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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

**HOT DRY WEATHER FURTHER STRESSED LATE SEASON CROPS**

Hot dry weather pushed the small grain harvest and further stressed late season crops according to USDA, NASS, Minnesota Field Office. The small grain harvest advanced quickly as the oat harvest approached fifty percent complete. Nearly two-thirds of the soybean crop was setting pods and one-third of corn was reported in the milk stage. The canola and sweet corn harvests were underway, both 7 to 10 days ahead of average. Pasture condition rating declined for the fifth consecutive week with sixty-five percent rated in poor or very poor condition.

The average temperature for the week was 77.4°, 7.1° above normal. Statewide topsoil moisture supplies as of Friday were rated 48% very short, 37% short, 15% adequate, and 0% surplus.

As of Sunday July 30<sup>th</sup>, an estimated 32% of corn was in the milk stage, compared to 14% for the five-year average. Forty-eight percent of corn was rated in good to excellent condition, a drop of 6 percentage points from the previous week. Soybeans setting pods were estimated at 62%, 30 percentage point ahead of the five-year average. Forty-nine percent of soybeans were rated in good to excellent condition.

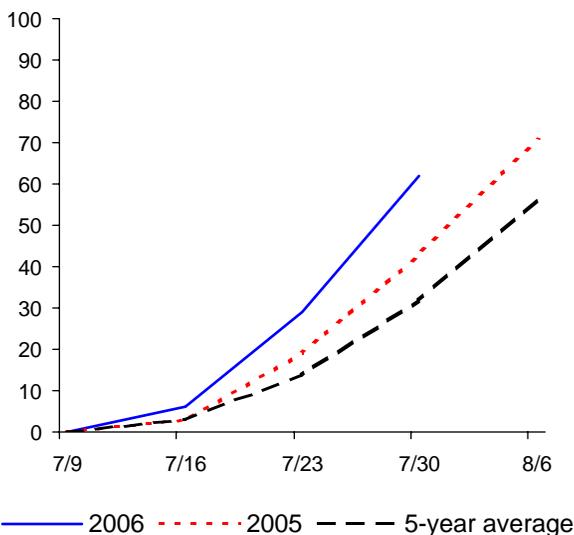
Spring Wheat was 9% harvested; 6 percentage points ahead of the five year average. Spring wheat condition dropped 2 percentage points with 44 percent in good to excellent condition.

Days Suitable for Fieldwork: 6.6				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	48	37	15	0

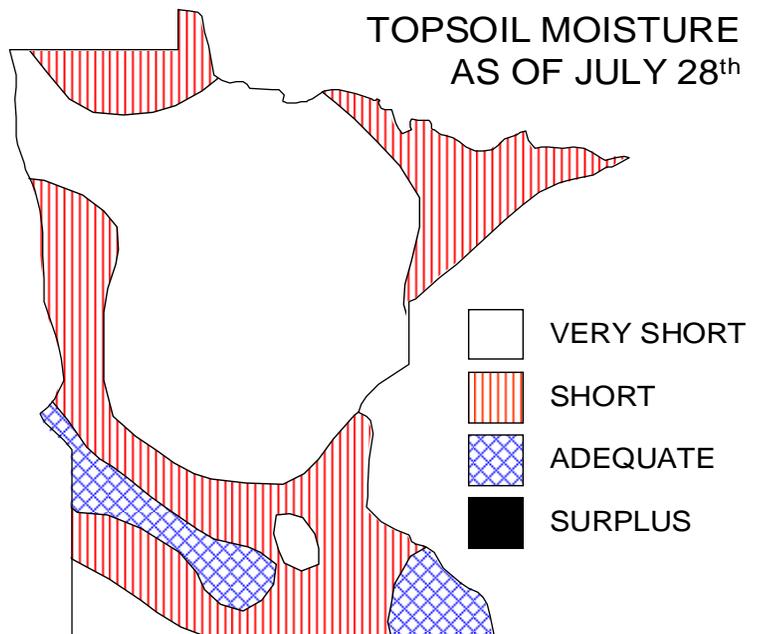
Crop Progress as of July 30, 2006					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		Percent			
Corn	Silking	98	85	96	85
	Milk	32	6	23	14
	Dough	2	0	0	0
Soybeans	Blooming	96	88	92	87
	Setting Pods	62	29	43	32
Oats	Harvested	49	15	30	22
Barley	Harvested	33	6	10	7
Spring Wheat	Turning Ripe	96	80	78	67
	Harvested	9	2	4	3
Sweet Corn	Harvested	11	3	0	2
Canola	Harvested	6	0	0	0

Crop Condition as of July 28, 2006 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	35	30	26	9	0
Corn	9	15	28	39	9
Soybeans	7	14	30	39	10
Alfalfa	21	26	27	23	3
Spring Wheat	7	14	35	40	4
Oats	15	16	34	33	2
Barley	8	11	42	37	2
Sugarbeets	3	12	34	39	12
Dry Beans	12	18	40	22	8
Potatoes	3	4	33	40	20
Sunflowers	3	6	32	51	8
Canola	1	14	45	40	0

**PERCENT OF SOYBEANS SETTING PODS  
JULY 9 - AUGUST 6**



**TOPSOIL MOISTURE  
AS OF JULY 28<sup>th</sup>**



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING JULY 30, 2006:

Temperatures averaged from 5.1 degrees above normal in the Northwest District to 9.8 degrees above normal in the East Central District. Extremes: 50 degrees in Hibbing; 102 degrees in Moorhead. Precipitation averaged from 0.78 inch below normal in the South Central District to 0.35 inch above normal in the Northwest District. Greatest weekly total was 2.2 inches recorded in Moorhead.

