



Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN MN,
UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, AND USDA-NRCS

HEAVY RAINS LIMIT FIELDWORK

Fieldwork was limited due to wet conditions; however, producers planted 16 percent of the state's sweet corn crop and nearly completed green pea plantings for the year, according to USDA, NASS, Minnesota Field Office. Corn and soybean crops continued to emerge rapidly. Crop conditions were rated mostly good to excellent in spite of heavy rains and strong storms that occurred during the past week.

The average temperature for the week was 61.6°, 1.4° below normal. Statewide topsoil moisture supplies as of Friday were rated 0 percent very short, 1 short, 68 adequate, and 31 surplus. Statewide, on average, there were 2.8 days suitable for fieldwork during the week.

As of Sunday, June 8th, corn emerged was 94 percent complete compared to 99 percent last year and 97 percent for the 5-year average.

Soybeans were 95 percent planted compared to 99 percent last year and 96 percent average. Soybeans were 71 percent emerged compared to 93 percent last year and 77 percent average.

Spring Wheat was 13 percent jointing compared to 34 percent last year and 26 percent average. Oats were 17 percent jointing compared to 54 percent last year and 39 percent average. Barley was 9 percent jointed compared to 42 percent last year and 28 percent average.

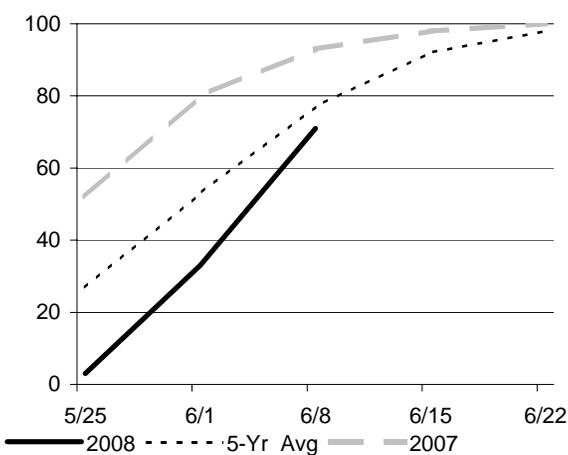
As of Friday, June 6th, 67 percent of corn, 64 percent of soybeans, and 82 percent of spring wheat were rated in good or excellent condition. Seventy-nine percent of oats and barley, 54 percent of potatoes, 61 percent of sugarbeets, 65 percent of alfalfa, and 67 percent of pasture were rated in good or excellent condition.

| Days Suitable for Fieldwork: 2.8 | | | | |
|----------------------------------|---------------------|-------|----------|---------|
| | Very Short | Short | Adequate | Surplus |
| | ----- Percent ----- | | | |
| Topsoil Moisture | 0 | 1 | 68 | 31 |

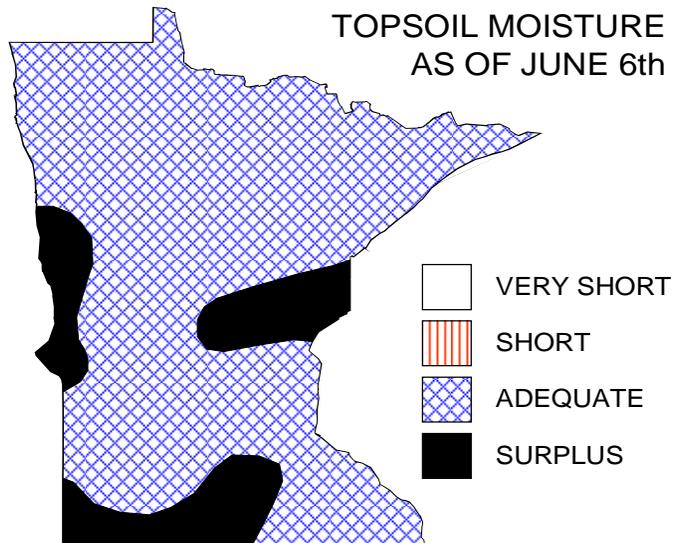
| Crop Progress as of June 8, 2008 | | | | | |
|----------------------------------|----------------------|---------------------|-----------|-----------|----------|
| Crop | Stage of Development | This Week | Last Week | Last Year | 5 Yr Avg |
| | | ----- Percent ----- | | | |
| Corn | Emerged | 94 | 72 | 99 | 97 |
| Soybeans | Planted | 95 | 90 | 99 | 96 |
| | Emerged | 71 | 33 | 93 | 77 |
| Spring Wheat | Emerged | 95 | 88 | 100 | 98 |
| | Jointing | 13 | 5 | 34 | 26 |
| | Heading | 0 | N/A | 2 | 1 |
| Oats | Emerged | 96 | 85 | 100 | 98 |
| | Jointing | 17 | 7 | 54 | 39 |
| | Heading | 0 | N/A | 4 | 3 |
| Barley | Emerged | 98 | 87 | 100 | 97 |
| | Jointing | 9 | 3 | 42 | 28 |
| | Heading | 0 | N/A | 4 | 2 |
| Sweet Corn | Planted | 63 | 47 | 82 | 74 |
| Green Peas | Planted | 92 | 82 | 98 | 97 |
| Dry Beans | Planted | 94 | 83 | 94 | 86 |
| Canola | Planted | 92 | 71 | 100 | 95 |
| Sunflowers | Planted | 99 | 90 | 99 | 89 |
| Alfalfa | First Cutting | 9 | 7 | 48 | 40 |

