



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 - Homepage: <http://www.nass.usda.gov>

Released: September 6, 2011

Issue No: CW-35-11

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

TOPSOIL MOISTURE CONTINUED ITS STEADY DECLINE INTO SEPTEMBER

As of September 4, 10 percent of the state's soybeans reached the turning yellow stage of development, according to the USDA, NASS, Minnesota Field Office. This compared to 41 percent turning yellow last year and 42 percent for the five-year average. Soybean condition ratings were 28 percent fair and 49 percent good, a slight decline from the previous week.

Average temperatures were 3.4° above normal this past week and continued a pattern of above average temperatures and below average precipitation for several consecutive weeks. Precipitation ranged from .89 inch in southeastern areas to .27 inch in west central areas. Some reporters noted that crops are beginning to show signs of stress from lack of moisture. Topsoil moisture supplies were rated 7 percent very short, 23 percent short, 65 percent adequate, and 5 percent surplus, a slight decline from the previous week. Statewide, 5.6 days were rated suitable for fieldwork.

The small grain harvest neared completion. Ninety percent of spring wheat was harvested compared to 87 percent average. Ninety-six percent of oats were harvested, equal to average pace, while ninety four percent of barley was harvested, compared to 91 percent average.

Other harvest activities included sweet corn at 71 percent complete, potatoes at 20 percent complete, and canola at 75 percent complete.

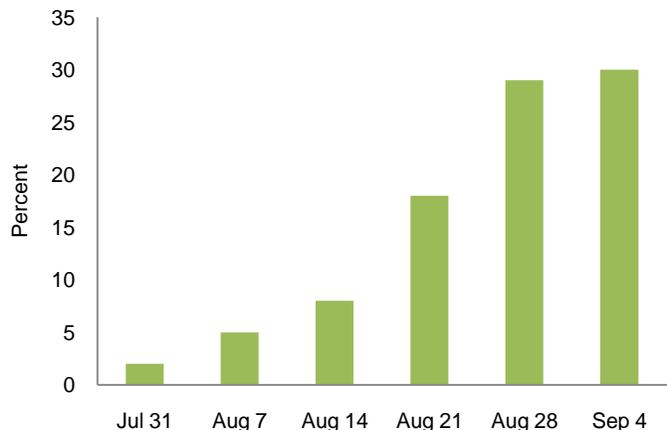
Corn progress continued to catch up to average pace. Ninety-four percent of corn was in the dough stage, compared to 90 percent average, while 65 percent of corn was in the dent stage, compared to 66 percent average. Four percent of corn reached the mature stage, compared to 8 percent average. Corn condition was rated 26 percent fair and 48 percent good, a slight decline from the previous week. Corn harvested for silage was 16 percent complete, compared to 32 percent last year and 25 percent average.

Days Suitable for Fieldwork: 5.6				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	7	23	65	5

Crop Progress as of September 4, 2011					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Dough	94	82	98	90
	Dent	65	36	83	66
	Mature	4	0	11	8
Corn Silage	Harvested	16	5	32	25
Soybeans	Setting Pods	98	94	100	99
	Turning Yellow	10	2	41	42
Oats	Harvested	96	90	100	96
Spring Wheat	Harvested	90	77	100	87
Barley	Harvested	94	76	100	91
	Fully Podded	94	78	99	NA
	Leaves Yellowing	52	24	80	NA
Potatoes	Dropping Leaves	15	NA	43	NA
	Harvested	20	14	31	32
Canola	Harvested	75	50	97	68
Sweet Corn	Harvested	71	57	72	69

Condition as of September 4, 2011					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	3	10	25	50	12
Soybeans	3	8	28	49	12
Corn	3	10	26	48	13
Sugarbeets	4	14	31	37	14
Potatoes	1	3	19	47	30
Dry Beans	3	8	28	45	16
Sunflowers	1	6	51	37	5

Topsoil Moisture Supplies Rated Short and Very Short



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 4, 2011:
 Temperatures averaged from 1.8 degrees above normal in the Northeast District to 5.7 degrees above normal in the East Central District.
 Extremes: 34 degrees in International Falls, Hibbing; 94 degrees in Canby, Winona and at the Minneapolis Airport. Average precipitation ranged from 0.47 inch below normal in the Central District to 0.01 inch below normal in the Northwest District. Greatest weekly total of 1.41 inches was recorded in Rochester.

