



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 July 1, 2013

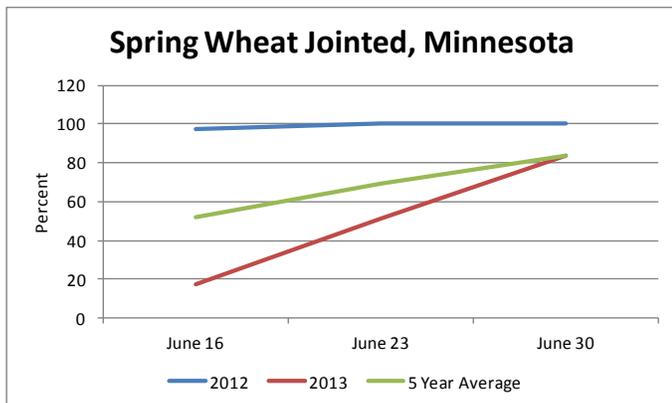
Issue No: CW2613

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There were a total of 4.1 days suitable for field work in Minnesota during the week ending June 30, 2013; the most so far this year according to the USDA, National Agricultural Statistics Service. Statewide temperatures were 3.1 degrees above normal and precipitation was 0.18 inches below normal for last week. The Northwest district had the greatest average amount of precipitation at 2.17 inches. Topsoil moisture supplies decreased slightly to 0 percent very short, 1 percent short, 74 percent adequate, and 25 percent surplus. Subsoil moisture supplies also decreased slightly to 0 percent very short, 5 percent short, 74 percent adequate and 21 percent surplus.

Ninety-seven percent of the corn crop has emerged. Corn grew an average of 7 inches statewide and was 17 inches tall, compared to 47 inches last year, and the average of 32 inches. Corn condition decreased slightly to 58 percent good or excellent compared to the previous week's 59 percent. Soybean planting is nearly finished at 96 percent complete, while emergence advanced 12 percentage points to 93 percent emerged. The average soybean height was 5 inches tall, compared with last year's 12 inches and the average of 9 inches. Soybean conditions also declined slightly to 2 percent very poor, 6 percent poor, 33 percent fair, 53 percent good, and 6 percent excellent. Eighty-four percent of spring wheat had reached the jointed or beyond stage, behind last year's 100 percent but equal to the normal pace. Spring wheat condition remained at 63 percent good or excellent. Canola planting advanced five percentage points to 87 percent complete.

Range and pasture conditions remained at 76 percent good or excellent. The first alfalfa condition estimate of the year is 2 percent very poor, 6 percent poor, 31 percent fair, 48 percent good, and 13 percent excellent.



Soil Moisture Levels as of June 30, 2013

	Very Short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil Moisture.....	0	1	74	25
Subsoil Moisture	0	5	74	21

Crop Condition as of June 30, 2013

	Very Poor	Poor	Fair	Good	Exc.
	Percent	Percent	Percent	Percent	Percent
Pasture	1	3	20	56	20
Oats	1	4	22	59	14
Barley	2	9	35	46	8
Spring Wheat	3	7	27	54	9
Sugarbeets	0	7	25	58	10
Sunflowers	0	3	45	46	6
Corn	3	7	32	50	8
Soybeans	2	6	33	53	6
Potatoes	1	3	15	49	32
Canola	0	5	64	29	2
Dry Beans	0	7	35	47	11
Green Peas	5	6	31	55	3
Alfalfa	2	6	31	48	13

Crop Progress as of June 30, 2013

	This Week	Last Week	Last Year	5 Yr Avg
Days Suitable for Fieldwork	4.10	3.80	5.90	5.00

	Percent	Percent	Percent	Percent
Corn emerged	97	90	100	100
Corn, height in inches	17	10	47	32
Soybeans planted	96	94	100	100
Soybeans emerged	93	81	100	100
Soybean height, inches	5	3	12	9
Oats jointed	74	44	100	91
Oats headed	20	3	97	64
Spring Wheat jointed	84	51	100	84
Spring Wheat headed	9	1	97	50
Barley jointed	79	50	100	82
Barley headed	13	0	97	50
Sweet Corn planted	79	73	94	95
Canola planted	87	82	100	100
Dry Beans emerged	92	77	100	99
Sunflowers planted	95	94	100	100
Alfalfa, first cutting	81	66	98	89

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.noaa.gov/view/states.php?state=MN>