| Crop Condition as of June 6, 2008 | | | | | |
|-----------------------------------|---------------------|------|------|------|-----|
| | Very Poor | Poor | Fair | Good | Exc |
| | ----- Percent ----- | | | | |
| Corn | 1 | 3 | 29 | 58 | 9 |
| Soybeans | 1 | 3 | 32 | 57 | 7 |
| Spring Wheat | 0 | 3 | 15 | 63 | 19 |
| Oats | 0 | 1 | 20 | 63 | 16 |
| Barley | 0 | 3 | 18 | 63 | 16 |
| Potatoes | 0 | 2 | 44 | 49 | 5 |
| Sugarbeets | 1 | 4 | 34 | 54 | 7 |
| Alfalfa | 1 | 4 | 30 | 54 | 11 |
| Pasture | 1 | 4 | 28 | 55 | 12 |

SOYBEANS EMERGED
MAY 25 - JUNE 15



TOPSOIL MOISTURE
AS OF JUNE 6th



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING June 8, 2008:
 Temperatures averaged from 4.0 degrees below normal in the Northwest District to 1.3 degrees above normal in the Southeast District. Extremes: 33 degrees in International Falls, 84 degrees in Browns Valley, Winnebago. Precipitation averaged from 0.36 inch above normal in the East Central District to 2.49 inches above normal in the Northeast District. Greatest weekly total was 6.30 inches recorded in Preston.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 6/2/2008 through 6/8/2008

