



# 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 November 12, 2013

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Minnesota corn harvest remained ahead of the normal pace during the week ending November 10, 2013 according to the USDA, National Agricultural Statistics Service. Despite winter storms, there were 4.5 days rated suitable for fieldwork. Minnesota's average temperature was 0.8 degree below normal at 34.1 degrees. North Central Minnesota had the coldest average temperature at 29.5 degrees. The average precipitation statewide was close to normal at 0.44 inch. Topsoil moisture improved to 1 percent very short, 6 percent short, 83 percent adequate, and 10 percent surplus. Subsoil moisture also improved and was rated 2 percent very short, 21 percent short, 75 percent adequate, and 2 percent surplus. The southeast region had the most precipitation at 0.99 inch.

Corn for grain harvest advanced 14 percentage points to 87 percent complete, just over a week ahead of normal. Average corn moisture at harvest remained at 19 percent. Canola harvest was nearly complete at 95 percent. The sunflower harvest remained behind normal, but advanced 14 percentage points to 79 percent complete.

### Soil Moisture Levels as of November 10, 2013

	Very Short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil Moisture	1	6	83	10
Subsoil Moisture	2	21	75	2

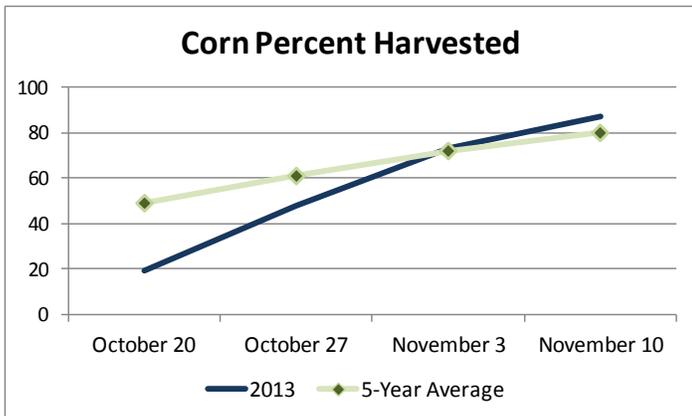
### Crop Progress as of November 10, 2013

	This Week	Last Week	Last Year	5 Yr Avg.
Days Suitable for Fieldwork	4.5	5.0	4.2	5.1

	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn harvested .....	87	73	100	80
Corn, percent moisture .....	19	19	NA	NA
Canola harvested.....	95	94	100	100
Sunflowers, harvested .....	79	65	100	82

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 11/4/2013 through 11/10/2013

	Temperature				Precipitation			
	High	Low	Week Average	Depart from Norm	Week Total	Depart From Normal		
						Past Week	Four Weeks	Since 11/1
<b>NORTHWEST DISTRICT</b>								
Crookston	55	14	32.4	0.9	0.01	-0.26	-0.08	55
Itasca	51	17	31	0.2	0.23	-0.16	-0.21	51
Moorhead	48	17	32.4	-1.2	0.24	-0.04	0.93	48
Pembina, ND	54	11	30.2	0.8	0.17	-0.1	-0.56	54
Warroad	47	17	30.3	-0.6	0.11	-0.19	-1.32m	47
<b>NORTH CENTRAL DISTRICT</b>								
Grand Rapids	46	14	29.4	-3.6	0.28	-0.16	-0.37	46
Intl. Falls	47	17	29.6	-0.7	0.6	0.24	0.29	47
<b>NORTH EAST DISTRICT</b>								
Duluth	45	17	31.9	-1.2	0.41	-0.12	0.28	45
Grand Marais	46	25	36.3	0.4	1.09	0.61	-0.45	46
Hibbing	46	10	29.8	-0.6	0.42	0.08	-0.05	46
<b>WEST CENTRAL DISTRICT</b>								
Alexandria	48	23	33.2	-0.8	M	M	.08m	48
Breckenridge	54	21	34.6	1.5	0.12	-0.19	1.29m	54
Browns Valley	57	18	35.8	0.7	0.04	-0.27	-1.51m	57
Canby	56	23	38.2	1.7	0.08	-0.33	0.23	56
Montevideo	52	22	36	0.5	0.02	-0.42	0.03	52
Morris	56	23	34.6	0.4	0	-0.32	0.18	56
Wheaton	57	22	35.4	1.1	0.06	-0.25	1.9	57
<b>CENTRAL DISTRICT</b>								
Becker	54	22	35.2	-0.9	0.58	0.14	1.02	54
Collegeville	48	21	34.6	-2.3	0	-0.45	0.31	48
Hutchinson	56	19	35.6	-0.6	0.75	0.39	0.66	56
Melrose	53	18	33.2	-0.2	0	-0.37	0.63	53
Olivia	55	14	32.9	-2.9	0.2	-0.16	0.18	55
St. Cloud	48	19	33	-1.9	0.35	-0.03	1.02	48
Wadena	M	M	M	M	M	M	.71m	M
Willmar	54	20	34.2	-1.8	0.17	-0.22	0	54
<b>EAST CENTRAL DISTRICT</b>								
Aitkin	51	25	34.4	0.7	0	-0.44	0.13	51
Forest Lake	55	21	37	-0.1	0.49	0	0.39	55
MSP Airport	49	24	37.3	-0.8	0.4	-0.06	0.07	49
Mora	52	20	35.2	0.4	0.45	0.01	1.24	52
St. Paul - UofM	53	23	35.3	-1.8	0.4	-0.09	0.39	53
<b>SOUTH WEST DISTRICT</b>								
Lamberton	57	20	34.9	-1.4	0.42	0.07	0.2	57
Marshall	57	18	37.2	0.8	0.5	0.12	0.55	57
Pipestone	56	16	33.2	-2.3	0.46	0.07	0.9	56
Redwood Falls	50	18	33.5	-3.3	0.47	0.08	0.2	50
Sioux Falls	52	17	33	-4	0.42	0.05	1.48	52
<b>SOUTH CENTRAL DISTRICT</b>								
Worthington	55	19	34.7	-1.8	0.25	-0.11	0.4	55
North Mankato	49	23	36.5	-1.4	0.25	-0.24	-0.39	49
Owatonna	56	25	36.6	-0.7	0.95	0.5	0.15	56
Waseca	54	24	36.2	-1.1	0.59	0.05	-0.52	54
Winnebago	55	24	36.2	-1.7	0.61	0.16	-0.26	55
Cannon Falls	M	M	M	M	M	M	-.72m	M
<b>SOUTH EAST DISTRICT</b>								
La Crosse	51	26	40.9	0.7	1.3	0.82	0.05	51
Preston	53	20	38	-0.2	1.52	0.99	0.04	53
Red Wing	55	23	36.8	-1.5	0.56	0.11	-0.26	55
Rochester	47	24	36.8	-1.4	1.3	0.83	0.32	47
Rosemount	54	22	36	-0.9	.22m	-0.33	-.70m	54
Winona Dam	52	25	38.2	-1.1	1.02	0.49	-0.32	52

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