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USDA, NASS, MINNESOTA FIELD OFFICE, IN COOPERATION WITH THE NATIONAL WEATHER SERVICE - CHANHASSEN MN,  
UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, AND USDA-NRCS

**STEADY HARVEST PROGRESS**

Harvest of crops continued at a steady pace this past week, aided by warm temperatures, according to USDA, NASS, Minnesota Field Office. Harvest progress of sweet corn, potatoes and canola continued ahead of the five-year average pace, while harvest of dry beans and sugarbeets were both underway. Areas of surplus soil moisture continued to dissipate with exception of the southeast corner of the state which received additional rain.

The average temperature for the week was 67.2°, 3.0° above normal. Statewide topsoil moisture supplies as of Friday were rated 15 percent very short, 23 short, 56 adequate, and 6 surplus.

Minnesota's corn and soybean crops continued to mature ahead of the average pace. As of Sunday Sep 2<sup>nd</sup>, 87 percent of corn had reached the dent stage, compared to 59 percent for the five-year average. Thirteen percent of corn was mature, compared to 4 percent average. Fifty-one percent of soybeans were turning yellow, compared to 38 percent average. Thirteen percent of soybeans were dropping leaves compared to 7 percent average.

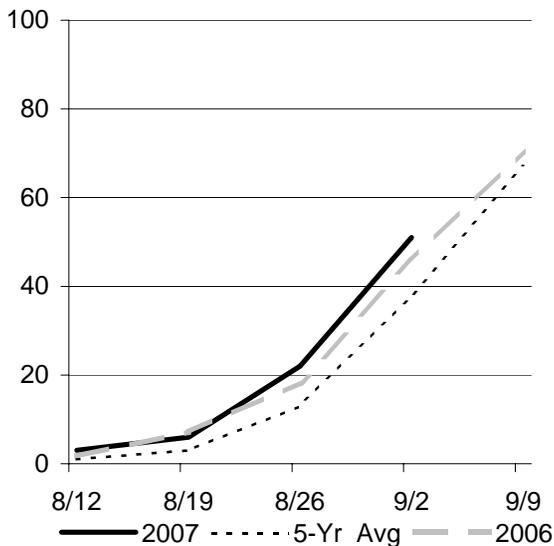
As of Friday, Aug 31<sup>st</sup>, forty-five percent of field corn, and 52 percent of soybean were rated in good or excellent condition. Eighty percent of potatoes, 63 percent of sunflowers, and 51 percent of sugarbeets were rated in good or excellent condition.

Days Suitable for Fieldwork: 5.1				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	15	23	56	6

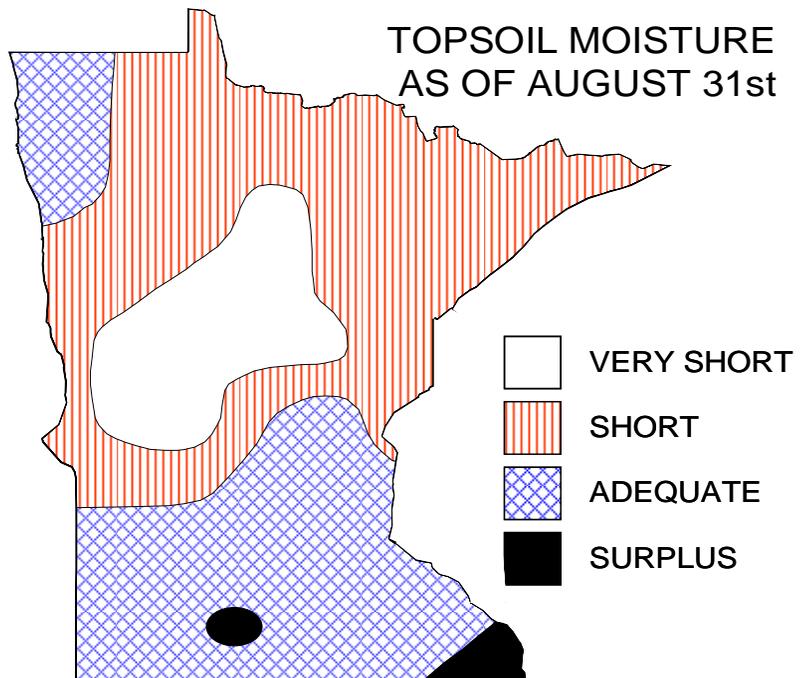
Crop Progress as of September 2, 2007					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
Corn	Denting	87	76	82	59
	Mature	13	4	6	4
	Silage	36	17	25	16
Soybeans	Turning Yellow	51	22	46	38
	Dropping Leaves	13	2	12	7
	Mature	1	0	1	0
Sugarbeets	Harvested	2	0	0	0
Sweet Corn	Harvested	75	58	76	66
Potatoes	Harvested	35	30	41	31
Dry Beans	Harvested	13	0	14	6
Canola	Harvested	79	65	96	65