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 7/24/2006 through 7/30/2006

	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	92	59	74.6	4.4	.80	.13	-1.80	-4.62	1483	126
Moorhead	102	61	77.7	6.3	2.23	1.64	-.35	-4.05	1608	188
Warroad	92	58	72.4	4.4	.03	-.73	-2.98	-4.70	1338	158
<u>NC DIST 2</u>										
Grand Rapids	94	58	75.9	8.0	1.49	.52	-1.99	-4.36	1444	247
Intl. Falls	88	53	70.8	4.2	.01	-.69	-1.74	-3.57	1254	132
Itasca	92	55	75.1	8.3	.96	.11	-1.19	-3.67	1332	222
<u>NE DIST 3</u>										
Duluth	97	61	74.7	8.4	2.00	1.08	-.70	-.42	1265	244
Grand Marais	89	60	69.4	6.8	.44	-.29	-.97	-2.61	893	212
Hibbing	94	50	72.4	6.0	.95	-.03	-2.87	-6.98	1214	131
<u>WC DIST 4</u>										
Alexandria	100	61	79.8	9.2	.37	-.34	-1.98	-5.34	1559	197
Browns Valley	101	60	79.2	6.3	0	-.74	-2.10	-1.55	1520	14
Canby	101	64	80.4	6.8	.09	-.59	-1.43	-2.32	1655	78
Fergus Falls	99	61	79.1	8.4	.47	-.26	-1.90	.37	1530	154
Montevideo	95	62	77.6	5.3	.66	-.06	1.52	.66	1591	86
Morris	93	62	77.2	5.7	0	-.85	-2.84	-4.44	1531	63
<u>CENT DIST 5</u>										
Becker	97	63	79.9	9.7	.48	-.46	-2.69	-4.85	1656	299
Collegeville	99	62	81.1	8.4	.07	-.71	-2.21	-3.28	1728	196
Hutchinson	98	62	80.2	7.9	.22	-.63	-1.92	-3.34	1688	152
Olivia	96	61	78.6	7.2	.12	-.63	-2.02	-2.25	1608	106
St. Cloud	99	58	79.8	9.6	.12	-.61	-1.93	-3.61	1573	216
Staples	97	58	75.2	7.2	1.36	.60	-1.19	-4.08	1417	195
Willmar	95	58	77.7	6.2	.02	-.76	-1.63	-4.98	1647	159
<u>EC DIST 6</u>										
Aitkin	100	60	78.6	11.4	.65	-.36	-2.97	-4.87	1403	249
Forest Lake	99	63	80.2	9.0	1.03	.00	-2.41	-1.96	1654	203
MSP Airport	99	69	83.8	10.2	.30	-.60	-2.43	-2.16	1844	264
St. Paul - UofM	98	66	82.1	8.4	.80	-.17	-1.63	-1.01	1799	173
<u>SW DIST 7</u>										
Lamberton	96	61	78.1	6.0	.11	-.68	-1.49	3.90	1613	51
Pipestone	98	60	79.8	7.8	.16	-.54	-2.75	-4.58	1553	73
Redwood Falls	99	64	79.6	5.9	.21	-.62	-1.86	-.48	1671	29
Worthington	97	61	78.9	7.8	.15	-.60	-2.89	-.41	1627	172
<u>SC DIST 8</u>										
Faribault	95	58	78.8	7.2	.17	-.82	-1.82	-5.63	1611	137
Mankato	94	61	77.7	5.3	.40	-.53	-1.83	-2.32	1622	83
Waseca	91	62	77.5	6.1	.07	-.97	-.36	.38	1653	143
Winnebago	93	61	77.8	5.7	.13	-.80	-1.41	-1.13	1684	141
<u>SE DIST 9</u>										
Preston	93	61	77.4	6.8	.03	-1.03	-1.61	.57	1490	82
Red Wing	96	61	79.7	7.2	.44	-.50	-2.16	-5.82	1647	127
Rochester	91	65	77.9	7.6	.02	-1.03	-1.16	-1.61	1611	215
Rosemount	95	62	78.8	7.6	.08	-.98	-1.70	-3.68	1614	158
Winona	94	61	79.2	4.3	.76	-.19	-1.77	-4.76	1651	-39

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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