



Minnesota Ag News – Crop Weather

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Released: September 4, 2012

Issue No: CW-35-12

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

CORN CONDITION RATINGS UNCHANGED

Warm, dry weather was widespread across the state this past week, yet corn condition ratings held steady from the previous week, according to the USDA, NASS, Minnesota Field Office. As of September 2, corn condition was rated 5 percent very poor, 12 percent poor, 33 percent fair, 43 percent good, and 7 percent excellent.

Temperatures averaged 6.6° above normal statewide, and limited precipitation was received. The highest amount of precipitation was recorded at the Wheaton reporting station, at just over a quarter of an inch. Statewide, topsoil moisture supplies were rated 22 percent very short, 41 percent short, and 37 percent adequate. During the week, 6.8 days were rated suitable for fieldwork.

Corn was 88 percent in the dent stage or beyond, compared to 55 percent for the five year average, and 16 percent of corn was mature, compared to 5 percent average. Corn harvested for silage was 65 percent complete. Soybeans were 56 percent turning yellow or beyond, compared to 26 percent average, and 21 percent of soybeans were dropping leaves or beyond, compared to 5 percent average. Three percent of the state's soybeans were mature, compared to 0 percent average. Statewide, 80 percent of soybeans were rated in fair to good condition, unchanged from the previous week.

Sugarbeet harvest was 7 percent complete with 77 percent of the crop rated in good to excellent condition. Potatoes were 30 percent harvested by week's end with 80 percent rated in good to excellent condition. Sweet corn harvest advanced to 84 percent complete. Other crops being harvested included dry beans at 21 percent and canola at 93 percent complete.

Range and pasture condition was rated 19 percent very poor, 23 percent poor, 30 percent fair, 25 percent good, and 3 percent excellent.

NASS is currently conducting our annual September surveys on crops and livestock. In the first two weeks of September, NASS is surveying U.S. small grains growers for final production. We are also asking hog producers about their summer pig crop, next year's farrowing intentions, and current inventory. The responses will provide the foundation for 2012 production estimates. All participating farmers should respond. Your information matters!

Days Suitable for Fieldwork: 6.8

	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	22	41	37	0

Crop Progress as of September 2, 2012

Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Dent	88	75	57	55
Corn	Mature	16	2	3	5
Corn Silage	Harvested	65	34	13	19
Soybeans	Turning Yellow	56	26	8	26
Soybeans	Dropping Leaves	21	4	0	5
Soybeans	Mature	3	NA	0	0
Sweet Corn	Harvested	84	74	67	64
Potatoes	Harvested	30	22	18	26
Canola	Harvested	93	83	68	59
Sugarbeets	Harvested	7	4	0	1
Dry Beans	Leaves Yellowing	89	77	44	NA
Dry Beans	Dropping Leaves	67	30	11	NA
Dry Beans	Harvested	21	NA	0	7

Condition as of September 2, 2012

	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	19	23	30	25	3
Sugarbeets	1	2	20	64	13
Sunflowers	0	2	20	63	15
Corn	5	12	33	43	7
Soybeans	3	10	33	47	7
Potatoes	0	2	18	58	22
Dry Beans	2	5	27	57	9

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 September 2, 2012:
 Temperatures averaged from 4.5 degrees above normal in the North Central District to 8.8 degrees above normal in the Southwest District. Extremes: 40 degrees in Hibbing, International Falls; 99 degrees in Worthington, Owatonna, Winnebago. Average precipitation ranged from 0.99 inch below normal in the Southeast District to 0.57 inch below normal in the West Central District. Greatest weekly total of 0.26 inch was recorded in Wheaton.