Crop Condition as of August 31, 2007 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	18	23	30	24	5
Corn	11	15	29	39	6
Soybeans	6	13	29	43	9
Sugarbeets	2	5	42	40	11
Potatoes	0	1	19	64	16
Dry Beans	2	9	30	53	6
Sunflowers	1	5	31	47	16

**SOYBEANS YELLOWING  
AUGUST 12 - SEPTEMBER 9**



**TOPSOIL MOISTURE  
AS OF AUGUST 31st**



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING September 2,2007:  
 Temperatures averaged from 2.0 degrees above normal in the Northwest District to 3.9 degrees above normal in the Central District. Extremes: 33 degrees in Hibbing; 92 degrees in Redwing. Precipitation averaged from 0.55 inch below normal in the West Central District to 0.48 inch above normal in the Southeast District. Greatest weekly total was 2.65 inches recorded in Preston.

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 8/27/2007 through 9/2/2007

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 3	Depart from Norm
<u>NW DIST 1</u>										
Crookston	89	46	65.6	1.6	1.86	1.25	-.00	2.10	2033	63
Moorhead	90	47	67.8	2.9	.92	.38	-.05	3.22	2262	201
Warroad	87	46	62.8	1.6	.09	-.56	-1.09	1.14	1853	131
<u>NC DIST 2</u>										
Grand Rapids	84	42	64.6	3.6	1.12	.35	-1.66	-6.46	2015	290
Intl. Falls	85	35	59.9	.2	.20	-.54	-1.53	-1.69	1698	80
Itasca	87	43	65.6	5.5	1.27	.48	-1.48	.32	1918	300
<u>NE DIST 3</u>										
Duluth	81	44	64.4	4.1	1.15	.14	-2.48	-6.50	1744	234
Grand Marais	85	52	62.9	2.6	1.08	.33	-1.46	-4.21	1065	-75
Hibbing	82	33	62.0	2.3	.39	-.36	-2.67	-9.15	1712	142
<u>WC DIST 4</u>										
Alexandria	86	47	68.0	4.0	0	-.76	-2.85	-8.34	2246	275
Browns Valley	90	46	67.8	1.6	.16	-.37	-.20	4.63	2128	-47
Canby	89	48	69.2	1.7	.08	-.52	-.29	-1.08	2368	91
Fergus Falls	89	45	66.7	2.2	.03	-.60	-1.57	1.68	2190	192
Montevideo	89	46	68.9	2.7	.18	-.46	1.54	-2.09	2318	151
Morris	87	44	67.5	2.2	0	-.62	-.21	-2.29	2188	77
<u>CENT DIST 5</u>										
Becker	83	48	68.4	5.0	.53	-.37	1.13	-5.87	2354	406
Collegeville	M	M	M	M	M	M	1.93m	-4.79m	2333m	125m
Hutchinson	85	48	69.4	3.6	1.44	.66	1.67	-3.92	2400	212
Olivia	88	49	68.4	3.5	1.36	.62	1.03	-2.46	2279	148
St. Cloud	88	44	67.2	3.8	.10	-.75	.55	-4.49	2253	305
Staples	85	41	65.0	3.1	.48	-.18	-1.88	-2.52	2006	243
Willmar	88	50	69.9	4.6	.15	-.65	2.35	-2.16	2346	220
<u>EC DIST 6</u>										
Aitkin	80	41	63.5	2.5	.88	.09	-1.19	-6.81	1963	295
Forest Lake	85	49	68.2	3.2	.29	-.66	.89	-5.19	2319	240
MSP Airport	85	54	70.4	3.4	1.36	.54	5.57	-.44	2607	337
St. Paul - UofM	86	51	70.4	2.6	2.20	1.29	1.59	-6.83	2603	273
<u>SW DIST 7</u>										
Lamberton	89	47	68.4	2.5	.27	-.44	1.44	-1.33	2354	140
Pipestone	89	48	68.8	3.2	.27	-.42	1.41	-3.20	2315	185
Redwood Falls	91	48	70.4	2.9	.66	-.07	3.02	-1.51	2414	74
Worthington	88	46	67.2	2.4	.39	-.34	7.22	4.23	2344	269
<u>SC DIST 8</u>										
Faribault	84	51	69.5	4.1	.80	-.13	2.29	-2.91	2359	246
Mankato	88	51	69.2	2.9	.22	-.70	3.05	-4.07	2362	157
Waseca	85	49	69.2	3.4	.98	.04	5.33	2.29	2353	202
Winnebago	89	50	70.5	3.9	.68	-.14	2.38	-4.59	2343	120
<u>SE DIST 9</u>										
Preston	90	48	67.9	2.9	2.65	1.65	8.84	8.29	2177	149
Red Wing	92	52	71.6	5.1	1.67	.78	5.69	.06	2386	196
Rochester	86	53	69.0	4.4	1.64	.75	8.15	3.75	2344	339
Rosemount	81	52	68.8	3.5	.72	-.26	4.27	-2.26	2373	285
Winona	88	54	68.6	.1	.46	-.45	7.24	6.50	2301	-118

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.

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