



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 19, 2011

Issue No: CW-37-11

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

HARVEST CONTINUED, RECORD LOW TEMPERATURES RECORDED

Harvest of canola, sweet corn and dry beans advanced following another relatively dry week, according to the USDA, NASS, Minnesota Field Office. As of September 18, canola and sweet corn harvests were nearing completion at 98 and 89 percent harvested respectively while dry beans were 31 percent harvested. Potato harvest advanced 9 percentage points to 38 percent harvested, 10 points behind last year and 11 points behind average. Pre-pile harvest of sugarbeets continued with 3 percent of the crop harvested. Statewide, 6.5 days were rated suitable for fieldwork.

Overnight temperatures on September 15 fell into the low 30s to mid 20s setting record lows in several Minnesota communities. Reporters noted the freezing temperatures ended the growing season in portions of the state, but indicated the impact on row crops was unclear. Corn and soybean condition ratings declined during the week. Statewide, 46 percent of corn was rated in good condition with 10 percent rated excellent. Forty-three percent of soybeans were in good condition, 8 percent in excellent.

Ninety-two percent of corn was in the dent stage, 9 points higher than a week ago and 1 point ahead of average. Twenty-eight percent of corn was rated mature compared to 46 percent last year and 37 percent average. Forty-one percent of soybeans were dropping leaves, up 32 points from last week, but 23 points behind last year and 18 behind average. Seven percent of soybeans were rated mature, compared to 22 percent last year and 23 percent average.

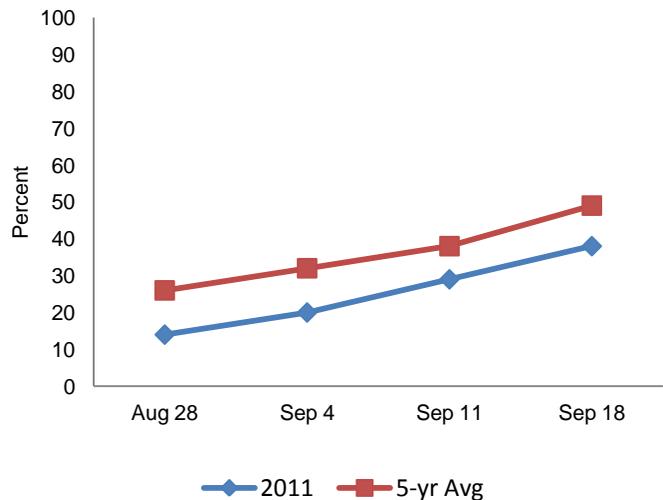
Topsoil moisture supplies declined. Fifty-one percent of the state's topsoil was rated adequate with 34 percent short and 14 percent very short. A majority of reporting stations ranged from 1 to 3 inches below normal for precipitation over the last four weeks.

Days Suitable for Fieldwork: 6.5				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	14	34	51	1

Crop Progress as of September 18, 2011					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Dent	92	83	97	91
	Mature	28	10	46	37
Corn Silage	Harvested	68	40	80	65
Soybeans	Turning Yellow	73	39	93	89
	Dropping Leaves	41	9	64	59
Sugarbeets	Mature	7	NA	22	23
	Harvested	3	1	12	8
Dry Beans	Leaves Yellowing	92	73	100	NA
	Dropping Leaves	73	40	90	NA
Potatoes	Harvested	31	NA	48	43
	Harvested	38	29	48	49
Canola	Harvested	98	88	100	82
Sweet Corn	Harvested	89	81	91	88

Condition as of September 18, 2011					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	5	17	34	37	7
Soybeans	4	13	32	43	8
Corn	4	12	28	46	10
Sugarbeets	5	15	35	39	6
Potatoes	0	2	20	55	23
Dry Beans	3	9	35	40	13
Sunflowers	1	8	48	37	6

Potatoes Harvested



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 18, 2011:
 Temperatures averaged from 6.4 degrees below normal in the North Central District to 3.1 degrees below normal in the East Central District.
 Extremes: 19 degrees in International Falls; 92 degrees in Canby. Average precipitation ranged from 0.67 inch below normal in the East Central District to 0.30 inch below normal in the Northeast District. Greatest weekly total of 0.74 inch was recorded in Grand Marais.

