



Crops & Weather

National Agricultural Statistics Service
Minnesota Field Office

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In Cooperation with the Minnesota Department of Agriculture, National Weather Service – Chanhassen MN,
Univ. of Minn. Extension Service, DNR State Climatology Office, USDA-FSA, USDA-NRCS, and Local FACs

Released October 28, 2013

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Minnesota's harvest advanced rapidly during the week ending October 27, 2013 according to the USDA, National Agricultural Statistics Service. Minnesota had 5.3 days rated suitable for fieldwork. Minnesota's average temperature was 6.0 degrees below normal at 36.0 degrees. The average precipitation statewide was 0.42 inch below normal at 0.08 inch. Topsoil and subsoil moisture supplies were 91 and 73 percent adequate to surplus, respectively. North Central Minnesota had the coldest average temperature at 34.3 degrees. The wettest region was East Central with 0.22 inch average precipitation.

More than one-quarter of Minnesota's corn for grain was harvested during the week, advancing to 48 percent complete. Average corn moisture at harvest remained at 21 percent. Corn condition improved slightly to 3 percent very poor, 7 percent poor, 31 percent fair, 47 percent good and 12 percent excellent. For the first time this season, soybean progress was ahead of normal. Soybean harvest was 91 percent complete, 3 percentage points ahead of normal. The average moisture content of harvested soybeans also remained 13 percent.

Sugarbeets were 84 percent lifted, compared with last year's 90 percent. Canola was 93 percent harvested, compared to the normal 100 percent. Dry beans and potatoes were both nearly finished with 96 percent harvested. Sunflower harvest advanced 21 percentage points to 37 percent complete, remaining well behind the normal 67 percent. Pasture conditions improved to 39 percent good to excellent.

Soil Moisture Levels as of October 27, 2013

| | Very Short | Short | Adequate | Surplus |
|------------------|------------|---------|----------|---------|
| | Percent | Percent | Percent | Percent |
| Topsoil Moisture | 1 | 8 | 80 | 11 |
| Subsoil Moisture | 3 | 24 | 70 | 3 |

Crop Condition as of October 27, 2013

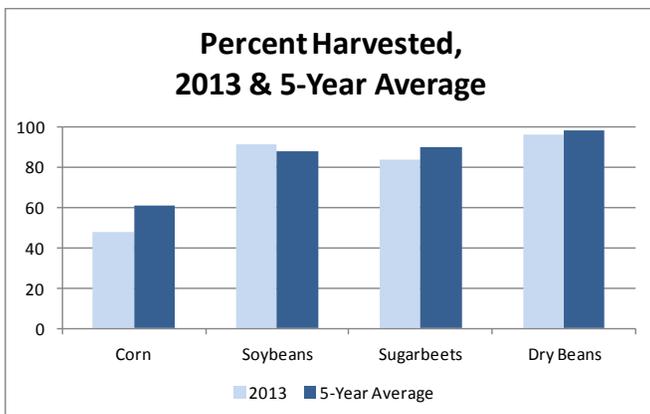
| | Very Poor | Poor | Fair | Good | Exc. |
|---------------|-----------|------|------|------|------|
| Pasture | 6 | 14 | 41 | 38 | 1 |
| Corn | 3 | 7 | 31 | 47 | 12 |

Crop Progress as of October 27, 2013

| | This Week | Last Week | Last Year | 5 Yr Avg. |
|-----------------------------|-----------|-----------|-----------|-----------|
| Days Suitable for Fieldwork | 5.3 | 3.0 | 4.3 | 4.3 |

| | Percent | Percent | Percent | Percent |
|----------------------------------|---------|---------|---------|---------|
| Corn harvested | 48 | 19 | 98 | 61 |
| Corn, percent moisture | 21 | 21 | NA | NA |
| Soybeans harvested | 91 | 80 | 100 | 88 |
| Soybeans, percent moisture | 13 | 13 | NA | NA |
| Sugarbeets harvested | 84 | 66 | 92 | 90 |
| Canola harvested | 93 | 90 | 100 | 100 |
| Dry Beans harvested | 96 | 90 | 100 | 98 |
| Potatoes harvested | 96 | 88 | 100 | 100 |
| Sunflowers, harvested | 37 | 16 | 99 | 67 |

