



# Minnesota Ag News – Crop Weather

USDA, NASS, Minnesota Field Office  
P.O. Box 7068 – St. Paul, MN 55107  
(651) 201-6030 · (651) 201-6479 FAX

Email: [nass-mn@nass.usda.gov](mailto:nass-mn@nass.usda.gov) - Homepage: <http://www.nass.usda.gov>

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

## HOT, DRY WEATHER

Hot, dry weather prevailed over most of Minnesota this past week, according to the USDA, NASS, Minnesota Field Office. Statewide temperatures averaged 4° above normal, and limited rain fell in localized areas. The greatest weekly precipitation total was 0.74 inches recorded in Pipestone. As of July 1, topsoil moisture supplies were rated 78 percent adequate to surplus, down from 94 percent a week earlier. Statewide, there were 6.3 days rated suitable for fieldwork, up from 3.6 days the previous week.

Five percent of corn was silking, compared to 0 percent last year, and 1 percent for the five-year average. Eighty-two percent of the corn crop was rated in good to excellent condition, compared to 83 percent last week. Twenty-six percent of soybeans were blooming, compared to 1 percent last year, and 6 percent average. Soybeans were rated 86 percent in fair to good condition.

Small grain development continued ahead of average, with all three small grains 98 percent headed. Spring wheat was 16 percent turning ripe, compared to 0 percent last year and 1 percent average. Barley was 18 percent turning ripe, compared to 0 percent last year and 2 percent average. One percent of barley was harvested. Oats were 29 percent turning ripe, compared to 0 percent last year and 6 percent average. Three percent of oats were harvested.

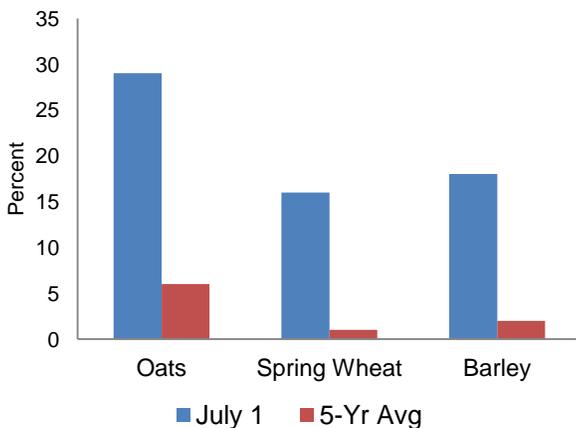
The first cutting of alfalfa was nearly complete at 99 percent, and alfalfa condition was rated 83 percent fair to good. Pasture and range condition was rated 1 percent very poor, 6 percent poor, 19 percent fair, 62 percent good, and 12 percent excellent.

Days Suitable for Fieldwork: 6.3				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	3	19	69	9

Crop Progress as of July 1, 2012					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Oats	Headed	98	89	46	66
Oats	Turning Ripe	29	9	0	6
Oats	Harvested	3	0	0	0
Spring Wheat	Headed	98	93	28	51
Spring Wheat	Turning Ripe	16	1	0	1
Barley	Headed	98	94	22	50
Barley	Turning Ripe	18	3	0	2
Barley	Harvested	1	NA	0	0
Corn	Height	49	34	22	35
Corn	Silking	5	1	0	1
Soybeans	Height	13	9	6	9
Soybeans	Blooming	26	3	1	6
Dry Beans	Blooming	9	2	1	NA
Sweet Corn	Planted	95	87	92	97
Alfalfa	First Cutting	99	92	86	90

Condition as of July 1, 2012					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	1	6	19	62	12
Oats	1	3	17	67	12
Barley	1	3	23	64	9
Spring Wheat	2	4	28	54	12
Sugarbeets	1	2	19	64	14
Sunflowers	1	1	16	75	7
Corn	1	3	14	63	19
Soybeans	1	3	22	64	10
Potatoes	0	1	7	60	32
Canola	0	1	39	54	6
Dry Beans	1	4	24	58	13
Alfalfa	2	7	20	63	8
Green Peas	0	9	32	56	3

Small Grains Turning Ripe:  
July 1 vs. 5-Yr Avg



The following links provides 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 TEMPERATURES FOR THE WEEK ENDING July 1, 2012:  
 Temperatures averaged from 2.7 degrees above normal in the Central District to 6.0 degrees above normal in the Northeast District. Extremes: 38 degrees in International Falls; 98 degrees in Lamberton. Average precipitation ranged from 1.09 inches below normal in the South Central District to 0.81 inch below normal in the Southwest District. Greatest weekly total of 0.74 inches was recorded in Pipestone.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 6/25/2012 through 7/1/2012