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 8/27/2012 through 9/2/2012

	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	95	44	71.9	8.0	.03	-.66	-1.90	-4.23	2245	332
Itasca	91	44	68.8	7.6	.04	-.72	-1.43	-.53	1690m	34m
Moorhead	96	48	72.2	6.5	0	-.60	-1.43	-3.16	2409	322
Warroad	91	48	65.3	3.8	0	-.68	-1.04	.10	1787	106
<u>NC DIST 2</u>										
Grand Rapids	91	47	68.1	5.4	0	-.76	-2.29	9.05	2011	220
Intl. Falls	89	40	63.4	3.6	.01	-.65	-.75	-.13	1793	251
<u>NE DIST 3</u>										
Duluth	84	50	68.0	6.8	.02	-.90	-2.67	7.18	1943	401
Grand Marais	85	54	66.0	4.9	0	-.64	.11	3.50	1452	251
Hibbing	87	40	63.2	4.1	.01	-.67	-1.60	4.67	1756	332
<u>WC DIST 4</u>										
Alexandria	90	53	72.2	7.2	.16	-.61	-2.56	1.16	2295	284
Breckenridge	93	48	71.4	6.3	.04	-.66	-1.41	-1.29	2275	222
Browns Valley	91	49	69.3	3.8	.21	-.44	-1.41	-2.80	2243	167
Canby	M	M	M	M	M	M	-1.56m	-2.36m	2288m	70m
Montevideo	91	47	70.2	4.2	.05	-.74	-1.71	.58	2393	253
Morris	89	51	70.4	5.5	.18	-.53	-.44	-2.43	2269	231
Wheaton	92	54	71.7	5.9	.26	-.43	-.35	1.07	2287	171
<u>CENT DIST 5</u>										
Becker	90	58	74.1	8.5	0	-.93	-3.07	3.13	2420	315
Collegeville	85	56	71.6	4.7	0	-.90	-2.47	2.06	2438	225
Hutchinson	90	55	72.4	6.3	0	-.95	-2.61	3.82	2456	284
Melrose	88	51	70.1	6.1	.05	-.77	-2.73	1.67	2262	298
Olivia	91	45	67.6	2.3	0	-.82	-1.77	-1.11	2367	244
St. Cloud	91	50	71.4	6.9	.03	-.85	-2.86	1.49	2355	358
Wadena	88	47	67.6	5.2	.01	-.66	-2.24	5.31	2022	260
Willmar	88	55	71.4	5.3	0	-.91	-2.37	-1.29	2337	162
<u>EC DIST 6</u>										
Aitkin	M	M	M	M	0	-.72	-1.34m	13.81m	1819m	94m
Forest Lake	93	55	73.4	7.1	0	-.86	-3.09	4.31	2415	253
MSP Airport	93	61	76.7	8.8	0	-.89	-2.87	3.39	2684	370
Mora	89	50	68.6	4.8	.01	-.85	-2.86	4.50	2178	273
St. Paul - UofM	91	58	74.3	8.0	0	-.86	-2.80	1.10	2503	341
<u>SW DIST 7</u>										
Lamberton	94	52	73.0	7.0	0	-.84	-2.38	-.00	2471	286
Marshall	94	51	74.4	7.6	0	-.76	-2.09	-.95	2602	377
Pipestone	98	57	76.2	10.3	0	-.76	-2.09	2.58	2378	265
Redwood Falls	92	56	74.8	7.9	.03	-.79	-1.68	.97	2569	317
Worthington	99	53	73.9	8.2	.03	-.83	-2.49	-2.92	2444	313
<u>SC DIST 8</u>										
North Mankato	95	58	75.5	8.8	0	-.89	-3.14	-6.81	2478	266
Owatonna	99	58	75.1	8.3	0	-1.02	-2.84	1.23	2517	334
Waseca	98	55	74.6	7.7	0	-1.02	-3.81	-5.23	2452	227
Winnebago	99	58	76.2	9.3	0	-.92	-2.59	-2.12	2549	315
<u>SE DIST 9</u>										
Cannon Falls	M	M	M	M	M	M	M	8.91m	1302m	-793m
Preston	95	52	72.5	6.4	0	-1.06	-2.54	-6.00	2404	324
Red Wing	96	58	74.7	7.6	0	-.99	-1.95	7.81	2531	321
Rochester	95	57	75.2	9.0	0	-.97	-3.51	-4.92	2508	359
Rosemount	92	54	72.9	6.6	.01	-1.00	-2.21	3.79	2449	308
Winona Dam	97	61	75.0	7.8	0	-.99	-1.97	-4.99	2507	337

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.

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

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