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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

RAIN IMPROVES CROP CONDITIONS

Widespread rain and slightly cooler temperatures improved crop conditions and soil moisture supplies in the southern third of the state, according to USDA, NASS, Minnesota Field Office. Although the north and central areas received some precipitation, topsoil moisture supplies remained short or very short. The small grain harvest progressed rapidly as warm temperatures returned later in the week.

The average temperature for the week was 74.3°, 4.2° above normal. Statewide topsoil moisture supplies as of Friday were rated 28% very short, 32% short, 40% adequate, and 0% surplus.

As of Sunday August 6th, an estimated 67% of corn was in the milk stage, compared to 41% for the five-year average. Corn in the dough stage was 12%, compared to 7% average. Corn crop condition was rated 56% good to excellent, an improvement of 8 percentage points from the previous week. Soybeans setting pods were 86% compared to 56% average. Soybean crop condition was rated 60% good to excellent, an improvement of 11 percentage points from the previous week.

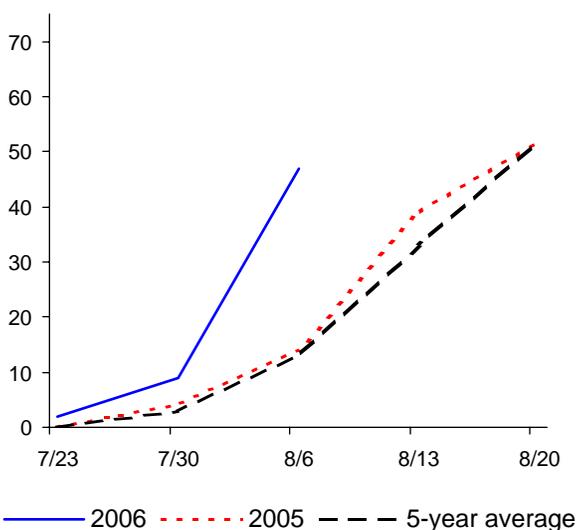
Spring Wheat was 47% harvested; 34 percentage points ahead of the five year average. Spring wheat condition was 45% good or excellent, a slight improvement from the previous week. The sweet corn harvest was 22% complete, 11 percentage points ahead of average.

Days Suitable for Fieldwork: 5.4				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	28	32	40	0

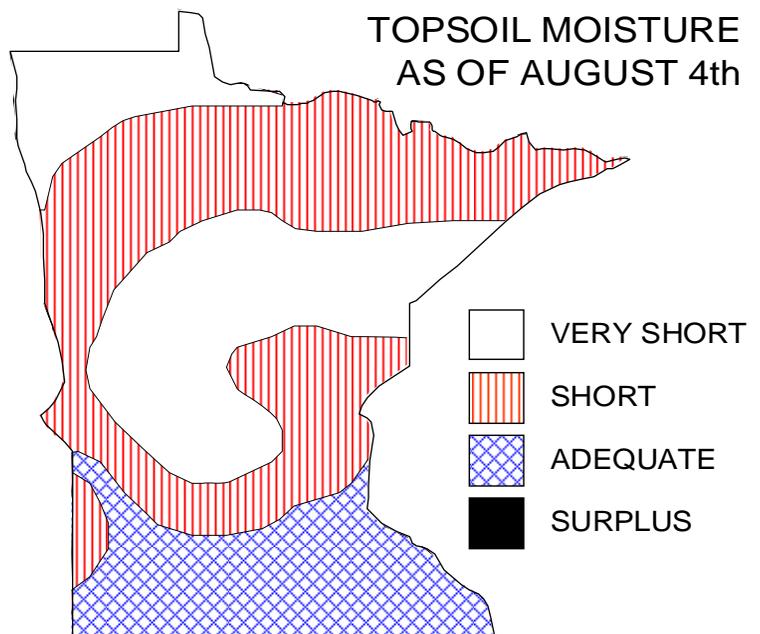
Crop Progress as of August 6, 2006					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		Percent			
Corn	Milk	67	32	57	41
	Dough	12	2	9	7
Soybeans	Setting Pods	86	62	71	56
Oats	Harvested	78	49	52	42
Barley	Harvested	68	33	44	24
Spring Wheat	Harvested	47	9	14	13
Potatoes	Harvested	11	0	0	0
Canola	Harvested	12	6	9	3
Sweet Corn	Harvested	22	11	13	11

Crop Condition as of August 4, 2006 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	29	26	29	15	1
Corn	8	10	26	43	13
Soybeans	6	10	24	46	14
Alfalfa	16	28	28	25	3
Spring Wheat	6	13	36	38	7
Barley	10	19	35	33	3
Sugarbeets	2	12	33	39	14
Dry Beans	11	17	44	21	7
Potatoes	3	6	33	39	19
Sunflowers	3	7	30	50	10
Canola	5	16	36	41	2

**PERCENT OF SPRING WHEAT HARVESTED
JULY 23 - AUGUST 20**



**TOPSOIL MOISTURE
AS OF AUGUST 4th**



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING AUGUST 6, 2006:
 Temperatures averaged from 1.7 degrees above normal in the Northwest District to 6.3 degrees above normal in the East Central District. Extremes: 43 degrees in Hibbing and International Falls; 107 degrees in Browns Valley. Precipitation averaged from 0.26 inch below normal in the West Central District to 2.66 inches above normal in the Southwest District. Greatest weekly total was 5.49 inches recorded in St. Paul.