NA – Not Available



The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>

Precipitation and Temperature Summary for 10/21/2013 through 10/27/2013

| | Temperature | | | | Precipitation | | | | G D D | |
|-------------------------------|-------------|-----|--------------|------------------|---------------|--------------------|------------|-----------|-------------|------------------|
| | High | Low | Week Average | Depart from Norm | Week Total | Depart From Normal | | | Since 05/16 | Depart From Norm |
| | | | | | | Past Week | Four Weeks | Since 4/1 | | |
| NORTHWEST DISTRICT | | | | | | | | | | |
| Crookston | 60 | 26 | 35.8 | -3.5 | 0.1 | -0.33 | 0.45 | -5.04 | 2412 | 246 |
| Itasca | 55 | 26 | 33.2 | -5 | 0.26 | -0.32 | -0.20m | -6.35m | 1237m | -639m |
| Moorhead | 60 | 26 | 37.8 | -3.7 | 0.01 | -0.42 | 2.16 | 8.94 | 2612 | 232 |
| Pembina, ND | 56 | 24 | 34.1 | -3.3 | 0 | -0.35 | -0.56 | 1.92 | 2068 | 120 |
| Warroad | 50 | 26 | 35.2 | -3.1 | 0.2 | -0.25 | -0.93m | -5.94m | 1859m | -55m |
| NORTH CENTRAL DISTRICT | | | | | | | | | | |
| Grand Rapids | 51 | 24 | 34.3 | -5.7 | 0.11 | -0.46 | 0.73 | -3.57 | 2107 | 68 |
| Intl. Falls | 49 | 26 | 34.2 | -3.3 | 0.16 | -0.25 | 0.11 | 4.7 | 1938 | 203 |
| NORTH EAST DISTRICT | | | | | | | | | | |
| Duluth | 50 | 25 | 35.3 | -4.4 | 0.03 | -0.54 | 1.07 | -2.1 | 2083 | 291 |
| Grand Marais | 46 | 29 | 37.2 | -3.9 | 0.02 | -0.64 | -0.63 | 5.71 | 1225 | -253 |
| Hibbing | 51 | 25 | 34.9 | -2.3 | 0.09 | -0.39 | 1.24 | -0.57 | 1997 | 384 |
| WEST CENTRAL DISTRICT | | | | | | | | | | |
| Alexandria | 59 | 24 | 36.4 | -5 | 0 | -0.46 | 1.22m | -2.09m | 2466 | 162 |
| Breckenridge | 43m | 26m | 35.2 | -5.4m | .18m | -.29m | 2.55m | .39m | 2340m | 10m |
| Browns Valley | M | M | M | M | M | M | 3.38m | .86m | 2193m | -181m |
| Canby | 62 | 26 | 38 | -5.7 | 0.01 | -0.48 | 0.73 | 4.46m | 2556m | -12m |
| Montevideo | 62 | 20 | 35.9 | -6.8 | 0 | -0.47 | .58m | 4.62m | 2522 | 66 |
| Morris | 61 | 24 | 34.7 | -6.8 | 0.09 | -0.42 | 1.06 | 2.27 | 2423 | 92 |
| Wheaton | 61 | 26 | 35.6 | -6.2 | 0.08 | -0.33 | 3 | 1.12 | 2487 | 72 |
| CENTRAL DISTRICT | | | | | | | | | | |
| Becker | 58 | 25 | 36.6 | -6.8 | 0.07 | -0.48 | 0.92 | -6.5 | 2614 | 193 |
| Collegeville | 57 | 24 | 36.8 | -7.6 | 0 | -0.57 | 1.72 | -0.41 | 2544 | -20 |
| Hutchinson | 61 | 23 | 36.4 | -6.9 | 0.02 | -0.4 | 2.36m | 2.37m | 2615m | 111m |
| Melrose | 59 | 24 | 34.7 | -6.4 | 0.21 | -0.34 | 1.53 | 0.49 | 2394 | 152 |
| Olivia | 59 | 22 | 35.1 | -8.1 | 0 | -0.42 | 1.52 | 1.86 | 2414 | -21 |