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 9/12/2011 through 9/18/2011

	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	89	29	53.2	-3.9	.13	-.39	-1.81	-2.10	2100	73
Itasca	87	29	50.8	-2.5	.02	-.67	-2.53	.58	1779m	111m
Moorhead	81	30	54.3	-3.8	.06	-.45	-1.83	5.18	2303	180
Warroad	80	27	50.2	-4.0	.18	-.45	-1.67	-.52	1754	-21
<u>NC DIST 2</u>										
Grand Rapids	84	26	48.9	-6.0	.19	-.53	-2.38	1.68	1936	164
Intl. Falls	77	19	46.5	-6.7	.39	-.34	-1.68	-1.72	1738	83
<u>NE DIST 3</u>										
Duluth	82	30	50.4	-4.4	.64	-.36	-2.32	.59	1732	156
Grand Marais	70	33	49.6	-5.7	.74	-.07	-1.79	-2.27m	1041m	-201m
Hibbing	81	20	46.1	-7.6	.28	-.48	-1.90	-4.08	1693	76
<u>WC DIST 4</u>										
Alexandria	84	32	53.0	-5.0	.41	-.22	-1.63	5.79	2161	123
Browns Valley	91	28	54.8	-5.1	0	-.42	-1.27	2.37	2190	-59
Canby	92	32	56.9	-4.8	.03	-.53	-2.09	.50	2373	6
Montevideo	88	30	55.4	-4.9	.12	-.40	-.88	1.30	2304	58
Morris	87	31	56.0	-3.2	.05	-.43	-1.63	1.97	2176	-3
Wheaton	88	33	55.8	-3.6	0	-.49	-1.54	4.30	2241	12
<u>CENT DIST 5</u>										
Becker	88	29	57.4	-.6	.35	-.39	-2.69	4.63	2319	264
Collegeville	83	35	56.4	-4.7	.30	-.45	-1.48	7.82	2447	164
Hutchinson	87	34	56.6	-3.3	.06	-.47	-1.98	5.99m	2362	130
Melrose	85	30	55.0	-4.0	.07	-.57	-2.23	2.80	2192	26
Olivia	89	30	56.0	-3.3	.24	-.41	-1.81	.11	2274	78
St. Cloud	88	29	53.2	-4.4	.39	-.29	-2.00	3.26	2244	239
Wadena	87	26	52.0	-3.7	.18	-.42	-1.71	-5.89m	1280m	-543m
Willmar	85	30	54.8	-4.0	.07	-.58	-1.56	4.58	2204	86
<u>EC DIST 6</u>										
Aitkin	86	28	51.7	-3.6	0	-.68	-2.41	3.24	2118	399
Forest Lake	90	31	57.4	-2.0	0	-.77	-2.94	.54	2351	202
Hinckley	83	27	52.7	-2.8	0	-.76	-2.08	.31m	1819m	15m
MSP Airport	90	36	57.8	-3.4	.20	-.42	-2.62	.86	2643	294
St. Paul - UofM	87	33	57.5	-3.8	.04	-.70	-2.92	5.82	2400	90
<u>SW DIST 7</u>										
Lamberton	91	29	55.8	-4.6	.01	-.59	-2.59	1.67	2417	132
Marshall	90	32	56.7	-4.4	.20	-.33	-2.04	-.36	2385	46
Pipestone	91	29	55.8	-3.7	.17	-.48	-1.81	5.43	2214	9
Redwood Falls	91	30	55.8	-6.1	.12	-.46	-1.56	-1.75	2479	61
Worthington	87	29	54.0	-5.3	.03	-.56	-1.85	4.61	2289	139
<u>SC DIST 8</u>										
Faribault	M	M	M	M	M	M	M	-4.11m	613m-1579m	
North Mankato	88	33	55.6	-5.3	.16	-.56	-2.50	-2.40	2337	54
Waseca	88	32	56.8	-3.7	.23	-.51	-2.72	-.09	2408	181
Winnebago	89	32	56.6	-5.0	.30	-.30	-1.79	-1.16	2482	175
<u>SE DIST 9</u>										
Preston	88	30	56.5	-3.3	.05	-.80	-1.90	-3.96	2330	218
Red Wing	89	35	58.4	-2.4	.16	-.68	-2.82	.15	2489	220
Rochester	87	31	55.1	-4.1	.31	-.42	-1.08	-1.69	2314	234
Rosemount	89	32	57.5	-2.6	.20	-.62	-3.12m	2.91m	2407	240
Winona	87	36	58.1	-3.1	.13	-.69	-2.34	1.22	2408m	102m

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

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