



# Minnesota Ag News – Crop Weather

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Released: June 18, 2012

Issue No: CW-24-12

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

## WIDESPREAD RAIN

Topsoil moisture supplies improved over the previous week as widespread rains moved across the state, according to the USDA, NASS, Minnesota Field Office. Although the storm systems were strong with localized heavy rain that totaled over nine inches at one reporting station, statewide crop conditions remained relatively unchanged from the previous week. As of June 17, topsoil moisture supplies were rated 1 percent very short, 7 percent short, 75 percent adequate and 17 percent surplus. There were 4.5 days suitable for fieldwork during the week.

Corn condition was rated 82 percent good to excellent, with an average height of 23 inches. Average soybean height was 6 inches and condition was rated 86 percent fair to good.

Sixty-seven percent of oats were headed and 4 percent were turning ripe. Eighty-seven percent of oats were rated in fair to good condition. Spring wheat and barley were both 98 percent jointed and 71 percent headed. Spring wheat condition was rated 84 percent fair to good, and barley condition was rated 88 percent fair to good.

Dry beans were 98 percent emerged and were rated 84 percent in fair to good condition. Sweet corn was 77 percent planted compared to 72 percent last year and 84 percent for the five-year average.

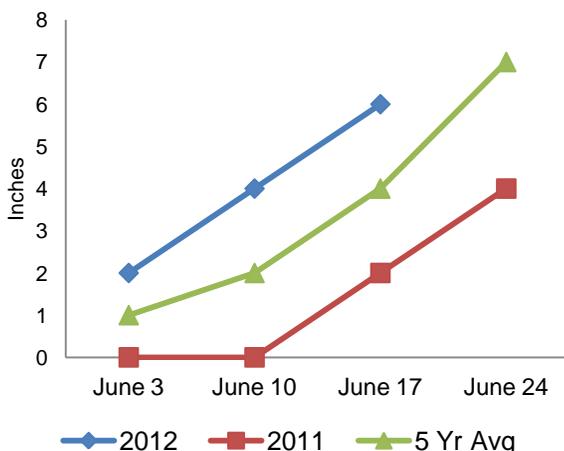
First cutting of alfalfa advanced to 87 percent complete. Alfalfa condition was rated 1 percent very poor, 7 percent poor, 25 percent fair, 58 percent good and 9 percent excellent. Pasture and range condition was rated 5 percent poor, 20 percent fair, 58 percent good and 17 percent excellent.

Days Suitable for Fieldwork: 4.5				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	1	7	75	17

Crop Progress as of June 17, 2012					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Oats	Jointed	96	86	58	66
Oats	Headed	67	34	9	21
Oats	Turning Ripe	4	NA	0	0
Spring Wheat	Jointed	98	88	30	49
Spring Wheat	Headed	71	31	1	11
Barley	Jointed	98	88	27	47
Barley	Headed	71	26	3	14
Corn	Height	23	14	9	13
Soybeans	Height	6	4	2	4
Dry Beans	Emerged	98	84	56	NA
Sweet Corn	Planted	77	69	72	84
Alfalfa	First Cutting	87	78	70	68

Condition as of June 17, 2012					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	0	5	20	58	17
Oats	1	2	18	69	10
Barley	1	3	24	64	8
Spring Wheat	2	4	23	61	10
Sugarbeets	1	2	21	67	9
Sunflowers	0	1	44	50	5
Corn	0	2	16	62	20
Soybeans	1	2	24	62	11
Potatoes	0	2	10	64	24
Canola	0	0	74	24	2
Dry Beans	1	7	27	57	8
Alfalfa	1	7	25	58	9
Green Peas	0	8	32	58	2

Soybean Height



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 June 17, 2012:  
 Temperatures averaged from 1.3 degrees below normal in the East Central District to 1.1 degrees above normal in the Northeast District. Extremes: 36 degrees in Hibbing; 93 degrees in Red Wing. Average precipitation ranged from 0.81 inch below normal in the Southwest District to 2.21 inches above normal in the Southeast District. Greatest weekly total of 9.13 inches was recorded in Cannon Falls.