| St. Cloud | 57 | 23 | 35.8 | -6.2 | 0 | -0.49 | 1.93 | -0.43 | 2430 | 142 |
| Wadena | M | M | M | M | M | M | .41m | -.31m | 2005m | -3m |
| Willmar | 61 | 22 | 34.3 | -9.1 | 0.05 | -0.43 | 1.9 | .02m | 2461 | -39 |
| EAST CENTRAL DISTRICT | | | | | | | | | | |
| Aitkin | 46 | 26 | 33.6 | -7.1 | 0.25 | -0.33 | 2.86 | 4.55m | 2035m | 53m |
| Forest Lake | 56 | 24 | 37.2 | -7.3 | 0.17 | -0.41 | 0.63 | -2.07 | 2625 | 115 |
| MSP Airport | 58 | 26 | 39 | -6.1 | 0 | -0.52 | 0.6 | 2.56 | 2946 | 254 |
| Mora | 50 | 29 | 36 | -5.3 | 0.57 | 0.02 | 3.38 | 0.91 | 2317 | 138 |
| St. Paul - UofM | 56 | 26 | 36.4 | -8.1 | 0.1 | -0.48 | 1.55 | 4.35 | 2577 | 67 |
| SOUTH WEST DISTRICT | | | | | | | | | | |
| Lamberton | 62 | 22 | 37 | -6.6 | 0.05 | -0.34 | 1.2 | -3.01 | 2686 | 164 |
| Marshall | 61 | 27 | 38.5 | -5.2 | 0.17 | -0.25 | 0.51 | -2.6 | 2781 | 205 |
| Pipestone | 61 | 22 | 37 | -5.7 | 0 | -0.46 | 0 | -1.66m | 2538m | 109m |
| Redwood Falls | 63 | 24 | 38.1 | -6 | 0 | -0.43 | 0.9 | -4.03 | 2750 | 149 |
| Sioux Falls | 63 | 24 | 39.2 | -4.9 | 0.11 | -0.33 | 0.76 | 0.57 | 2773 | 184 |
| SOUTH CENTRAL DISTRICT | | | | | | | | | | |
| Worthington | 59 | 26 | 38.4 | -5.4 | 0.01 | -0.38 | 2.05 | -1.91m | 2599m | 131m |
| North Mankato | 59 | 24 | 37.4 | -7.4 | 0 | -0.49 | 1.47 | -3.69m | 2586m | 25m |
| Owatonna | 56 | 23 | 35.4 | -9.3 | 0 | -0.49 | 0.61 | 2.19 | 2631 | 83 |
| Waseca | 57 | 21 | 34.8 | -9.6 | 0.03 | -0.53 | 0.98 | 5.02 | 2603 | 24 |
| Winnebago | 58 | 24 | 36.7 | -8.2 | 0 | -0.51 | 0.56 | 3.04 | 2733 | 140 |
| Cannon Falls | M | M | M | M | M | M | -1.28m | -3.39m | 1357m | -1068m |
| SOUTH EAST DISTRICT | | | | | | | | | | |
| La Crosse | 61 | 24 | 39.5 | -7.2 | 0.01 | -0.43 | 1.71 | 2.74 | 2904 | 153 |
| Preston | 53 | 19 | 34.9 | -9.6 | 0.03 | -0.45 | -0.87m | 5.85m | 2544 | 123 |
| Red Wing | 56 | 25 | 36.5 | -8.3 | 0.03 | -0.42 | 0.35 | -1.17 | 2713 | 136 |
| Rochester | 60 | 24 | 36.3 | -8.5 | 0 | -0.46 | -0.4 | 6.68 | 2584 | 81 |
| Rosemount | 56 | 23 | 35.2 | -9 | 0 | -0.61 | -0.5 | -2.73m | 2562 | 69 |
| Winona Dam | 54 | 26 | 36.7 | -9.1 | 0.09 | -0.39 | 1.47 | 5.12 | 2693 | 139 |

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.

Data in this summary are courtesy of National Weather Service Offices and Cooperators, and the University of Minnesota Agricultural Experiment Station. This summary is prepared by the Minnesota Extension Service Agricultural Meteorologist and the Department of Natural Resources State Climatology Office. URL://climate.umn.edu