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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

CROP CONDITIONS EDGED UPWARD WITH SCATTERED SHOWERS

Minnesota crop conditions edged upward as scattered showers moved through the state during the past week, according to USDA, NASS, Minnesota Field Office. Although statewide topsoil moisture supplies were rated mostly short or very short, some drought areas of central Minnesota received an inch or more of needed rain. Harvest of small grains continued ahead of the five-year average with approximately 90 percent of oats and barley combined. Harvest of potatoes and sweet corn were underway and spraying continued for soybean aphid and spider mites.

The average temperature for the week was 72.0°, 2.6° above normal. Statewide topsoil moisture supplies as of Friday were rated 45 percent very short, 33 short, 21 adequate, and 1 surplus.

As of Sunday Aug 12th, 96 percent of corn acreage was in the milk stage compared to 77 percent for the five-year average. Corn in the dough stage was 58 percent compared to 28 percent average. Ninety-one percent of soybeans were setting pods compared to 84 percent average. Fifty-seven percent of spring wheat and 91 percent of oats were harvested.

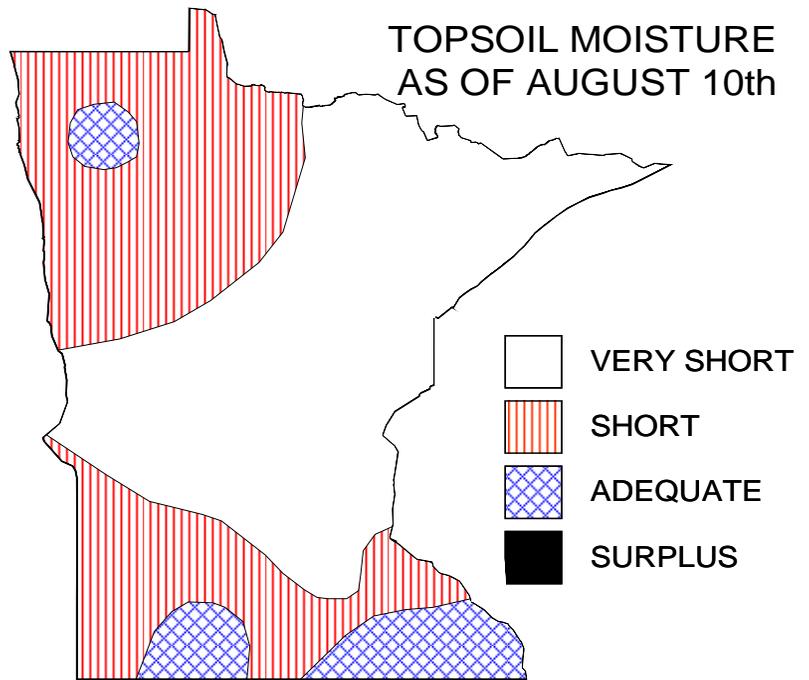
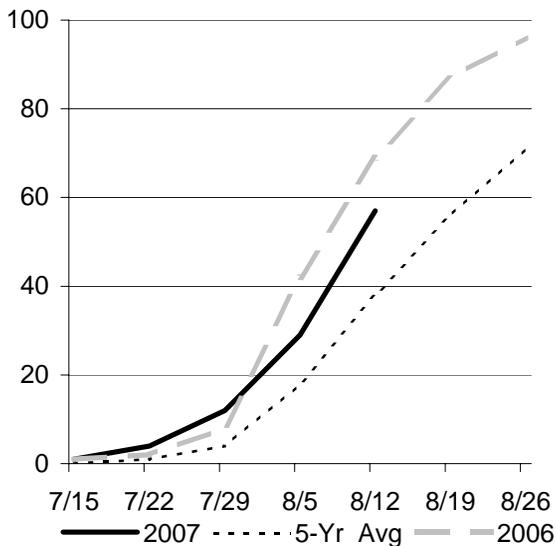
As of Friday, Aug 10th, 33 percent of field corn, 45 percent of soybean, and 71 percent of spring wheat were rated in good or excellent condition. Eighty-nine percent of potatoes, 78 percent of sunflowers, and 69 percent of sugarbeets were rated in good or excellent condition.

Days Suitable for Fieldwork: 6.1				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	45	33	21	1

Crop Progress as of August 12, 2007					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
Corn	Milk	96	71	88	77
	Dough	58	18	45	28
	Dent	18	0	4	3
Soybeans	Setting Pods	91	77	95	84
	Turning Yellow	3	NA	2	1
Spring Wheat	Harvested	57	29	69	38
Oats	Harvested	91	76	92	68
Barley	Harvested	89	60	86	53
Sweet Corn	Harvested	38	29	31	25
Potatoes	Harvested	16	11	18	7
Canola	Harvested	5	3	33	15

Crop Condition as of August 10, 2007 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	42	29	23	6	0
Corn	15	22	30	28	5
Soybeans	9	15	31	37	8
Spring Wheat	2	6	21	52	19
Sugarbeets	3	6	22	46	23
Potatoes	1	1	9	62	27
Dry Beans	3	8	27	52	10
Canola	0	0	29	50	21
Sunflowers	1	4	17	61	17

SPRING WHEAT HARVESTED
JULY 15 - AUGUST 26



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING August 12,2007:
 Temperatures averaged from 0.6 degree above normal in the West Central,
 Northwest Districts to 5.5 degrees above normal in the East Central
 District. Extremes: 42 degrees in Fergus Falls; 98 degrees in Forest
 Lake. Precipitation averaged from 0.76 inch below normal in the Northeast
 District to 0.85 inch above normal in the Southeast District. Greatest
 weekly total was 3.08 inches recorded in Winona.