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 6/11/2012 through 6/17/2012

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Since Norm 4/1	Since Apr 30	Depart from Norm
<u>NW DIST 1</u>										
Crookston	82	39	63.8	-.7	1.67	.75	-.41	-1.59	650	131
Itasca	83	42	62.5	.8	1.09	-.07	-1.51	-.79	578	153
Moorhead	86	41	66.4	.4	.99	.04	.58	-1.00	740	165
Warroad	78	37	60.4	-1.6	2.83	1.77	.66	.01	497	67
<u>NC DIST 2</u>										
Grand Rapids	80	42	61.8	-1.3	.78	-.25	2.47	5.18	565	92
Intl. Falls	81	39	61.4	.8	.96	.03	.18	-.76	526	118
<u>NE DIST 3</u>										
Duluth	79	43	61.2	1.4	1.88	.87	3.50	4.59	500	127
Grand Marais	66	43	55.2	1.9	.69	-.18	1.73	2.07	232	8
Hibbing	77	36	59.0	-.2	1.08	.10	3.44	5.21	508	147
<u>WC DIST 4</u>										
Alexandria	81	44	63.6	-1.5	2.02	1.04	2.34	4.16	627	85
Breckenridge	83	45	64.7	-.8	.78	-.12	-.24m	.81m	643m	72m
Browns Valley	85	42	64.6	-1.2	.17	-.74	-2.02	-.63	659	93
Canby	87	44	67.2	-.4	.37	-.59	-1.81	1.52	718	102
Montevideo	89	40	65.8	-1.2	.32	-.70	1.83m	4.49m	716	114
Morris	83	44	64.5	-1.5	.18	-.77	.06	-.33	659	87
Wheaton	83	43	65.0	-1.5	.27	-.69	-1.22	-.17	664	85
<u>CENT DIST 5</u>										
Becker	91	48	66.4	.3	2.47	1.41	3.80	6.56	703	97
Collegeville	82	50	66.0	-1.3	2.20	1.05	3.61	6.47	725	100
Hutchinson	91	48	66.6	-.9	1.88	.74	2.46	5.43	724	110
Melrose	87	45	64.4	-.8	2.21	1.21	1.79	4.24	651	106
Olivia	89	39	66.0	-1.3	.91	-.21	.40	2.11	712	103
St. Cloud	82	46	64.1	-1.3	1.06	.04	1.94	5.13	684	133
Wadena	79	44	63.1	.1	1.08	.00	1.45	4.34	564	91
Willmar	88	45	65.8	-1.6	.28	-.94	-1.53	1.23	683	63
<u>EC DIST 6</u>										
Aitkin	85m	43m	60.9m	-1.7m	1.16	.10	6.09	7.91	540m	83m
Forest Lake	92	46	65.6	-1.7	1.22	.16	3.23	6.20	710	108
MSP Airport	83	51	67.3	-1.3	2.32	1.31	3.56	6.69	777	125
Mora	90	45	63.8	-.7	1.53	.53	3.35	6.36	625	105
St. Paul - UofM	92	49	66.2	-1.1	1.91	.85	3.14	3.96	714	112
<u>SW DIST 7</u>										
Lamberton	89	47	67.6	-.5	.14	-.86	2.01	4.95	742	109
Marshall	88	46	68.8	.9	.25	-.65	-.64	2.17	770	141
Pipestone	85	39	65.6	-.9	.04	-.98	.29	7.50	683	94
Redwood Falls	88	44	68.1	-.3	.33	-.71	1.60	5.22	769	118
Worthington	86	45	66.8	-.6	.15	-1.04	1.24	3.19	717	114
<u>SC DIST 8</u>										
North Mankato	89	50	68.2	.3	.84	-.39	.49	1.47	697	65
Owatonna	91	51	69.0	1.2	4.43	3.35	4.36	6.50	747	132
Waseca	92	47	67.9	-.6	2.96	1.84	1.87	1.67	743	95
Winnebago	91	48	68.2	-.1	1.83	.73	1.15	3.65	751	107
<u>SE DIST 9</u>										
Cannon Falls	92	47	66.3	-.7	9.13	8.09	7.77	10.16	690	109
Preston	90	44	68.1	1.6	.36	-.90	-1.91	-2.16	742	172
Red Wing	93	53	67.8	.4	6.77	5.78	5.14	6.50	760	140
Rochester	85	50	67.7	.2	.95	-.16	-.18	-.65	768	154
Rosemount	92	50	66.8	-.4	2.59m	1.47m	.35m	3.70m	720	120
Winona Dam	88	52	68.9	1.6	1.27	.29	-.97	-1.09	723	131

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.

The MINNESOTA WEEKLY CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the USDA-NASS Minnesota Field Office, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. POSTMASTER: Send address changes to the MINNESOTA WEEKLY CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

WEEKLY NEWS REPORT  
 Minnesota Crop-Weather Report  
 Publication No. 387190  
 Address Service Requested

USDA, NASS, Minnesota Field Office  
 PO Box 7068, ST. PAUL MN 55107

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