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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

TOPSOIL MOISTURE MOSTLY SHORT OR VERY SHORT

Eighty-four percent of the state's cropland was rated short or very short on topsoil moisture supplies, according to USDA, NASS, Minnesota Field Office. Pasture conditions dropped, with 78 percent rated as poor or very poor. Harvest of oats, wheat, and barley continued ahead of the average pace, pushed by hot and dry weather. Some producers were reported applying insecticide for soybean aphids in the southern portion of the state.

The average temperature for the week was 72.0°, 1.9° above normal. Statewide topsoil moisture supplies as of Friday were rated 53 percent very short, 31 short, 16 adequate, and 0 surplus.

As of Sunday Aug 5th, 71 percent of corn acreage was in the milk stage compared to 45 percent for the five-year average. Corn in the dough stage was 18 percent compared to 7 percent for the average. Seventy-seven percent of soybeans were setting pods compared to 62 percent for the average. Twenty-nine percent of spring wheat acreage was harvested compared to 18 percent average. Seventy-six percent of oats were harvested compared to 47 percent average.

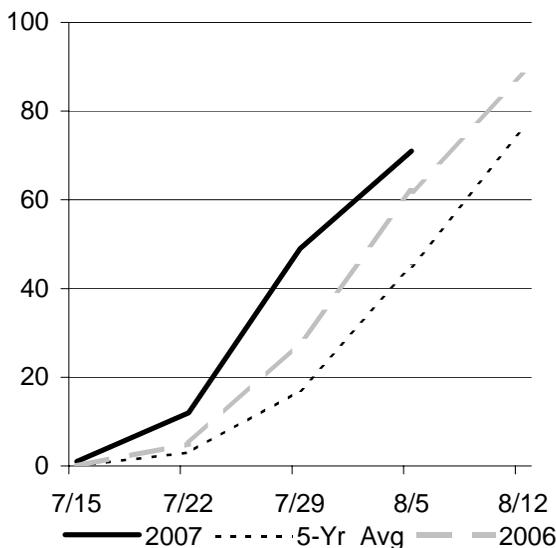
As of Friday, Aug 3rd, 25 percent of field corn and 41 percent of soybeans were rated in Good or Excellent condition. Other crop ratings in good or excellent condition were: spring wheat, 69 percent, potatoes 87 percent, sunflowers 74 percent, sugarbeets 64 percent.

Days Suitable for Fieldwork: 6.6				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	53	31	16	0

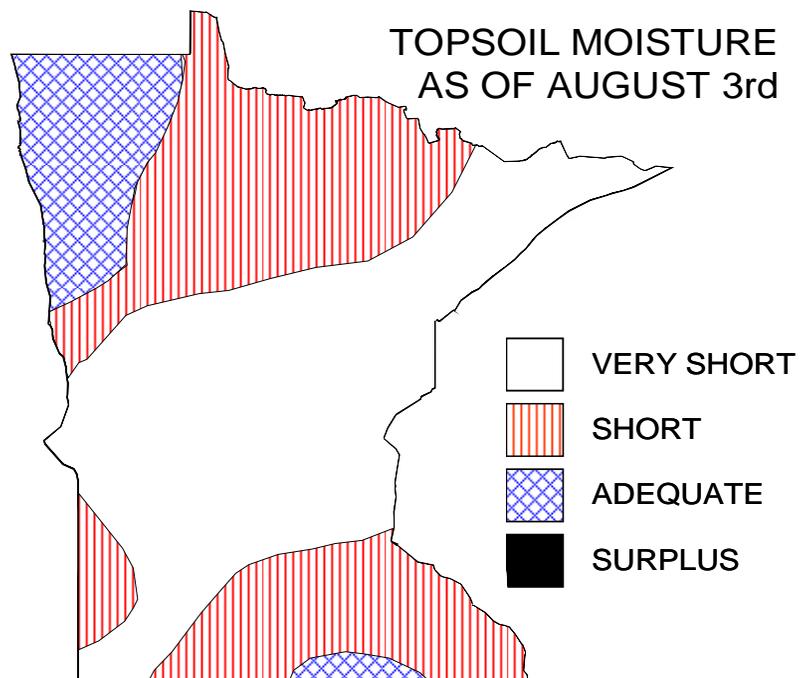
Crop Progress as of August 5, 2007					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
					Percent
Corn	Silking	99	98	99	96
	Milk	71	49	62	45
	Dough	18	5	11	7
Soybeans	Blooming	96	88	99	95
	Setting Pods	77	56	83	62
Spring Wheat	Turning Ripe	99	91	98	87
	Harvested	29	12	42	18
Oats	Turning Ripe	99	96	100	95
	Harvested	76	52	74	47
Barley	Turning Ripe	99	96	100	92
	Harvested	60	35	63	31
Sweet Corn	Harvested	29	22	20	11
Potatoes	Harvested	11	3	9	2
Canola	Harvested	3	0	11	4