For a map of Minnesota's
 precipitation, please see
 the Minnesota Climatology
 Group's website;
[http://climate.umn.edu/
 doc/weekmap.asp](http://climate.umn.edu/doc/weekmap.asp).

Precipitation and Temperature Summary for 8/6/2007 through 8/12/2007

	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 3	Depart from Norm
<u>NW DIST 1</u>										
Crookston	89	47	70.3	.5	.42	-.27	-1.12	1.84	1721	112
Moorhead	92	51	71.2	.4	.66	.08	-1.37	3.35	1915	232
Warroad	83	48	68.2	.8	1.00	.32	-1.86	2.55	1586	179
<u>NC DIST 2</u>										
Grand Rapids	93	52	70.4	3.6	.09	-.78	-2.89	-5.58	1707	289
Intl. Falls	88	46	65.3	-.3	.61	-.09	-1.97	-.25	1430	99
Itasca	91	49	67.8	1.7	.21	-.65	-1.43	1.15	1626	303
<u>NE DIST 3</u>										
Duluth	88	51	68.8	3.5	.13	-.80	-2.65	-4.82	1455	230
Grand Marais	83	50	64.8	1.3	0	-.69	-2.68	-3.44	813	-50
Hibbing	87	43	66.2	.9	.03	-.79	-2.19	-7.27	1438	150
<u>WC DIST 4</u>										
Alexandria	95	58	73.5	4.0	.16	-.65	-2.64	-6.14	1894	281
Browns Valley	92	54	71.6	-.2	.90	.22	-.40	5.04	1799	20
Canby	88	56	71.6	-1.0	.04	-.60	-.06	-1.39	2002	142
Fergus Falls	92	42	69.2	-.8	.65	-.09	-1.83	3.16	1856	226
Montevideo	89	55	72.2	.9	1.82	1.08	1.49	-2.54	1944	171
Morris	91	53	71.2	.5	1.35	.55	-1.78	-1.53	1847	117
<u>CENT DIST 5</u>										
Becker	95	59	75.0	6.1	2.14	1.15	-1.25	-5.85	1983	381
Collegeville	96	59	76.2	4.5	2.88	2.02	.18	-4.70	2083	278
Hutchinson	92	58	74.1	3.2	2.10	1.15	.01	-4.44	2010	208
Olivia	91	58	72.4	2.3	.82	.04	-.80	-3.44	1913	154
St. Cloud	96	55	74.2	5.3	1.19	.30	-1.78	-4.74	1903	301
Staples	91	52	70.6	3.5	.29	-.45	-1.83	-1.09	1707	262
Willmar	91	60	73.5	3.1	1.06	.19	-1.23	-4.32	1971	223
<u>EC DIST 6</u>										
Aitkin	92	49	69.3	3.1	.61	-.33	-2.21	-5.95	1655	287
Forest Lake	98	60	76.0	5.9	.98	-.09	-2.83	-6.17	1949	242
MSP Airport	94	67	79.2	6.9	1.73	.78	-.23	-5.23	2189	329
St. Paul - UofM	94	63	78.6	6.0	.70	-.31	-1.64	-8.74	2189	280
<u>SW DIST 7</u>										
Lamberton	95	57	72.0	1.1	.04	-.75	-1.22	-3.51	1964	137
Pipestone	94	58	73.2	2.2	.08	-.62	-.47	-5.23	1922	177
Redwood Falls	93	60	74.6	2.0	.01	-.84	-1.97	-5.37	2005	82
Worthington	92	59	72.4	2.6	.04	-.76	.95	-3.75	1948	239
<u>SC DIST 8</u>										
Faribault	90	61	74.6	4.3	1.18	.15	.80	-5.05	1960	225
Mankato	90	62	74.0	2.6	.03	-1.00	-.47	-8.12	1991	182
Waseca	88	62	73.8	3.5	.96	-.13	-.05	-3.17	1939	170
Winnebago	90	61	73.8	2.8	0	-1.00	-.95	-7.97	1903	77
<u>SE DIST 9</u>										
Preston	87	60	73.4	3.8	.88	-.21	1.76	-.76	1790	130
Red Wing	92	62	74.8	3.3	2.18	1.28	-.17	-4.36	1977	185
Rochester	88	63	74.8	5.5	1.67	.65	.54	-3.74	1947	303
Rosemount	92	62	75.7	5.6	1.68	.61	-1.95	-5.93	1991	278
Winona	86	62	73.4	-.0	3.08	2.13	3.70	1.40	1912	-71

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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