



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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Minnesota farmers received a break from hot weather during the week ending July 28, 2013 according to the USDA, National Agricultural Statistics Service. Statewide, temperatures for the week averaged 6.7 degrees below average. Drier than normal weather in the southern two-thirds of the state reduced topsoil and subsoil moisture to 26 and 21 percent short to very short, respectively. With more than two inches of rain, North Central Minnesota was the only district in the state with significantly more moisture than average. Despite the cooler weather, 5.9 days were suitable for field work last week.

Sixty percent of corn was at or beyond the silking stage, an advancement of 41 percentage points from the previous week. Corn stalks grew 12 inches to an average height of 71 inches. Corn conditions declined slightly to 62 percent good or excellent. Sixty-eight percent of the soybeans were at or beyond the blooming stage, behind last year's 93 percent and the five year average of 77 percent. Twelve percent of soybeans were setting pods, 18 percentage points behind normal. Soybean plants were an average of 20 inches tall. Soybean conditions declined slightly to 63 percent good or excellent. Forty-two percent of spring wheat was turning ripe, compared to last year's 99 percent and the average of 62 percent. Spring wheat condition declined to 61 percent good or excellent. There were scattered reports of small grains being harvested in Minnesota.

The second cutting of alfalfa advanced 26 percentage points to 77 percent complete. Pasture conditions declined to 68 percent good or excellent. All other crop conditions declined, with the exception of potatoes.

Soil Moisture Levels as of July 28, 2013

	Very Short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil Moisture	4	22	72	2
Subsoil Moisture	2	19	77	2

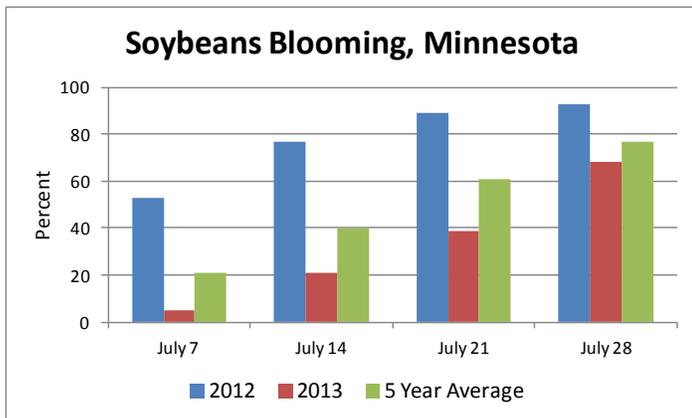
Crop Condition as of July 28, 2013

	Very Poor	Poor	Fair	Good	Exc.
Pasture	2	6	24	59	9
Oats.....	1	5	24	58	12
Barley	2	8	40	42	8
Spring Wheat.....	3	6	30	50	11
Sugarbeets	0	7	23	62	8
Sunflowers.....	0	3	50	40	7
Corn	2	6	30	50	12
Soybeans	1	6	30	52	11
Potatoes	0	1	14	47	38
Canola.....	0	4	52	42	2
Dry Beans.....	0	9	32	47	12

Crop Progress as of July 28, 2013

	This Week	Last Week	Last Year	5 Yr Avg
	Days Suitable for Fieldwork	5.9	6.0	5.6

	Percent	Percent	Percent	Percent
Corn silking.....	60	19	98	71
Corn, height in inches	71	59	75	76
Soybeans blooming	68	39	93	77
Soybeans setting pods	12	2	64	30
Soybean height, inches.....	20	16	28	23
Oats headed	96	89	100	99
Oats turning ripe	57	32	99	78
Spring Wheat turning ripe	42	NA	99	62
Barley turning ripe.....	59	NA	100	65
Dry Beans blooming	68	42	96	NA
Dry Beans setting pods.....	14	2	74	NA
Alfalfa, second cutting.....	77	51	NA	NA



