28.3 | 34.8 | | 25.2 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Wandersee - Carver - Watertown

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|-------|
| 5/16 | 15 | 1 | 245 | 257 | | 21.5 | 26.1 | | 29.2 | | |
| 5/19 | 18 | 1 | 225 | 243 | | 21.9 | 27.5 | | 25.0 | | |
| 5/23 | 21.5 | 1 | 205 | 191 | | 26.6 | 33.3 | | 24.4 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Anderson - McLeod - Lester Prairie

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|-------|
| 5/16 | | | | | | | | | | | |
| 5/19 | 14 | 1 | 252 | 14 | 1 | 252 | 242 | | 21.8 | | |
| 5/23 | 20 | 2 | 202 | 186 | 188 | 26.9 | 33.9 | 46.3 | 24.6 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Bohn - Meeker - Cedar Mills

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|------|-----|------|------|------|------|------|-------|
| 5/16 | | | | | | | | | | | |
| 5/19 | 17.6 | 1 | 227 | 17.6 | 1 | 227 | 238 | | 22.0 | 28.1 | 25.9 |
| 5/23 | 18.9 | 2 | 207 | 193 | 195 | 27.1 | 32.7 | 45.8 | 25.1 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Poppler - Wright Co - near Waverly

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|-------|
| 5/16 | 18 | 1 | 225 | 275 | 299 | 20.3 | 24.7 | 49.5 | 27.6 | | |
| 5/19 | 20.5 | 1 | 208 | 268 | 284 | 20.0 | 25.5 | 45.9 | 26.3 | | |
| 5/23 | 25 | 1 | 185 | 182 | 191 | 27.6 | 34.4 | 44.5 | 23.8 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Krause - Wright Co - west of Buffalo

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|-------|
| 5/16 | 15.5 | 1 | >240 | 274 | | 20.8 | 24.7 | | 26.9 | | |
| 5/19 | 17 | 1 | 230 | 236 | | 23.7 | 27.8 | | 25.5 | | |
| 5/23 | 21 | 1 | 205 | 193 | | 27.8 | 32.3 | | 24.3 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Gathje - Stearns Co- northeast of Eden Valley

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|-------|
| 5/16 | | | | | | | | | | | |
| 5/19 | | | | | | | | | | | |
| 5/23 | 18 | 1 | 224 | 226 | | 24.8 | 28.6 | | 26.7 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Gathje - Grass Hay

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|--------|
| 5/16 | | | | | | | | | | | |
| 5/19 | | | | | | | | | | | |
| 5/23 | 18 | | | 102 | | 34.0 | 56.6 | | 19.7 | | TDN 64 |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Maus - Stearns Co - south of Freeport

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|-------|
| 5/16 | | | | | | | | | | | |
| 5/19 | 15 | 1 | 240 | 279 | | 20.8 | 24.2 | | 24.8 | | |
| 5/23 | 18 | 1 | 224 | 221 | | 25.6 | 29.1 | | 25.2 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Frericks - Stearns Co 4 miles - north of Melrose

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|-------|
| 5/16 | | | | | | | | | | | |
| 5/19 | 17 | 1 | 237 | 258 | | 21.9 | 25.9 | | 26.4 | | |
| 5/23 | 22 | 1 | 211 | 191 | | 27.3 | 32.9 | | 25.1 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Winkelman - Benton Co - east of Duelm

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|-------|
| 5/16 | | | | | | | | | | | |
| 5/19 | 15 | 1 | 240 | 259 | 275 | 20.6 | 26.2 | 46.1 | 25.2 | | |
| 5/23 | 21 | 1 | 205 | 184 | 191 | 26.4 | 34.4 | 44.7 | 25.2 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

