



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

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This issue of the Weekly Crop Weather Report is the last for the 2013 growing season.

We would like to thank all the individuals who reported their local crop conditions and crop progress this season. Their efforts made this weekly publication possible. We would also like to thank the Minnesota Climatology Working Group for providing data on temperature, precipitation, and growing degree days.

Despite cold temperatures and snow, Minnesota farmers nearly finished corn harvest during the week ending November 24, 2013 according to the USDA, National Agricultural Statistics Service. Statewide weather conditions allowed for 5.4 days rated suitable for field work. Minnesota's average temperature was 3.6 degrees below normal at 23.9 degrees. Northwest Minnesota had the coldest average temperature at 17.9 degrees. The average precipitation was 0.29 inch below normal at .04 inch statewide. Southeast Minnesota had the most precipitation at 0.12 inch.

Topsoil moisture rated 0 percent short, 8 percent short, 86 percent adequate, and 6 percent surplus. Subsoil moisture rated 1 percent very short, 22 percent short, 75 percent adequate, and 2 percent surplus.

Corn for grain harvest advanced 4 percentage points to 98 percent complete, remaining ahead of the normal 92 percent. Minnesota's sunflower harvest advanced 7 percentage points to 93 percent complete, remaining slightly behind the normal 94 percent.

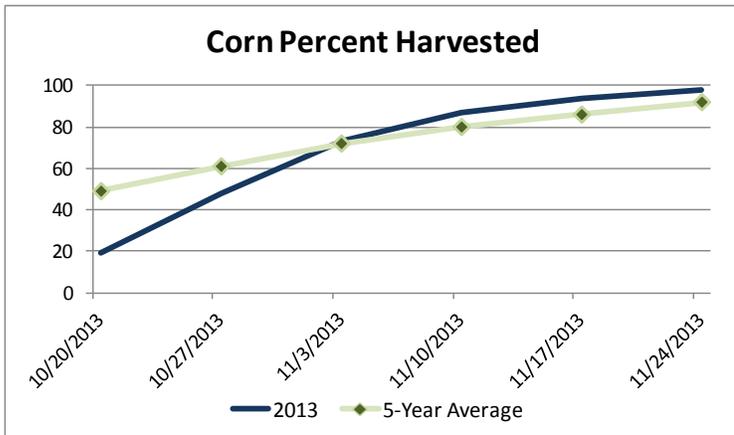
Soil Moisture Levels as of November 24, 2013

	Very Short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil Moisture	0	8	86	6
Subsoil Moisture	1	22	75	2

Crop Progress as of November 24, 2013

	This Week	Last Week	Last Year	5 Yr Avg.
	Days Suitable for Fieldwork	5.4	5.6	4.2

	Percent	Percent	Percent	Percent
Corn harvested	98	94	100	92
Sunflowers, harvested.....	93	86	100	94



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 11/18/2013 through 11/24/2013

