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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

STRONG STORMS MOVED THROUGH SOUTHERN MINNESOTA

Extreme weather brought rain, hail, high winds, and tomado activity to the southern third of the state, causing some damage to buildings, crops, and livestock this past week, according to USDA, NASS, Minnesota Field Office. Locally heavy rains registered up to 3.5 inches. Producers in the northern part of the state were wrapping up the spring wheat harvest, 27 percentage points ahead of the five-year average.

The average temperature for the week was 67.9°, 1.8° above normal. Statewide topsoil moisture supplies as of Friday were rated 16% very short, 31% short, 52% adequate, and 1% surplus.

As of Sunday August 27th, an estimated 67% of corn acreage reached the dent stage, 37 percentage points ahead of the five-year average. Corn mature was 3%, 2 points ahead of the five-year average. Corn crop condition was rated 58% good or excellent, an increase of 3 percentage points from the previous week. Soybeans were 20% turning yellow compared to 13% for the five-year average. Soybeans dropping leaves were 3%, compared to 1% average.

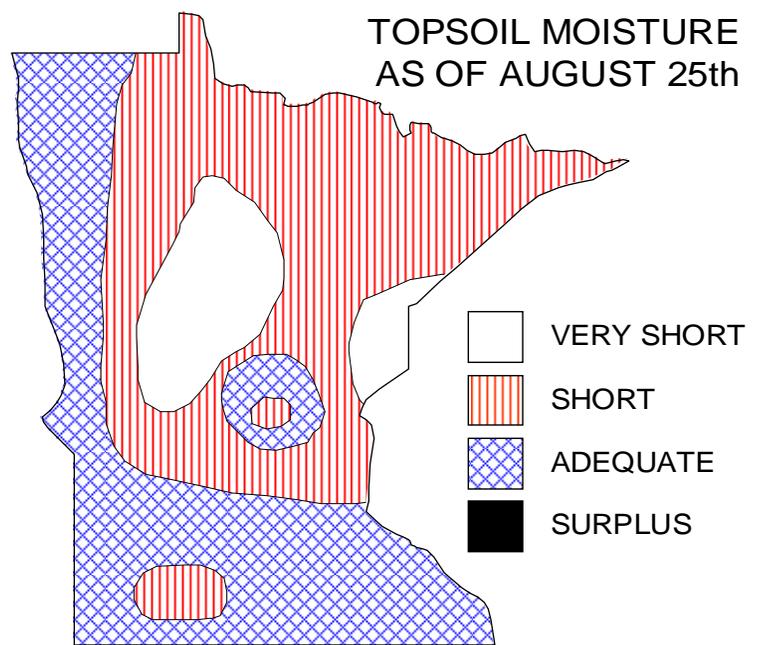
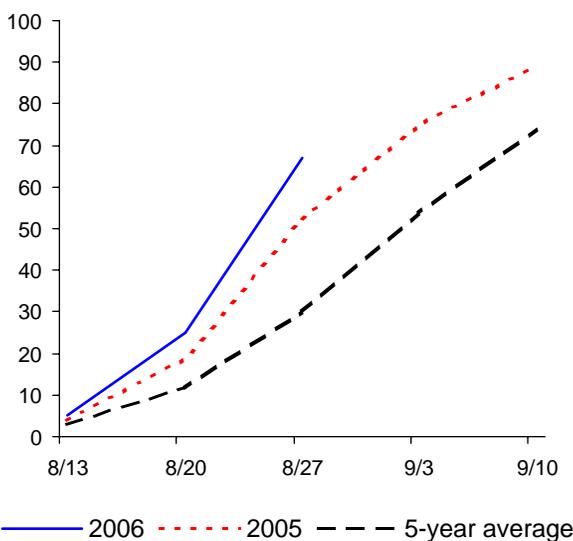
Spring Wheat was 97% harvested, compared to 70% for the five-year average. The sweet corn harvest was 67% complete, 13 percentage points ahead of average. The dry bean harvest was underway with 5% complete. Sunflower crop condition was rated 67% good or excellent, an increase of 3 percentage points from the previous week.

Days Suitable for Fieldwork: 5.6				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	16	31	52	1

Crop Progress as of August 27, 2006					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
					Percent
Corn	Dough	95	75	87	69
	Dent	67	25	52	30
	Mature	3	1	1	1
Field Corn	Cut for Silage	16	1	5	4
Soybeans	Turning Yellow	20	8	14	13
	Dropping Leaves	3	1	1	1
Spring Wheat	Harvested	97	89	73	70
Potatoes	Harvested	32	27	19	20
Canola	Harvested	82	59	73	41
Dry Beans	Harvested	5	NA	0	1
Sweet Corn	Harvested	67	52	56	54