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Four Weeks	From Norm Since 4/1	Since Apr 30	Depart from Norm	
<u>NW DIST 1</u>										
Crookston	87	51	71.4	4.1	.02	-.80	-.91	-2.80	908	151
Itasca	85	52	68.4	3.7	.03	-1.07	-.75	-.40	816	182
Moorhead	94	53	73.2	4.3	0	-.84	-1.14	-1.55	1027	194
Warroad	84	45	66.2	1.0	.01	-1.02	-.62	-1.62	696	53
<u>NC DIST 2</u>										
Grand Rapids	92	47	69.4	3.3	.04	-1.02	3.54	9.13	800	104
Intl. Falls	89	38	67.4	4.0	0	-.94	-1.27	-1.77	737	135
<u>NE DIST 3</u>										
Duluth	86	47	69.3	6.1	.03	-.96	6.09	10.35	739	180
Grand Marais	89	48	65.3	8.2	0	-.84	-1.00	1.87	402	54
Hibbing	88	41	65.8	3.6	.01	-1.05	1.31	6.23	714	177
<u>WC DIST 4</u>										
Alexandria	91	58	71.6	3.2	0	-.92	-.15	3.73	906	114
Breckenridge	89	57	72.0	3.5	0	-.92	-.54m	.58m	923m	99m
Browns Valley	88	56	70.8	1.7	0	-.91	-1.73	-.85	936	112
Canby	87	58	73.6	2.8	0	-.93	-1.20	1.82	1031	137
Montevideo	88	59	73.4	3.4	0	-.98	-.00	5.33m	1029	157
Morris	87	57	71.4	2.6	0	-.97	-1.42	-.36	943	114
Wheaton	89	60	72.2	2.6	0	-.92	-.51	.68	953	109
<u>CENT DIST 5</u>										
Becker	91	55	72.6	3.5	0	-1.08	.09	6.25	1004	140
Collegeville	93	55	73.3	2.9	0	-1.04	.78	5.80	1026	127
Hutchinson	93	57	74.6	4.1	0	-1.01	1.65	7.16	1037	146
Melrose	91	56	72.0	3.8	0	-.95	-.35	3.64	933	140
Olivia	92	52	74.0	4.0	0	-1.04	-.44	2.44	1010	129
St. Cloud	94	52	72.7	4.3	0	-.93	-1.56	3.90	980	179
Wadena	73m	52m	62.5m	-3.3m	0m	-1.01m	.17m	5.53m	686m	-9m
Willmar	88	56	72.4	2.1	0	-1.12	-.09	3.19	977	82
<u>EC DIST 6</u>										
Aitkin	86	54	69.4	3.7	0	-1.08	3.79	12.35	784m	110m
Forest Lake	92	56	73.2	3.0	0	-1.07	-1.19	5.77	1012	137
MSP Airport	94	60	77.4	5.5	0	-.98	-.40	5.56	1122	179
Mora	91	52	70.6	3.2	0	-1.00	-.27	6.51	897	139
St. Paul - UofM	92	57	74.3	4.1	0	-1.07	-.73	3.29	1032	157
<u>SW DIST 7</u>										
Lamberton	98	58	75.8	5.0	0	-.97	-2.66	3.72	1065	151
Marshall	96	59	76.8	5.9	0	-.89	-1.54	2.16	1109	199
Pipestone	94	46	73.1	3.6	.74	-.20	-2.30	7.16	981	128
Redwood Falls	96	58	76.2	5.0	.04	-.94	-1.99	4.54	1100	164
Worthington	94	46	74.7	4.5	0	-1.08	-3.98	1.15	1042	165
<u>SC DIST 8</u>										
North Mankato	97	61	76.6	5.9	0	-1.17	-3.80	-.83	1033	122
Owatonna	95	57	74.2	3.5	0	-1.08	2.50	6.31	1067	173
Waseca	95	56	73.9	2.9	0	-1.08	-.14	.56	1051	120
Winnebago	96	61	75.8	4.8	0	-1.05	-1.03	2.83	1096	168
<u>SE DIST 9</u>										
Cannon Falls	91	56	76.2	6.3	0	-1.01	11.00	14.05	1013	162
Preston	96	48	72.6	3.2	0	-1.17	-3.25	-3.33	1050	217
Red Wing	95	58	74.6	4.1	0	-.93	7.09	8.77	1081	185
Rochester	94	53	73.8	3.6	0	-1.11	-1.24	-.95	1089	201
Rosemount	91	56	74.0	4.0	0	-1.08	1.63m	4.94m	1033	162
Winona Dam	93	57	73.2	3.0	0	-.98	-.74	-1.21	1047	181

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.

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