	Temperature				Precipitation			
	High	Low	Week Average	Depart from Norm	Week Total	Depart From Normal		
						Past Week	Four Weeks	Since 11/1
NORTHWEST DISTRICT								
Crookston	46	-11	17.6	-6	0.01	-0.16	-0.87	-0.66
Itasca	46	-6	18.9	-4.3	0.02	-0.24	-1.01	-0.73
Moorhead	48	-6	21.5	-4.2	0.03	-0.16	-0.64	-0.44
Pembina, ND	41	-8	15.8	-5.7	0.15	-0.04	-0.56	-0.38
Warroad	37	-8	15.8	-7.2	0.25	0.03	-0.27	-0.04
NORTH CENTRAL DISTRICT								
Grand Rapids	49	-4	20.3	-5.2	0.03	-0.3	-1.19	-0.95
Intl. Falls	44	-7	19.8	-2.7	0.1	-0.2	-0.28	-0.07
NORTH EAST DISTRICT								
Duluth	44	0	22.6	-3.5	0	-0.46	-1.16	-1.05
Grand Marais	43	1	26.2	-3.9	0.02	-0.32	-0.44	-0.17
Hibbing	46	-8	19.2	-3.9	0	-0.23	-0.52	-0.39
WEST CENTRAL DISTRICT								
Alexandria	49	2	23.2	-3.2	M	M	-1.05m	-.91m
Breckenridge	46	-3	21.7	-3.5	0.01	-0.18	-.57m	-.51m
Browns Valley	53	-3	23.4	-4.2	0	-0.22	-.97m	-.75m
Canby	M	M	M	M	M	M	-1.43m	-1.24m
Montevideo	54	-2	24.4	-3.6	0	-0.37	-1.51	-1.4
Morris	50	-3	22.3	-4.4	0	-0.2	-0.99	-0.86
Wheaton	51	-4	21.7	-4.7	0	-0.23	-0.92	-0.85
CENTRAL DISTRICT								
Becker	47	3	25.6	-3.1	0	-0.35	-0.96	-0.77
Collegeville	44	1	24.9	-4.4	0	-0.34	-1.36	-1.22
Hutchinson	48	3	25.7	-3	0	-0.3	-0.47	-0.37
Melrose	47	1	23.6	-2.2	0	-0.25	-0.95	-0.96
Olivia	49	0	25	-3.2	0	-0.3	-0.94	-0.76
St. Cloud	46	1	24.1	-3.4	0	-0.28	-0.82	-0.64
Wadena	M	M	M	M	M	M	-1.36m	M
Willmar	48	-1	24.2	-4.1	0	-0.31	-1.1	-0.99
EAST CENTRAL DISTRICT								
Aitkin	42	0	22.8	-3.7	0	-0.32	-1.13	-1.19
Forest Lake	45	4	27.8	-1.6	0	-0.4	-1	-0.87
MSP Airport	47	7	27.7	-3.2	0.01	-0.38	-1.07	-0.95
Mora	44	3	25	-2.5	0	-0.34	-0.9	-0.71
St. Paul - UofM	43	5	26.8	-2.6	0.01	-0.39	-1.2	-1.07
SOUTH WEST DISTRICT								
Lamberton	54	1	27	-1.9	0	-0.29	-0.78	-0.65
Marshall	55	0	28.6	-0.5	0	-0.34	-0.95	-0.75
Pipestone	55	-4	25.2	-2.9	0.04	-0.27	-0.64	-0.69
Redwood Falls	53	2	26.7	-2.5	0.01	-0.29	-0.90m	-0.70m
Sioux Falls	57	-1	27.3	-2.5	0.02	-0.27	-0.7	-0.69
SOUTH CENTRAL DISTRICT								
Worthington	54	0	26.4	-2.7	0.01	-0.3	-0.96	-0.89
North Mankato	52	3	27	-3.7	0.02	-0.42	-1.49	-1.32
Owatonna	49	4	28.2	-1.5	0.05	-0.34	-0.58	-0.38
Waseca	45	1	25.2	-4.6	0	-0.49	-1.38	-1.11
Winnebago	49	3	26.3	-4.2	0.03	-0.36	-0.96	-0.74
Cannon Falls	52	1	26.8	-3	0	-0.41	-1.69m	-1.53m
SOUTH EAST DISTRICT								
La Crosse	45	8	28.8	-4.4	0.14	-0.33	-0.01	0.13
Preston	45	3	27.6	-3.6	0.19	-0.33	-0.11	0.11
Red Wing	45	4	28.6	-2.5	0.07	-0.33	-0.77	-0.68
Rochester	43	2	24.4	-6.6	0.13	-0.31	-0.05	0.19
Rosemount	46	3	27.5	-1.7	0.03	-0.43	-1.48	-1.32
Winona Dam	46	6	28.8	-3.5	0.29	-0.2	-0.48	-0.24

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