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 7/31/2006 through 8/6/2006

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	From Norm Since 4/1	Since May 2	Depart from Norm
<u>NW DIST 1</u>										
Crookston	97	51	73.1	2.9	.08	-.60	-1.83	-5.23	1641	143
Moorhead	89	53	71.8	.5	.48	-.11	.25	-4.15	1759	192
Warroad	88	54	69.6	1.7	1.53	.82	-1.53	-3.88	1476	170
<u>NC DIST 2</u>										
Grand Rapids	98	52	72.3	4.8	.09	-.82	-2.09	-5.18	1595	274
Intl. Falls	86	43	64.7	-1.6	1.53	.84	-.69	-2.73	1363	124
Itasca	97	51	71.2	4.5	.11	-.75	-1.16	-4.41	1474	245
<u>NE DIST 3</u>										
Duluth	95	53	71.7	5.8	.58	-.34	-.49	-.76	1414	279
Grand Marais	87	58	71.4	8.0	.66	-.04	-1.18	-2.65	1045	265
Hibbing	96	43	68.9	2.8	.61	-.28	-2.42	-7.26	1348	150
<u>WC DIST 4</u>										
Alexandria	99	58	75.2	5.0	.13	-.64	-1.87	-5.98	1729	226
Browns Valley	107	53	77.6	5.1	.33	-.38	-1.89	-1.93	1690	31
Canby	101	59	76.2	2.9	.95	.29	-.31	-2.02	1822	86
Fergus Falls	97	56	72.6	2.1	.39	-.35	-1.45	.03	1684	166
Montevideo	97	55	73.7	1.8	.96	.23	2.59	.89	1753	98
Morris	97	52	74.0	2.7	.14	-.69	-2.68	-5.13	1691	76
<u>CENT DIST 5</u>										
Becker	99	60	78.0	8.3	.94	-.03	-1.74	-4.88	1839	344
Collegeville	101	58	77.5	5.2	.61	-.21	-1.67	-3.49	1909	224
Hutchinson	101	60	76.6	4.9	1.89	.98	-.04	-2.37	1862	176
Olivia	99	57	75.4	4.5	1.54	.78	-.36	-1.48	1776	129
St. Cloud	101	56	75.0	5.3	1.07	.24	-1.17	-3.36	1738	243
Staples	97	54	73.3	5.6	.33	-.42	-.92	-4.50	1572	225
Willmar	99	56	76.8	5.7	.26	-.57	-1.60	-5.56	1824	190
<u>EC DIST 6</u>										
Aitkin	99	60	74.1	7.2	.98	.00	-2.47	-4.86	1563	289
Forest Lake	101	60	77.2	6.4	3.34	2.29	.78	.32	1830	235
MSP Airport	101	64	78.5	5.4	4.10	3.16	1.67	1.00	2036	299
St. Paul - UofM100	62	79.4	6.1	5.49	4.49	3.91	3.48	1992	207	
<u>SW DIST 7</u>										
Lamberton	97	57	75.1	3.5	2.55	1.76	.84	5.66	1779	68
Pipestone	99	53	74.6	2.9	3.95	3.25	1.25	-1.33	1713	85
Redwood Falls	101	59	74.7	1.4	3.81	2.96	1.99	2.48	1838	38
Worthington	98	59	76.4	5.8	3.66	2.88	.80	2.47	1800	202
<u>SC DIST 8</u>										
Faribault	97	61	77.4	6.3	2.41	1.39	.39	-4.23	1793	172
Mankato	96	61	76.4	4.4	3.23	2.24	1.35	-.08	1799	109
Waseca	94	60	76.2	5.2	3.64	2.56	3.15	2.95	1830	174
Winnebago	94	61	75.7	4.0	4.00	3.02	2.48	1.89	1857	164
<u>SE DIST 9</u>										
Preston	96	58	75.3	5.0	1.54	.46	-.26	1.03	1660	111
Red Wing	100	62	78.4	6.3	3.52	2.60	1.42	-3.22	1832	160
Rochester	92	61	74.3	4.4	1.78	.74	.36	-.87	1779	243
Rosemount	98	63	77.4	6.6	3.71	2.64	1.98	-1.04	1797	197
Winona	99	63	78.2	3.9	1.53	.58	-.34	-4.18	1840	-15

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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