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

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|-------|
| 5/16 | 14.3 | 1 | >240 | 276 | | 19.5 | 24.9 | 54.1 | 25.6 | | Notes |
| 5/19 | 17 | 1 | 230 | 225 | 245 | 22.7 | 29.5 | 49.6 | 25.5 | | |
| 5/23 | 21 | 1 | 205 | 188 | 197 | 26.4 | 33.8 | 45.5 | 26.0 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

O & S Dairy - Benton Co - East of Rice

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|-------|------|-----|-------|
| 5/16 | 14.5 | 1 | >240 | 284 | 304 | 19.4 | 24.2 | 52.75 | 28.2 | | |
| 5/19 | 17.5 | 1 | 227 | 242 | 249 | 22.0 | 27.6 | 43.2 | 26.0 | | |
| 5/23 | 22 | 1 | 205 | 150 | 173 | 32.5 | 39.4 | 58.2 | 24.2 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

O & S Dairy - WITH OLD CROP RESIDUE

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|-------|
| 5/16 | | | | | | | | | | | |
| 5/19 | 17.5 | 1 | 227? | 163 | 162 | 29.4 | 37.7 | 40.6 | 23.8 | | |
| 5/23 | 22 | 1 | 205? | 153 | 143 | 31.7 | 39.1 | 36.8 | 24.9 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Roerick - Morrison Co - southeast of Upsala

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|-------|
| 5/16 | | | | | | | | | | | |
| 5/19 | | | | | | | | | | | |
| 5/23 | 20 | 1 | 211 | 207 | | 26.7 | 30.7 | | 26.0 | | |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Pierz - Morrison Co - north of Pierz

2011 Scissors-Cut Harvest Alert Information

| Date | Height | Mat | PEAQ | RFV | RFQ | ADF | NDF | NDFd | CP | GDD | Notes |
|------|--------|-----|------|-----|-----|------|------|------|------|-----|----------|
| 5/16 | | | | | | | | | | | |
| 5/19 | | | | | | | | | | | |
| 5/23 | 21.5 | 1 | 204 | 221 | | 23.5 | 29.7 | | 27.8 | | Ave of 2 |
| 5/26 | | | | | | | | | | | |
| 5/30 | | | | | | | | | | | |

Cooperating Agri-Businesses

Vita Plus, Barry Viser and Jack Hales

Waconia Farm Supply, Bob Nelson and Rich Schug

Munson Lakes Nutrition, Nutritionist Mike Foust

Famo Feeds and Hutchinson Coop with Rod Riewer

Cooperating Labs Stearns DHIA Lab at Sauk Centre

Dairyland Lab at Sauk Rapids

Extension Educators

Laura Kieser, Carver / Scott Counties

952-466-5300

Nathan Winter, McLeod / Meeker Counties

320-484-4334

Dan Martens, Stearns / Benton / Morrison Counties

1-800-964-4929

NOTES

5/16 Some people have wondered if a shorter than normal crop at this point, with coarse stems, is more mature related to its height. Lab tests show the feed quality is NOT lower than we'd expect for this height, maybe better. Remember we like to have 3 samples for confidence related to possible sampling variations.

Cool weather tends to reduce fiber, increase fiber digestibility, and reduce protein.

These fields measured 23 to 26 inches on May 17 last year.

We will be adding some additional sites along the way.

5/23 Common reports of 2.5 inches of rain from last Friday through Sunday. Can find the beginning of buds forming on some stems in Benton County samples if I pick away at the top of some stems. Would not call it bud stage yet. It looks like next week will be the week we'd like to see some good weather and field conditions for making hay planting corn, planting soybeans. Planters may get parked for hay making where dairy quality hay is important. Barry Visser at Poppler's: "buds on the verge."

Alfalfa Weevil. Eggs start to hatch at about 300 growing degree days based on a 48 degree minimum.

The MN/WI GDD model at <http://www.soils.wisc.edu/uwex> shows Stearns, Benton and Morrison

Counties in an area with between 200 and 300 GDD. We'd start to look for larvae after 300 GDD.

There may be warmer pockets in communities that have reached 300 GDD.