| | Temperature | | | | Precipitation | | | | G D D | |
|--------------------|-------------|-----|----------|------------------|---------------|------------------|-----------------|-----------|--------------|------------------|
| | High | Low | Week Ave | Depart from Norm | Week Total | Depart Past Week | From Four Weeks | Since 4/1 | Since May 14 | Depart from Norm |
| <u>NW DIST 1</u> | | | | | | | | | | |
| Crookston | 80 | 47 | 59.5 | -3.5 | 1.78 | 1.00 | .12 | -.76 | 251 | -64 |
| Moorhead | 77 | 48 | 59.0 | -4.7 | 2.33 | 1.53 | .65 | 1.58 | 286 | -43 |
| Warroad | 75 | 39 | 56.5 | -3.9 | 1.53 | .72 | .47 | .81 | 208 | -52 |
| <u>NC DIST 2</u> | | | | | | | | | | |
| Grand Rapids | 80 | 45 | 57.8 | -2.9 | 1.79 | .82 | .25 | 4.67 | 243 | -27 |
| Intl. Falls | 75 | 33 | 54.8 | -4.7 | .70 | -.18 | 1.13 | 2.06 | 204 | -50 |
| Itasca | 79 | 43 | 56.8 | -2.5 | 3.19 | 2.25 | 1.63 | 4.81 | 210 | -36 |
| <u>NE DIST 3</u> | | | | | | | | | | |
| Duluth | 76 | 45 | 55.9 | -1.6 | 2.93 | 2.01 | 1.12 | 3.46 | 184 | -30 |
| Grand Marais | 67 | 41 | 51.7 | .7 | 5.62 | 4.87 | 3.90 | 7.00 | 117 | -6 |
| Hibbing | 79 | 37 | 54.9 | -3.9 | 1.49 | .60 | -.16 | 2.40 | 206 | -32 |
| <u>WC DIST 4</u> | | | | | | | | | | |
| Alexandria | 74 | 48 | 59.4 | -3.2 | 1.93 | .93 | -.55 | -.22 | 252 | -55 |
| Browns Valley | 84 | 52 | 62.2 | -2.4 | 2.73 | 2.02 | .94 | 2.82 | 298 | -47 |
| Canby | 82 | 51 | 63.8 | -2.1 | 2.28 | 1.37 | .08 | 2.48 | 301 | -64 |
| Fergus Falls | 82 | 34 | 55.2 | -7.9 | 1.99 | 1.15 | -.44 | 2.46 | 237 | -78 |
| Montevideo | 76 | 52 | 62.6 | -2.5 | 2.14 | 1.18 | -.22 | 1.05 | 300 | -48 |
| Morris | 83 | 51 | 61.3 | -3.2 | 1.57 | .71 | -.66 | .99 | 271 | -72 |
| <u>CENT DIST 5</u> | | | | | | | | | | |
| Becker | 82 | 55 | 63.9 | 1.2 | 1.24 | .23 | .51 | 3.67 | 278 | -31 |
| Collegeville | 78 | 50 | 62.2 | -3.0 | 2.46 | 1.38 | 1.04 | 3.42 | 293 | -66 |
| Hutchinson | 82 | 53 | 65.0 | -.5 | .88 | -.12 | -1.37 | 1.28 | 306 | -53 |
| Olivia | 80 | 53 | 63.2 | -2.1 | 1.63 | .63 | -.68 | 1.71 | 297 | -57 |
| St. Cloud | 77 | 53 | 62.0 | -.7 | 1.61 | .59 | .01 | 1.95 | 273 | -36 |
| Staples | 80 | 46 | 58.5 | -2.4 | 2.27 | 1.32 | .01 | 1.26 | 207 | -73 |
| Willmar | 83 | 53 | 63.8 | -1.1 | 1.18 | .02 | -1.13 | 1.52 | 281 | -66 |
| <u>EC DIST 6</u> | | | | | | | | | | |
| Aitkin | 75 | 46 | 59.2 | -.7 | 2.00 | 1.07 | .16 | 2.62 | 238 | -20 |
| Forest Lake | 83 | 53 | 64.6 | .4 | .85 | -.17 | .01 | 2.64 | 297 | -41 |
| MSP Airport | 80 | 56 | 66.0 | .2 | 1.41 | .44 | -1.27 | .40 | 325 | -42 |
| St. Paul - UofM | 80 | 55 | 66.2 | -.4 | 1.22 | .10 | -2.20 | .66 | 335 | -48 |
| <u>SW DIST 7</u> | | | | | | | | | | |
| Lamberton | 83 | 56 | 65.6 | -.6 | 1.93 | 1.05 | -.44 | 1.13 | 326 | -45 |
| Pipestone | 83 | 54 | 64.2 | -.3 | 2.83 | 1.92 | .59 | 1.70 | 289 | -51 |
| Redwood Falls | 77 | 54 | 64.3 | -2.9 | 1.27 | .36 | -.39 | 1.78 | 328 | -65 |
| Worthington | 82 | 56 | 65.3 | .9 | 2.19 | 1.15 | 1.84 | 3.26 | 305 | -30 |
| <u>SC DIST 8</u> | | | | | | | | | | |
| Faribault | 81 | 53 | 64.8 | .1 | 2.10 | 1.14 | .84 | 3.19 | 303 | -35 |
| Mankato | 83 | 54 | 65.4 | -.2 | 1.96 | .72 | -.22 | 1.87 | 318 | -41 |
| Waseca | 81 | 55 | 66.2 | .8 | 1.74 | .78 | .28 | 1.85 | 317 | -40 |
| Winnebago | 84 | 54 | 66.6 | .6 | 1.72 | .66 | -.62 | 3.29 | 340 | -27 |
| <u>SE DIST 9</u> | | | | | | | | | | |
| Preston | 82 | 49 | 68.0 | 4.3 | 6.30 | 5.27 | 4.34 | 9.69 | 317 | -1 |
| Red Wing | 81 | 53 | 65.2 | .1 | 1.32 | .42 | -.95 | 1.64 | 296 | -54 |
| Rochester | 80 | 55 | 67.0 | 3.4 | 3.18 | 2.30 | 1.69 | 3.67 | 327 | 8 |
| Rosemount | 80 | 54 | 64.2 | -.2 | 2.22 | 1.17 | -.49 | 2.14 | 284 | -50 |
| Winona | 80 | 55 | 66.6 | -.7 | 1.69 | .81 | .10 | 4.67 | 311 | -84 |

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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