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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

MINNESOTA DRIER DESPITE SPOTTY SHOWERS MIDWEEK

Topsoil moisture ratings declined further despite spotty precipitation across the state, according to USDA, NASS, Minnesota Field Office. Corn and soybean conditions declined slightly as moisture supplies in the central and southern portions of the state were reported short or very short. Crop conditions for sunflowers, canola, dry beans, and barley improved as soil moisture remained mostly adequate in the northwest. Crops developed rapidly during the week pushed by warm temperatures.

The average temperature for the week was 72.6°, 3.6° above normal. Statewide topsoil moisture supplies as of Friday were rated 24 percent very short, 34 short, 39 adequate, and 5 surplus.

As of Sunday July 8th, the state average corn height was 68 inches, compared to 46 inches for the five-year average. Soybean height was 18 inches, compared to 13 inches average. Seventeen percent of spring wheat acreage was ripening, compared to 8 percent average.

As of Friday, July 6th, sixty-seven percent of field corn and 65 percent of soybeans were rated in Good or Excellent condition. Sixty-eight percent of spring wheat was rated in Good or Excellent condition.

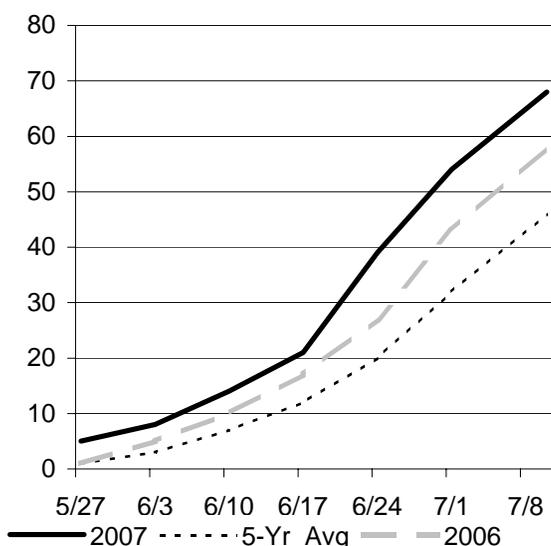
Green peas were rated at 67 percent Good or Excellent while pasture conditions declined to 38 percent Good or Excellent. Sunflower conditions improved to 78 percent Good or Excellent.

Days Suitable for Fieldwork: 6.5				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	24	34	39	3

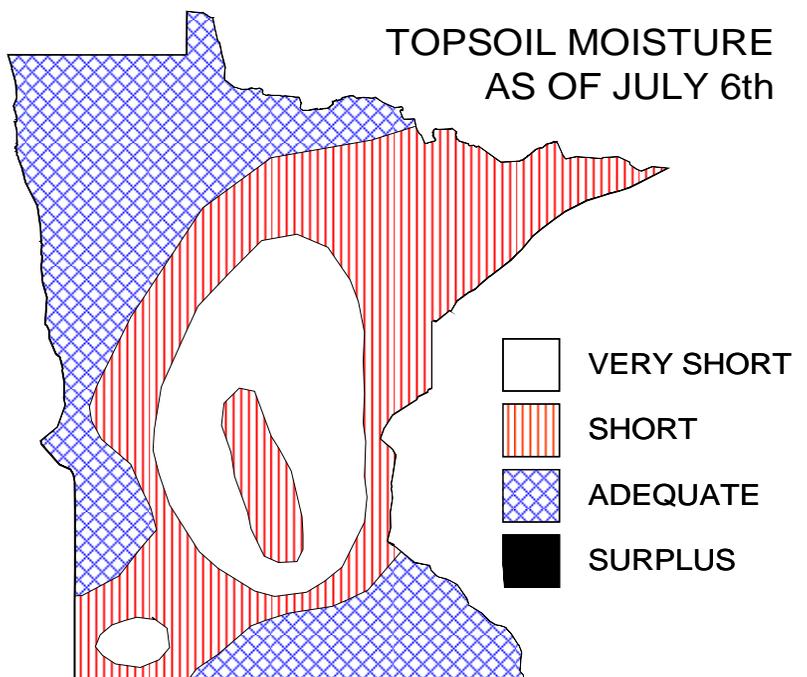
Crop Progress as of July 8, 2007					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height	68	54	58	46
	Silking	28	2	4	2
Soybeans	Height	18	13	15	13
	Blooming	45	11	36	24
	Setting Pods	3	0	0	0
Spring Wheat	Headed	96	89	93	78
	Turning Ripe	17	4	20	8
Oats	Headed	97	92	96	86
	Turning Ripe	40	14	37	17
	Harvested	0	0	3	1
Barley	Headed	97	87	93	77
	Turning Ripe	24	8	24	10
	Harvested	0	NA	2	0

