



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,
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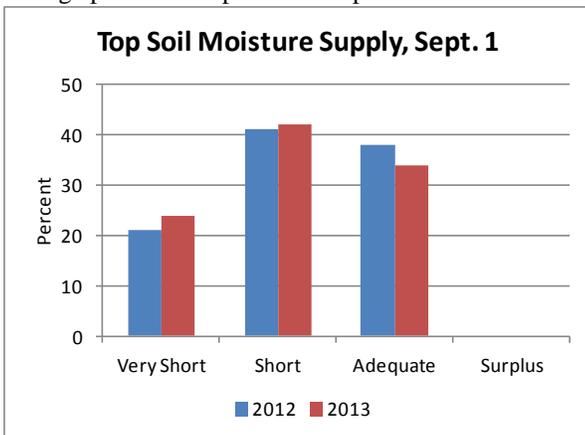
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Warmer than normal weather continued to stress crops in Minnesota for the week ending September 1, 2013 according to the USDA, National Agricultural Statistics Service. A total of 6.6 days were suitable for field work. The statewide average temperature was 76.7 degrees, 11.8 degrees above normal. An average of 0.66 inch of rain fell statewide, 0.15 inch below normal. Rainfall amounts of 1.31 and 1.69 inches fell in the North Central and Northeast regions, respectively. Despite the rainfall, statewide topsoil and subsoil moisture levels fell to 66 and 61 percent very short to short, respectively.

Ninety-four percent of the corn crop was at or beyond the milk stage, compared to the five-year average of 98 percent. Corn at or beyond the dough stage advanced 24 percentage points to 68 percent, still almost a week behind the average 84 percent. Corn is 22 percent dented, compared to last year's 86 percent. Corn conditions were rated 4 percent very poor, 10 percent poor, 33 percent fair, 45 percent good and 8 percent excellent. Ninety-four percent of soybeans were setting pods, 9 days behind normal. Eight percent of the soybeans are turning yellow, well behind last year's 52 percent and the average of 23 percent. Soybean conditions declined slightly to 52 percent good or excellent. Spring wheat harvest caught up to the normal pace of 81 percent, yet remained behind last year's 100 percent. Oat and potato harvests also caught up to their five-year averages of 93 and 24 percent, respectively.

Eighteen percent of Minnesota's pastures were rated in very poor condition. The harvest of third cutting alfalfa advanced 18 percentage points to 63 percent complete.



Soil Moisture Levels as of September 1, 2013

	Very Short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil Moisture	24	42	34	0
Subsoil Moisture	18	43	39	0

Crop Condition as of September 1, 2013

	Very Poor	Poor	Fair	Good	Exc.
Pasture.....	18	27	30	25	0
Sugarbeets.....	1	7	26	59	7
Sunflowers.....	0	3	53	40	4
Corn.....	4	10	33	45	8
Soybeans.....	3	11	34	45	7
Potatoes.....	2	3	13	48	34
Canola.....	0	4	64	31	1
Dry Beans.....	4	14	41	34	7

Crop Progress as of September 1, 2013

	This Week	Last Week	Last Year	5 Yr Avg
	Days Suitable for Fieldwork	6.6	6.6	6.7

	Percent	Percent	Percent	Percent
Corn milk.....	94	85	100	98
Corn dough.....	68	44	100	84
Corn dent.....	22	5	86	51
Soybeans setting pods.....	94	85	100	98
Soybeans turning yellow.....	8	NA	52	23
Oats harvested.....	93	80	100	93
Spring Wheat harvested.....	81	65	100	81
Barley harvested.....	84	75	100	85
Sweet Corn harvested.....	56	45	83	64
Dry Beans setting pods.....	96	94	100	NA
Dry Beans fully podded.....	87	72	99	NA
Dry Beans leaves yellow.....	35	8	87	NA
Dry Beans dropping leaves....	9	NA	62	NA
Potatoes harvested.....	24	13	29	24
Alfalfa, third cutting.....	63	45	NA	NA