Precipitation and Temperature Summary for 6/24/2013 through 6/30/2013

	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	86	55	70.8	3.7	1.73	0.9	-0.64	-0.53	682	52
Itasca	M	M	M	M	M	M	-3.34m	-2.02m	270m	-264m
Moorhead	88	59	74.2	5.4	3.96	3.1	4.08	8.94	753	65
Pembina, ND	88	54	70.1	4.7	1.83	0.93	-1.51	1.21	604	36
Warroad	83	54	68.1	3.1	1.15	0.12	-2.83m	-3.58m	483m	-59m
NORTH CENTRAL DISTRICT										
Grand Rapids	89	53	70.2	4.3	0.36	-0.71	-0.84	-1.04	556	-24
Intl. Falls	87	45	67	3.7	0.49	-0.45	-2.09	0.86	541	37
NORTH EAST DISTRICT										
Duluth	87	54	70.4	7.5	0.38	-0.62	0.53	3.17	489	21
Grand Marais	82	42	58.4	1.6	0.88	0.03	-0.45	4.6	257	-33
Hibbing	88	46	67.8	5.8	1.41	0.35	0.25	-0.15	534	83
WEST CENTRAL DISTRICT										
Alexandria	85	58	72.4	4.2	0	-0.93	-0.23	-0.45	638	-17
Breckenridge	88	58	73.4	5.1	0.2	-0.72	-.98m	-.41m	583m	-95m
Browns Valley	89	56	71.8	2.9	0.29	-0.62	1.06m	2.20m	633m	-49m
Canby	90	56	72	1.4	0	-0.94	3.15	5.47m	666	-74
Montevideo	88	59	72	2.2	0.32	-0.67	3.44	5.1	669	-52
Morris	86	57	71.6	2.9	0.07	-0.9	5.54	4.13	643	-43
Wheaton	87	58	72.6	3.2	0.11	-0.82	0.69	-0.07	666	-34
CENTRAL DISTRICT										
Becker	87	54	72.2	3.3	0.07	-1.01	0.15	-1.42	677	-27
Collegeville	84	57	72.2	2	0.2	-0.86	1.7	3.87	657	-80
Hutchinson	87	57	73.3	2.9	0.15	-0.88	2.09	4.12	690	-47
Melrose	84	56	71.4	3.4	0.28	-0.68	2.97	3.77	628	-29
Olivia	85	53	70.8	0.9	0.67	-0.38	5.12	4.33	639	-89
St. Cloud	86	53	71.8	3.5	0.29	-0.65	1.84	3.95	632	-30
Wadena	85	52	70.2	4.5	0.23	-0.79	-.11m	.71m	589m	9m
Willmar	86	57	71.3	1.1	0.14	-1	1.18m	.46m	641	-96
EAST CENTRAL DISTRICT										
Aitkin	86	57	71.5	6	2.35	1.27	1.29m	4.01m	481m	-81m
Forest Lake	87	53	72.7	2.7	2.78	1.71	2.46	4.53	680	-44
MSP Airport	89	57	74.6	2.9	0.47	-0.52	1.12	6.36	776	0
Mora	86	52	71.2	3.9	0.83	-0.17	3.39	3.07m	599	-30
St. Paul - UofM	fM 86	56	72	2	0.87	-0.2	2.92	8.58	663	-61
SOUTH WEST DISTRICT										
Lamberton	89	56	73.3	2.7	0.58	-0.39	1.37	2.33	726	-31
Marshall	93	56	74.3	3.6	0	-0.89	1.95	1.54m	723	-29
Pipestone	89	57	71.2	1.8	0.24	-0.72	2.85	1.39m	677	-27
Redwood Falls	87	58	73.2	2.2	0.27	-0.72	1.21	-0.22	732	-38
Sioux Falls	88	53	72.2	1.5	0.42	-0.45	0.59	4.03	733	-4
SOUTH CENTRAL DISTRICT										
Worthington	86	54	72.8	2.7	0.03	-1.07	.26m	2.60m	704m	-24m
North Mankato	86	55	73.2	2.6	0.26	-0.93	-1.30m	.66m	726m	-25m
Owatonna	86	52	72	1.5	0.91	-0.17	-0.04	5.67	698	-43
Waseca	85	56	71.9	1	1.19	0.11	2.13	7.39	697	-72
Winnebago	87	56	73.1	2.2	0.29	-0.77	4.09	7.46	733	-32
Cannon Falls	85	50	70.6	0.8	0.76	-0.25	.75m	7.28m	636m	-73m
SOUTH EAST DISTRICT										
La Crosse	89	57	72.6	0.7	1.13	0.1	1.53	9.03	786	-8
Preston	86	50	70.1	0.9	1.51	0.33	3.71	13.90m	686	-6
Red Wing	85	60	73.4	3.1	1.7	0.76	0.34	4.93	728	-8
Rochester	86	54	71	0.9	2.04	0.92	2.42	14.36	700	-33
Rosemount	86	55	72.2	2.3	0.45	-0.64	0.03	3.15m	667	-53
Winona Dam	85	56	71.6	1.5	0.54	-0.45	2.23	12.15	704	-15

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