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 8/29/2011 through 9/4/2011

	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 May 17	Depart from Norm
<u>NW DIST 1</u>										
Crookston	87	46	67.0	3.9	.37	-.23	-1.29	-1.16	1923	47
Itasca	M	M	M	M	M	M	-2.52m	-1.35m	1565m	14m
Moorhead	85	47	67.2	3.2	.20	-.34	-1.82	6.15	2110	149
Warroad	83	47	65.4	5.1	.69	.04	-1.70	.57	1601	-52
<u>NC DIST 2</u>										
Grand Rapids	83	43	63.8	3.5	.22	-.54	.07	2.95	1782	137
Intl. Falls	82	34	60.8	1.9	.86	.12	-.57	-.64	1590	47
<u>NE DIST 3</u>										
Duluth	81	47	63.6	4.0	.62	-.40	-1.06	1.99	1577	126
Grand Marais	79	47	59.0	-.7	.53	-.24	-1.33	-1.40m	934m	-180m
Hibbing	80	34	61.1	2.1	.69	-.06	-.92	-2.84	1547	46
<u>WC DIST 4</u>										
Alexandria	84	47	65.8	2.5	.19	-.55	-1.15	6.68	1988	110
Browns Valley	88	50	67.3	1.9	.23	-.28	-.71	3.26	2012	-57
Canby	94	50	69.1	2.3	.21	-.38	-1.95	1.60	2191	22
Montevideo	90	49	68.4	2.9	.64	.02	-.86	2.26	2126	62
Morris	87	49	66.1	1.5	.15	-.44	-1.29	2.92	2006	-1
Wheaton	85	50	67.2	2.0	.17	-.36	.12	5.29	2061	7
<u>CENT DIST 5</u>										
Becker	M	M	M	M	.17	-.71	-2.64	5.83	602m-1297m	
Collegeville	87	52	69.6	3.6	.21	-.63	1.27	9.06	2256	162
Hutchinson	89	50	68.5	3.7	.34	-.40	-1.57	7.08m	2181	124
Melrose	84	51	66.8	2.4	.23	-.49	-2.35	4.04	2020	23
Olivia	90	49	67.7	3.4	.03	-.70	-1.75	1.21	2099	75
St. Cloud	88	46	67.0	4.3	.25	-.58	-.17	4.30	2069	217
Wadena	84	46	63.4	2.3	.19	-.46	-1.35	-4.85m	1117m	-570m
Willmar	88	46	66.1	2.3	.96	.18	-.04	5.87	2037	85
<u>EC DIST 6</u>										
Aitkin	85	48	67.0	6.7	.37	-.40	-1.30	4.64	1951	360
Forest Lake	90	53	70.4	6.1	.56	-.37	-2.38	2.15	2164	188
Hinckley	86	47	66.2	5.5	.94	.08	-1.04	1.89m	1666m	-4m
MSP Airport	94	53	72.0	5.7	.04	-.75	-1.33	1.98	2439	282
St. Paul - UofM	90	53	70.4	4.2	.34	-.55	-.48	7.34	2212	94
<u>SW DIST 7</u>										
Lamberton	92	50	69.2	3.9	.08	-.61	-2.30	2.91	2238	135
Marshall	93	49	69.5	3.3	.13	-.48	-2.35	.54	2203	57
Pipestone	88	42	65.9	1.1	.48	-.21	-1.36	6.59	2044	15
Redwood Falls	93	49	69.5	2.6	.02	-.69	-1.87	-.66	2297	79
Worthington	89	48	67.4	3.3	.74	.03	-1.99	5.83	2130	151
<u>SC DIST 8</u>										
Faribault	M	M	M	M	M	M	M	-2.53m	613m-1402m	
North Mankato	91	52	68.2	2.6	.62	-.27	-2.31	-1.05	2159	64
Waseca	88	46	68.2	3.1	.36	-.56	-3.00	1.24	2239	195
Winnebago	90	50	69.6	3.6	.44	-.35	-2.61	-.19	2306	193
<u>SE DIST 9</u>										
Preston	93	51	69.8	5.4	1.28	.30	-2.02	-2.25	2169	231
Red Wing	93	56	71.8	6.0	.33	-.56	-1.79	1.70	2309	225
Rochester	89	48	67.5	3.6	1.41	.54	-1.65	-.47	2149	238
Rosemount	91	54	70.2	5.5	.25	-.71	-1.69	4.43	2225	235
Winona	94	56	71.5	5.4	.86	-.05	-1.29	2.78	2236m	120m

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

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

PRESORTED
 FIRST CLASS MAIL
 POSTAGE & FEES PAID
 USDA PERMIT NO G-38