



Minnesota Ag News – Crop Weather

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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

CORN DEVELOPMENT MOVES CLOSER TO THE FIVE-YEAR AVERAGE

Weekend rain across the state ended an otherwise dry week, according to the USDA, NASS, Minnesota Field Office. For the week ending August 14, 5.8 days were rated suitable for fieldwork, the second highest of the season. Topsoil moisture supplies rated surplus were 17 percent, compared to 24 percent last week. Reporters noted the need for rain in southern areas of the state, while wet conditions persisted in northwestern and central areas. Precipitation was reported at every station; however, amounts were below average statewide. The North Central District was the only district to receive above normal precipitation at nearly a half-inch. The statewide average temperature was 1.5° cooler than normal, a departure from the hot conditions prevalent in earlier weeks. Producers continued to scout for soybean aphids and spray when necessary.

Seventy-three percent of corn was in the milk stage, moving closer to the five-year average of 76 percent. Twenty-seven percent of corn was in the dough stage, and 2 percent was in the dent stage, compared to 6 percent last year and 8 percent average. Corn condition ratings were nearly equal to the previous week.

Soybeans blooming were estimated at 93 percent, and 70 percent were setting pods, compared to 90 percent last year and 85 percent average. Soybean condition ratings improved slightly from the previous week.

Eighty-eight percent of spring wheat was turning ripe and 21 percent was harvested, while 95 percent of barley was turning ripe and 21 percent was harvested. Ninety-seven percent of oats were turning ripe, and harvest was 51 percent complete. Condition ratings for all three small grains declined slightly this past week.

Other harvest activity included potatoes at 9 percent complete, canola at 6 percent complete, and sweet corn at 25 percent complete.

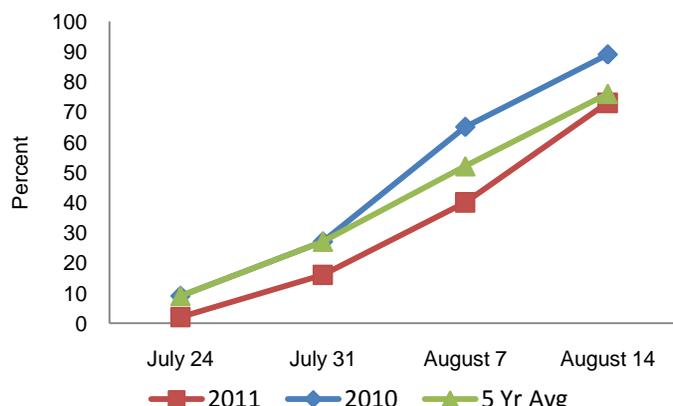
Range and pasture conditions were rated 1 percent very poor, 4 percent poor, 15 percent fair, 59 percent good, and 21 percent excellent, down slightly from the previous week.

Days Suitable for Fieldwork: 5.8				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	8	75	17

Crop Progress as of August 14, 2011					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Milk	73	40	89	76
	Dough	27	8	49	37
	Dent	2	0	6	8
Soybeans	Blooming	93	88	99	98
	Setting Pods	70	48	90	85
Oats	Turning Ripe	97	91	100	97
	Harvested	51	23	80	72
Spring Wheat	Turning Ripe	88	76	100	90
	Harvested	21	6	71	46
Barley	Turning Ripe	95	77	100	91
	Harvested	21	7	67	58
Dry Beans	Blooming	95	87	99	NA
	Setting Pods	73	49	88	NA
	Fully Podded	25	1	46	NA
Potatoes	Harvested	9	5	15	14
Canola	Harvested	6	3	19	15
Sweet Corn	Harvested	25	17	30	27

Condition as of August 14, 2011					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	1	4	15	59	21
Soybeans	2	5	20	53	20
Corn	2	5	18	58	17
Oats	1	5	23	60	11
Barley	1	2	23	63	11
Spring Wheat	2	7	29	51	11
Sugarbeets	3	13	29	42	13
Potatoes	0	3	13	52	32
Canola	0	13	38	46	3
Dry Beans	1	6	21	48	24
Sunflowers	1	6	44	40	9

Corn in the Milk Stage



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 August 14, 2011:
 Temperatures averaged from 2.7 degrees below normal in the Southwest District to 0.3 degree above normal in the East Central District.
 Extremes: 86 degrees in Canby, Hutchinson, Forest Lake, Winnebago; 38 degrees in Hibbing. Average precipitation ranged from 0.64 inch below normal in the East Central District to 0.48 inch above normal in the North Central District. Greatest weekly total of 1.37 inches was recorded in Grand Rapids.