Precipitation and Temperature Summary for 8/26/2013 through 9/01/2013

	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	97m	69m	83.0m	18.7m	0m	-0.70m	-2.79m	-5.72m	1763m	-27m
Itasca	M	M	M	M	M	M	M	-5.91m	843m	-717m
Moorhead	94	48	76	10	0.09	-0.51	-1.94	4.79	2056	110
Pembina, ND	91	53	74	11.8	2.01	1.45	1.11	3.47	1664	41
Warroad	89	54	71.5	9.6	0.88	0.2	-0.67m	-5.45m	1476m	-108m
NORTH CENTRAL DISTRICT										
Grand Rapids	93	52	72.8	9.8	1.26	0.51	-0.71	-2.33	1659	-19
Intl. Falls	89	52	68.5	8.4	1.35	0.7	1.1	5.42	1524	76
NORTH EAST DISTRICT										
Duluth	90	56	73.2	11.7	1.38	0.47	-1.43	-0.8	1644	191
Grand Marais	80	55	67.1	5.8	1.32	0.69	-0.87	8.11	911	-231
Hibbing	93	52	71	11.6	2.37	1.69	0.73	-0.02	1566	225
WEST CENTRAL DISTRICT										
Alexandria	94	55	77.1	11.8	0.66	-0.12	-1.5	-2.87	1945	67
Breckenridge	96	59	79.7	14.3	0.24	-0.46	-1.25m	-3.74m	1798m	-114m
Browns Valley	96	58	79	13.2	0.16	-0.49	-2.50m	-2.28m	1672m	-266m
Canby	94	59	79.2	11.9	0	-0.65	-.74m	4.71m	1974m	-94m
Montevideo	92	58	77.4	11.1	1.2	0.41	-0.24	4.92	1940	-54
Morris	92	57	78.6	13.4	1.6	0.89	-0.29	2.09	1885	-14
Wheaton	96	58	79.4	13.3	0.77	0.08	-0.68	-1.88	1939	-38
CENTRAL DISTRICT										
Becker	98	59	78.5	12.7	0.31	-0.61	-2.55	-6.48	2039	91
Collegeville	90	61	76.4	9.2	0.25	-0.65	-2.49	-1.36	1992	-63
Hutchinson	95	61	79.6	13.2	0.07	-0.9	-0.93	1.41m	2019m	-3m
Melrose	93	60	78.5	14.2	0.14	-0.69	-2.36	-0.65	1892	60
Olivia	92	56	76.4	10.8	0.47	-0.35	-0.62	1.68	1855	-121
St. Cloud	95	51	75.2	10.4	0.18	-0.71	-2.62	-1	1892	29
Wadena	91	61	76.6	13.9	0.15	-0.53	-2.63	-2.44m	1604m	-47m
Willmar	92	58	77.8	11.4	1.24	0.32	-0.6	-2.31m	1918	-104
EAST CENTRAL DISTRICT										
Aitkin	94	60	77.2	15	1.75	1.03	-0.41	.99m	1578m	-38m
Forest Lake	98	57	79.4	12.7	0.05	-0.81	-2.96	-1.36	1997	-18
MSP Airport	97	61	81.1	12.9	0.09	-0.81	-1.8	3.48	2289	137
Mora	94	54	77.3	13.2	0.13	-0.72	-2.79	-2.35m	1807	27
St. Paul - UofM	94	63	80.2	13.5	0.74	-0.12	-1.93	4.92	1994	-21
SOUTH WEST DISTRICT										
Lamberton	93	57	78.6	12.3	0.02	-0.82	-1.49	-2.98	2050	18
Marshall	94	58	80	12.9	0.27	-0.49	-1.28	-2.45m	2117	45
Pipestone	93	56	78.1	11.9	0.18	-0.57	-2.62m	-2.52m	1912m	-55m
Redwood Falls	95	55	78	10.9	0.46	-0.36	-1.33	-4.66	2112	21
Sioux Falls	93	57	78.4	10.8	0.59	-0.1	0.25	1.62	2098	19
SOUTH CENTRAL DISTRICT										
Worthington	91	56	77.9	11.9	0.52	-0.35	-0.67	-1.77m	1994m	7m
North Mankato	93	61	79.8	12.8	0.56	-0.34	-2.01m	-3.73m	1961m	-95m
Owatonna	93	62	79.6	12.6	0.12	-0.91	-1.95	3.63	2027	-7
Waseca	91	63	79.2	12	0.15	-0.88	-2.07	5.59	2001	-66
Winnebago	93	62	79.6	12.4	0.02	-0.9	-0.9	4.75	2098	22
Cannon Falls	M	M	M	M	M	M	M	1.09m	1266m	-692m
SOUTH EAST DISTRICT										
La Crosse	97	65	81.7	13.1	0	-0.96	-2.86	2.74	2226	46
Preston	92	62	79	12.7	0	1.07	-3.15	8.22m	1950	8
Red Wing	97	65	81.8	14.4	0.16	-0.83	-2.14	0.39	2110	55
Rochester	91	58	76.9	10.4	0	-0.97	-2.27	9.09	1994	-5
Rosemount	93	57	78.6	12	0.11	-0.91	-1.61	-5.8m	1968	-27
Winona Dam	94	67	80.8	13.3	0.02	-0.97	-2.79	5.91	2080	53

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.

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