Precipitation and Temperature Summary for 7/22/2013 through 7/28/2013

	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	82	45	62.6	-7.1	0.14	-0.51	-1.88	-2.41	1250	85
Itasca	79	43	60	-7.3	1.69	0.91	-.60m	-2.62m	739m	-272m
Moorhead	84	44	63.8	-7.8	0.02	-0.54	-1.72	7.22	1362	94
Pembina, ND	77	41	60.3	-7.4	0.94	0.31	1.69	2.9	1107	50
Warroad	75	47	61	-6.6	0.89	0.11	-0.58	-4.04m	957m	-72m
NORTH CENTRAL DISTRICT										
Grand Rapids	78	45	59.6	-9.1	0.85	-0.06	0.24	-0.8	1060	-31
Intl. Falls	75	43	57.2	-8.5	3.16	2.39	4	4.86	1000	56
NORTH EAST DISTRICT										
Duluth	83	49	62.1	-4.5	0.65	-0.17	-1.95	1.22	989	66
Grand Marais	77	48	56.4	-6.8	1.51	0.86	4.91	9.51	476	-172
Hibbing	78	42	58.6	-6.2	0.37	-0.55	0.17	0.02	1009	145
WEST CENTRAL DISTRICT										
Alexandria	78	49	64.6	-6.6	0.13	-0.61	-0.41	-0.86	1249	23
Breckenridge	82	45	64.8	-6.5	0.07	-0.71	-1.58m	-1.99m	1153m	-100m
Browns Valley	83	42	65	-6.9	0.3	-0.43	-1.68m	.52m	1124m	-144m
Canby	M	M	M	M	M	M	.19m	5.66m	1182m	-177m
Montevideo	88	47	65.1	-6.9	0.2	-0.57	0.6	5.7	1277	-37
Morris	82	47	64.3	-6.4	0.27	-0.56	-1.07	3.06	1240	-15
Wheaton	83	46	64.2	-7.9	0.36	-0.29	-0.65	-0.72	1271	-25
CENTRAL DISTRICT										
Becker	87	50	67.6	-3.9	0.29	-0.66	-1.87	-3.29	1336	50
Collegeville	85	48	65.9	-7	0.25	-0.51	-2.03	1.84	1288	-63
Hutchinson	84	47	66.2	-6	0.4	-0.38	-1	3.12m	1312m	-33m
Melrose	80	46	64.2	-6	0.6	-0.19	-1.31	2.46	1229	17
Olivia	84	44	65	-6.5	0.58	-0.15	-1.76	2.57	1229	-88
St. Cloud	85	43	63.8	-6.9	0.22	-0.49	-1.63	2.32	1231	3
Wadena	77	43	62	-6.1	0.96	0.21	.21m	.92m	1010m	-69m
Willmar	82	47	65.4	-6.8	0.34	-0.46	-1.74	-1.28m	1253	-90
EAST CENTRAL DISTRICT										
Aitkin	80	49	60	-7.9	0.49	-0.37	-1.81	2.20m	972m	-87m
Forest Lake	87	48	65.6	-6.5	0.19	-0.76	-2.47	2.06	1287	-36
MSP Airport	88	53	68.2	-6	0.06	-0.85	-0.13	6.23	1469	51
Mora	83	47	63.4	-6.2	0.23	-0.64	-1.77	1.30m	1163	-3
St. Paul - UofM	83	49	65.2	-6.9	0.38	-0.57	-0.89	7.69	1280	-43
SOUTH WEST DISTRICT										
Lamberton	88	47	66.8	-5.1	0.01	-0.8	-3.02	-0.69	1367	8
Marshall	88	46	67.2	-5.6	0.03	-0.77	-1.92m	-.38m	1351m	-17m
Pipestone	85	38	63.6	-8.2	0.18	-0.51	-0.68	.71m	1252m	-40m
Redwood Falls	85	46	66.6	-6.2	0.03	-0.75	-2.47	-2.69	1380	-11
Sioux Falls	84	44	65.9	-7.6	0	-0.65	-2.22	1.81	1368	4
SOUTH CENTRAL DISTRICT										
Worthington	87	45	66.8	-4.9	0.1	-0.65	-2.92	-.32m	1345m	22m
North Mankato	84	46	65.2	-7.3	0.32	-0.6	-1.41	-.78m	1352m	-8m
Owatonna	86	46	66	-6.1	0.43	-0.62	0.98	6.65	1328	-16
Waseca	85	48	66	-6.2	1.19	0.2	1.31	8.7	1327	-47
Winnebago	87	47	67.2	-5.3	0.45	-0.49	-.85m	6.61m	1356m	-23m
Cannon Falls	M	M	M	M	M	M	-3.83m	3.45m	781m	-515m
SOUTH EAST DISTRICT										
La Crosse	90	51	66.7	-7.3	1	0.05	-2.49	6.54	1450	10
Preston	86	49	65.2	-6.1	1.71	0.76	-1.55	12.35m	1274	1
Red Wing	88	52	67	-5.8	0.53	-0.32	-1.61	3.32	1381	30
Rochester	88	46	64.2	-7.4	0.47	-0.54	-1.97	12.39	1309	-17
Rosemount	85	50	65.6	-6.2	0.16	-0.85	-1.25m	1.90m	1285	-30
Winona Dam	86	50	65.9	-6.3	0.78	-0.18	-2.47	9.68	1349	28

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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