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 8/8/2011 through 8/14/2011

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Four Weeks	From Norm Since 4/1	Since May 17	Depart from Norm	
<u>NW DIST 1</u>										
Crookston	85	53	68.5	-1.0	.76	.08	1.23	.21	1532	0
Itasca	82	48	66.6	.7	.07	-.79	-2.26m	.38m	1331m	60m
Moorhead	85	55	70.2	-.3	.19	-.39	3.83	7.57	1707	106
Warroad	83	49	65.0	-2.1	.16	-.51	-.63	1.76	1271	-83
<u>NC DIST 2</u>										
Grand Rapids	83	46	66.2	-.3	1.37	.51	2.55	3.39	1447	94
Intl. Falls	81	39	62.4	-2.9	1.15	.45	-1.16	.39	1276	4
<u>NE DIST 3</u>										
Duluth	81	50	65.8	.8	1.17	.24	3.05	3.29	1249	71
Grand Marais	79	47	61.2	-2.3	.34	-.35	.95	-.43m	703m	-144m
Hibbing	80	38	62.4	-2.6	.88	.07	-.56	-1.84	1243	10
<u>WC DIST 4</u>										
Alexandria	80	56	68.3	-.9	.35	-.47	2.71	7.37	1618	81
Browns Valley	85	53	68.8	-2.6	.06	-.61	-.43	3.36	1633	-58
Canby	86	57	70.2	-2.1	.23	-.41	-1.41	3.15	1754	-15
Montevideo	84	54	67.7	-3.3	.30	-.44	-.80	2.69	1726	38
Morris	82	55	67.5	-2.9	.50	-.29	.17	3.92	1642	-1
Wheaton	85	57	69.0	-2.5	.57	-.02	2.41	5.16	1670	-6
<u>CENT DIST 5</u>										
Becker	M	M	M	M	.63	-.36	.47	8.11	602m	-961m
Collegeville	84	56	70.5	-.9	1.25	.38	1.20	8.17	1820	110
Hutchinson	86	55	69.9	-.4	.76	-.19	.26	8.46m	1761	67
Melrose	82	54	68.6	-1.7	.07	-.74	.73	5.65	1637	0
Olivia	83	52	67.2	-2.6	.30	-.48	-1.68	2.48	1723	54
St. Cloud	84	52	68.7	.1	.79	-.11	.74	4.35	1682	159
Wadena	80	51	66.0	-1.1	.35	-.38	-1.66m	-3.89m	796m	-585m
Willmar	82	52	67.2	-2.1	.61	-.26	1.33	5.65	1670	63
<u>EC DIST 6</u>										
Aitkin	83m	62m	72.5m	6.6m	0m	-.93m	.38m	5.01m	1460m	154m
Forest Lake	86	53	69.1	-.7	0	-1.07	.14	3.47	1733	113
Hinckley	79	46	64.6	-2.1	.04	-.93	1.51	2.00m	1335m	-39m
MSP Airport	84	58	71.8	-.1	.62	-.33	-.83	2.98	1962	197
St. Paul - UofM	81	55	69.4	-2.1	1.06	.04	3.21	7.86	1781	50
<u>SW DIST 7</u>										
Lamberton	84	54	68.4	-2.1	.31	-.48	-1.97	4.73	1833	101
Marshall	85	54	69.4	-2.3	.12	-.60	-1.63	2.28	1784	27
Pipestone	84	49	67.2	-3.5	.58	-.12	-.16	7.82	1666	5
Redwood Falls	85	53	69.4	-2.9	.17	-.68	-2.74	.53	1871	52
Worthington	82	52	67.6	-1.8	.25	-.56	-1.71	7.27	1738	110
<u>SC DIST 8</u>										
Faribault	M	M	M	M	M	M	M	.37m	613m-1041m	
North Mankato	80	54	67.6	-3.2	.70	-.33	-1.73	.93	1766	47
Waseca	82	51	67.2	-2.9	.51	-.58	-1.66	3.66	1836	158
Winnebago	86	55	70.4	-.3	.13	-.87	-3.35	1.56	1877	144
<u>SE DIST 9</u>										
Preston	83	49	67.0	-2.4	.25	-.83	-2.86	-1.06	1765	179
Red Wing	84	58	70.4	-.8	.01	-.89	-.31	2.61	1855	152
Rochester	81	51	66.8	-2.2	.19	-.82	-3.31	.36	1769	203
Rosemount	81	53	68.6	-1.2	1.16	.09	-1.57	6.21	1800	169
Winona	83	57	69.6	-1.7	.53	-.41	3.52	3.66	1784m	52m

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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