Crop Condition as of July 6, 2007 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	9	17	36	32	6
Alfalfa	9	16	28	40	7
Corn	6	7	20	48	19
Soybeans	2	7	26	52	13
Spring Wheat	2	6	24	45	23
Oats	6	8	25	50	11
Barley	5	5	20	50	20
Sugarbeets	1	5	29	43	22
Potatoes	0	1	14	59	26
Green Peas	0	13	20	62	5
Dry Beans	2	6	32	50	10
Canola	0	2	15	35	48
Sunflowers	1	3	18	49	29

**CORN HEIGHT (INCHES)
MAY 27 - JULY 10**



**TOPSOIL MOISTURE
AS OF JULY 6th**



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 8,2007:
 Temperatures averaged from 1.4 degrees above normal in the Northeast District to 5.3 degrees above normal in the Northwest District. Extremes: 45 degrees in Grand Marais, 101 degrees in Canby, Browns Valley. Precipitation averaged from 0.93 inch below normal in the South Central District to 0.12 inch below normal in the Southeast District. Greatest weekly total was 1.68 inches recorded in Minneapolis.

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 7/2/2007 through 7/8/2007

	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	54	72.6	4.0	.30	-.45	.39	2.51	1010	93
Moorhead	99	58	76.8	7.2	0	-.72	.50	4.31	1154	197
Warroad	90	57	71.1	4.7	1.47	.58	.49	2.46	904	122
<u>NC DIST 2</u>										
Grand Rapids	94	53	71.2	4.6	.06	-1.05	-2.84	-2.28	1018	221
Intl. Falls	91	50	67.6	2.3	.03	-.81	-1.34	1.22	864	116
Itasca	95	53	71.6	6.4	.03	-.91	-2.36	.95	983	247
<u>NE DIST 3</u>										
Duluth	88	49	68.5	4.2	.54	-.45	-1.18	-1.64	817	161
Grand Marais	89	45	57.5	-.8	.36	-.44	-1.40	-.69	349	-53
Hibbing	90	46	65.8	.8	.09	-1.03	-3.09	-4.44	857	144
<u>WC DIST 4</u>										
Alexandria	97	59	73.8	4.6	.29	-.54	-3.04	-3.12	1114	205
Browns Valley	101	56	74.8	3.5	.39	-.42	-.38	6.24	1077	65
Canby	101	59	76.4	4.0	0	-.85	-2.52	-.56	1204	135
Fergus Falls	96	60	73.9	4.8	.30	-.50	-1.73	5.57	1106	182
Montevideo	97	56	74.4	3.2	.04	-.81	-2.40	-3.28	1207	186
Morris	95	57	73.3	2.9	.30	-.63	-2.59	.75	1118	122
<u>CENT DIST 5</u>										
Becker	95	59	74.2	5.2	1.58	.59	-2.03	-3.74	1175	266
Collegeville	M	M	M	M	M	M	-3.22m	-4.76m	1080m	42m
Hutchinson	98	57	75.2	3.6	0	-.91	-2.43	-3.65	1229	184
Olivia	97	57	73.6	2.7	.37	-.53	-1.18	-1.93	1150	121
St. Cloud	94	56	72.6	3.6	1.43	.60	-2.16	-2.28	1146	237
Staples	94	55	72.0	5.3	.26	-.64	-2.76	1.39	1009	190
Willmar	97	61	74.0	3.3	.17	-.80	-3.17	-2.37	1171	159
<u>EC DIST 6</u>										
Aitkin	91	48	69.6	3.7	.62	-.46	-3.21	-3.32	988	221
Forest Lake	97	59	74.1	3.9	.58	-.47	-2.62	-3.73	1164	180
MSP Airport	98	65	78.1	5.7	1.68	.73	-.82	-4.15	1308	236
St. Paul - UofM	96	62	76.8	4.0	.41	-.64	-3.31	-6.52	1338	227
<u>SW DIST 7</u>										
Lamberton	96	55	74.8	3.0	0	-.85	-1.79	-1.48	1198	123
Pipestone	97	54	74.6	3.7	.01	-.80	-3.11	-4.01	1139	139
Redwood Falls	99	58	75.5	2.5	0	-.90	-2.80	-2.54	1208	77
Worthington	96	57	75.5	4.9	0	-.90	-3.57	-3.89	1188	202
<u>SC DIST 8</u>										
Faribault	95	59	75.2	4.3	.10	-.86	-2.42	-4.93	1180	181
Mankato	96	60	75.2	3.7	0	-1.10	-2.94	-6.84	1210	162
Waseca	93	58	74.0	3.1	.19	-.80	-1.33	-2.97	1181	146
Winnebago	88	53	71.0	-.9	0	-.97	-3.30	-6.33	1128	59
<u>SE DIST 9</u>										
Preston	90	55	72.2	2.3	.42	-.65	-1.10	-1.46	1083	134
Red Wing	95	60	74.0	2.6	.31	-.66	-2.15	-3.54	1199	171
Rochester	93	61	75.2	5.6	.12	-.90	-.82	-3.25	1183	239
Rosemount	92	61	74.9	4.4	1.53	.47	-1.58	-3.55	1187	200
Winona	92	60	73.0	-1.1	1.07	.13	-1.76	-1.39	1147	-5

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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