Crop Condition as of August 3, 2007 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	45	33	18	4	0
Corn	18	26	31	21	4
Soybeans	9	19	31	32	9
Spring Wheat	2	6	23	44	25
Oats	9	12	35	38	6
Barley	7	6	30	44	13
Sugarbeets	4	7	25	41	23
Potatoes	0	1	12	65	22
Dry Beans	7	11	25	49	8
Canola	0	7	25	43	25
Sunflowers	1	4	21	52	22

**CORN IN MILK STAGE
JULY 15 - AUGUST 12**



**TOPSOIL MOISTURE
AS OF AUGUST 3rd**



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING August 5,2007:
 Temperatures averaged from 0.1 degree below normal in the West Central District to 4.0 degrees above normal in the Northwest District. Extremes: 39 degrees in International Falls; 94 degrees in Hutchinson, St. Cloud, Forest Lake. Precipitation averaged from 0.85 inch below normal in the East Central District to 1.03 inches above normal in the Southwest District. Greatest weekly total was 1.99 inches recorded in Pipestone.

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 7/30/2007 through 8/5/2007

	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	93	50	73.9	3.7	.75	.07	-.41	2.10	1579	107
Moorhead	93	53	73.6	2.2	.23	-.36	-1.04	3.27	1771	232
Warroad	91	48	74.0	6.1	.11	-.61	-.23	2.23	1455	171
<u>NC DIST 2</u>										
Grand Rapids	92	50	72.4	4.8	0	-.92	-2.52	-4.79	1566	268
Intl. Falls	91	39	67.9	1.5	0	-.69	-1.39	-.17	1316	98
Itasca	89	50	70.8	4.1	.06	-.79	.85	1.80	1503	295
<u>NE DIST 3</u>										
Duluth	87	55	71.0	5.0	0	-.92	-2.39	-4.03	1323	208
Grand Marais	81	48	61.8	-1.5	.19	-.51	-2.06	-2.75	707	-56
Hibbing	88	43	66.9	.8	0	-.90	-2.03	-6.48	1318	141
<u>WC DIST 4</u>										
Alexandria	90	54	72.1	1.8	.12	-.64	-2.36	-5.49	1736	259
Browns Valley	92	50	70.4	-2.2	.22	-.50	-1.41	4.82	1653	23
Canby	91	56	73.5	.1	1.54	.88	-.23	-.79	1851	145
Fergus Falls	90	56	72.8	2.2	0	-.74	-2.32	3.25	1721	230
Montevideo	89	55	70.4	-1.6	1.35	.62	-.34	-3.62	1791	164
Morris	90	50	70.5	-.8	.01	-.83	-2.83	-2.07	1702	115
<u>CENT DIST 5</u>										
Becker	92	56	74.8	5.0	.18	-.79	-3.26	-7.00	1819	350
Collegeville	92	57	74.6	2.2	.05	-.77	-2.60	-6.72	1911	255
Hutchinson	94	54	74.2	2.4	.97	.07	-1.94	-5.59	1848	191
Olivia	93	52	72.6	1.6	1.12	.36	-1.56	-3.48	1758	139
St. Cloud	94	49	72.2	2.4	.01	-.80	-2.76	-5.04	1746	277
Staples	88	49	71.2	3.4	0	-.75	-2.04	-.64	1566	243
Willmar	92	56	73.1	1.9	.36	-.46	-2.14	-4.51	1811	204
<u>EC DIST 6</u>										
Aitkin	92	46	70.2	3.3	0	-.98	-2.30	-5.62	1524	272
Forest Lake	94	55	75.6	4.7	.17	-.88	-2.35	-6.08	1784	217
MSP Airport	92	61	75.8	2.6	.15	-.78	-1.86	-6.01	1998	291
St. Paul - UofM	91	56	75.8	2.4	.24	-.75	-1.90	-8.42	2004	250
<u>SW DIST 7</u>										
Lamberton	92	55	72.2	.5	1.12	.33	-1.28	-2.76	1814	132
Pipestone	92	57	73.5	1.8	1.99	1.29	-.60	-4.61	1764	164
Redwood Falls	92	54	72.1	-1.3	1.22	.38	-1.99	-4.54	1839	70
Worthington	89	55	72.4	1.7	1.95	1.17	.91	-2.99	1794	223
<u>SC DIST 8</u>										
Faribault	89	55	72.5	1.3	1.45	.44	-.26	-5.20	1794	201
Mankato	88	56	71.8	-.3	1.03	.05	-.29	-7.13	1826	165
Waseca	87	51	71.0	-.1	1.93	.86	-.07	-3.04	1772	144
Winnebago	89	56	72.4	.6	1.16	.19	-.64	-6.97	1738	57
<u>SE DIST 9</u>										
Preston	86	51	69.4	-.9	1.83	.75	.91	-.55	1625	102
Red Wing	92	54	74.0	1.8	1.11	.19	-2.09	-5.64	1809	165
Rochester	86	57	70.5	.5	.98	-.06	-2.26	-5.50	1773	264
Rosemount	90	57	73.6	2.7	.48	-.59	-2.99	-6.54	1818	245
Winona	86	61	72.5	-1.9	1.82	.87	.66	-.74	1747	-76

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.

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