Crop Condition as of August 25, 2006 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	18	23	31	27	1
Corn	8	11	23	44	14
Soybeans	5	11	23	44	17
Sugarbeets	2	8	27	43	20
Dry Beans	4	18	39	35	4
Potatoes	4	9	23	23	41
Sunflowers	1	9	23	56	11

PERCENT OF FIELD CORN IN DENT STAGE
AUGUST 13 - SEPTEMBER 10



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING AUGUST 27, 2006:

Temperatures averaged from 0.8 degree above normal in the Northwest District to 2.9 degrees above normal in the Southwest District. Extremes: 37 degrees in Hibbing and International Falls; 90 degrees in Canby. Precipitation averaged from 0.72 inch below normal in the Northeast District to 1.25 inches above normal in the East Central District. Greatest weekly total was 3.54 inches recorded in Forest Lake.

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 8/21/2006 through 8/27/2006

	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	83	49	67.0	.7	.88	.23	.81	-3.81	2032	151
Moorhead	85	49	68.8	1.6	1.25	.69	-.08	-4.13	2183	215
Warroad	81	46	63.9	.2	.03	-.61	.26	-4.43	1804	158
<u>NC DIST 2</u>										
Grand Rapids	86	48	66.2	3.0	.02	-.77	-.85	-5.20	1951	301
Intl. Falls	83	37	62.0	.0	.01	-.71	-.64	-4.21	1673	124
Itasca	82	46	64.8	2.3	.52	-.30	-2.32	-5.99	1827	280
<u>NE DIST 3</u>										
Duluth	83	49	64.7	2.6	.08	-.90	-2.07	-2.48	1745	306
Grand Marais	83	53	63.2	1.4	.18	-.54	-1.23	-3.84	1348	279
Hibbing	84	37	61.2	-.6	.02	-.72	-1.19	-8.16	1652	151
<u>WC DIST 4</u>										
Alexandria	81	54	68.4	2.3	3.35	2.54	1.75	-3.59	2151	270
Browns Valley	84	50	68.3	.1	1.17	.59	1.97	.42	2120	44
Canby	90	57	70.2	.8	.05	-.56	1.41	-.91	2276	105
Fergus Falls	83	57	69.2	2.6	1.25	.57	1.46	1.83	2104	198
Montevideo	87	53	69.5	1.4	.23	-.46	-.03	.64	2180	113
Morris	82	52	67.8	.4	.43	-.25	-1.68	-6.12	2089	73
<u>CENT DIST 5</u>										
Becker	83	54	68.2	2.8	2.30	1.35	.30	-4.55	2262	400
Collegeville	85	56	69.6	1.1	3.01	2.14	2.16	-1.11	2347	241
Hutchinson	85	56	69.8	2.2	.60	-.27	-.11	-3.46	2286	195
Olivia	86	43	67.5	.7	.10	-.66	.29	-1.97	2154	117
St. Cloud	84	49	67.4	2.0	2.87	1.97	1.40	-2.21	2132	270
Staples	79	47	65.3	1.4	.43	-.26	-.15	-4.23	1929	245
Willmar	84	51	68.4	1.2	.90	.05	-.74	-5.73	2242	211
<u>EC DIST 6</u>										
Aitkin	84	49	67.0	4.0	.76	-.08	-.50	-5.37	1926	332
Forest Lake	86	53	68.3	1.4	3.54	2.53	3.24	1.28	2245	260
MSP Airport	86	58	70.5	1.6	2.02	1.13	3.22	1.06	2499	333
St. Paul - UofM	86	57	70.2	.7	2.37	1.40	4.58	3.57	2442	219
<u>SW DIST 7</u>										
Lamberton	87	52	70.2	2.5	.19	-.55	.97	4.88	2211	95
Pipestone	87	52	70.8	3.2	.16	-.54	2.48	-2.10	2145	112
Redwood Falls	88	56	71.4	2.0	.10	-.69	.99	.51	2280	46
Worthington	89	55	69.6	3.0	0	-.78	1.31	.90	2217	234
<u>SC DIST 8</u>										
Faribault	86	54	69.4	2.2	2.93	1.95	2.87	-2.76	2204	187
Mankato	87	52	70.2	2.0	.06	-.93	-.24	-2.56	2225	120
Waseca	85	54	70.6	3.2	.12	-.90	.77	1.15	2256	202
Winnebago	88	57	71.6	3.6	.63	-.28	2.73	1.60	2292	189
<u>SE DIST 9</u>										
Preston	86	53	69.2	2.5	1.34	.30	.89	1.46	2065	130
Red Wing	85	54	68.6	.3	2.47	1.58	3.02	-2.79	2251	162
Rochester	84	57	70.3	4.0	3.10	2.17	2.16	.55	2189	275
Rosemount	84	54	69.2	2.1	1.57	.55	1.68	-2.00	2208	215
Winona	85	57	71.2	1.0	1.34	.42	1.09	-3.68	2288	-19

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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