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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 SMALL GRAINS MATURED RAPIDLY

Small grains matured rapidly, pushed by another week of above normal temperatures, according to USDA, NASS, Minnesota Field Office. Nearly half of Minnesota's wheat, oats, and barley reached the heading stage, with a small percentage turning ripe. Although nearly all the areas of the state received some rain during the week, conditions of most crops fell slightly from a week ago.

The average temperature for the week was 69.3°, 2.6° above normal. Statewide topsoil moisture supplies as of Friday were rated 4 percent very short, 20 short, 63 adequate, and 13 surplus.

As of Sunday June 24th, alfalfa first cutting was estimated at 90 percent complete, compared to the five-year average of 80 percent. State average corn height was 39 inches, compared to 20 inches average. Soybean height was 10 inches, compared to 6 inches average.

Spring wheat acreage was 93 percent jointed, with 46 percent headed, compared to the average of 72 percent jointed and 31 percent headed. Seventy-three percent of spring wheat was rated in Good or Excellent condition, a slight decline from a week ago.

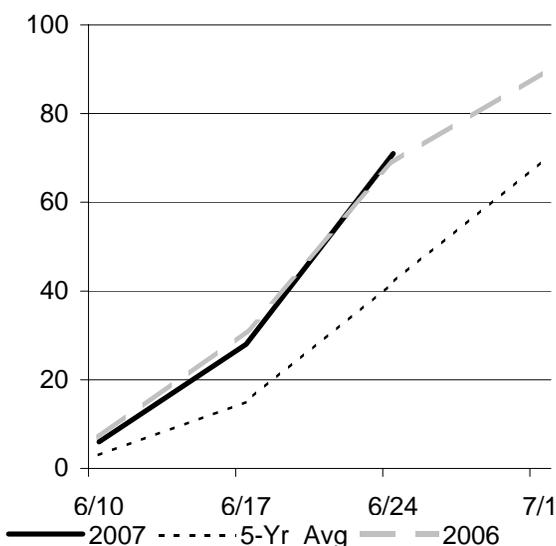
Eighty-three percent of field corn and 77 percent of soybeans were rated in Good or Excellent condition. Green peas were rated at 81 percent Good or Excellent while pasture conditions declined to 60 percent Good or Excellent.

Days Suitable for Fieldwork: 4.9				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	4	20	63	13

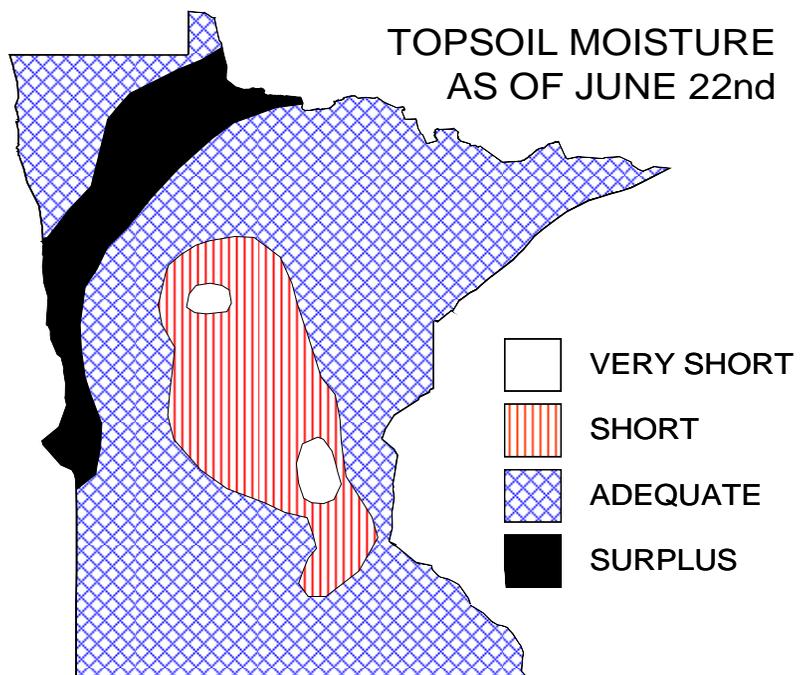
Crop Progress as of June 24, 2007					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		Percent			
Corn	Height	39	24	27	20
Soybeans	Height	10	7	8	6
Spring Wheat	Blooming	1	NA	3	1
	Jointed	93	68	87	72
	Headed	46	14	61	31
Oats	Turning Ripe	2	NA	0	0
	Jointed	94	78	93	85
	Headed	71	28	69	42
Barley	Turning Ripe	2	NA	0	0
	Jointed	88	59	79	71
	Headed	59	18	56	31
Alfalfa	Turning Ripe	1	NA	0	0
	1st Cutting	90	81	97	80

Crop Condition as of June 22, 2007 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	1	10	29	46	14
Alfalfa	2	8	22	54	14
Corn	1	2	14	56	27
Soybeans	1	3	19	60	17
Sugarbeets	1	5	29	43	22
Spring Wheat	3	7	17	50	23
Oats	1	4	21	58	16
Barley	1	4	23	53	19
Potatoes	0	1	11	50	38
Green Peas	0	5	14	66	15
Dry Beans	0	5	26	54	15
Canola	0	7	23	40	30
Sunflowers	0	7	25	52	16

**OATS HEADING
JUNE 10 - JULY 1**



**TOPSOIL MOISTURE
AS OF JUNE 22nd**



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING June 24, 2007:
 Temperatures averaged from 0.4 degree above normal in the Southeast District to 3.6 degrees above normal in the North Central District. Extremes: 41 degrees in International Falls; 92 degrees in Moorhead, Minneapolis. Precipitation averaged from 0.82 inch below normal in the North Central District to 0.36 inch above normal in the Southeast District. Greatest weekly total was 2.32 inches recorded in Rochester.

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 6/18/2007 through 6/24/2007

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Since 4/1	Since May 3	Depart from Norm
<u>NW DIST 1</u>										
Crookston	88	50	69.5	3.0	.95	.10	1.72	3.52	731	71
Moorhead	92	54	72.2	5.0	.16	-.67	2.86	5.82	829	140
Warroad	88	51	66.4	2.1	1.46	.53	1.43	2.41	643	91
<u>NC DIST 2</u>										
Grand Rapids	88	47	68.8	4.6	.11	-1.02	-.26	-.10	759	193
Intl. Falls	84	41	63.7	.8	.39	-.58	1.21	2.55	649	116
Itasca	87	47	68.4	5.4	.19	-.86	.78	2.85	714	193
<u>NE DIST 3</u>										
Duluth	84	47	64.2	3.0	.93	-.11	-.54	-.38	597	141
Grand Marais	81	42	53.9	-.6	.79	-.03	.64	.48	247	-21
Hibbing	84	42	63.8	1.5	.21	-.87	-.91	-2.32	652	149
<u>WC DIST 4</u>										
Alexandria	85	54	70.1	3.7	.29	-.76	-.55	-1.63	822	174
Browns Valley	89	54	71.4	3.0	.17	-.64	4.10	7.47	784	58
Canby	90	54	72.8	2.9	.18	-.81	-.07	1.23	890	121
Fergus Falls	88	52	71.5	4.9	0	-.90	1.63	6.93	799	137
Montevideo	88	53	72.2	3.2	.65	-.36	.29	-1.52	908	174
Morris	88	53	71.0	2.8	.36	-.61	1.81	2.34	829	110
<u>CENT DIST 5</u>										
Becker	89	54	71.1	4.7	.17	-.91	-1.30	-3.29	872	222
Collegeville	88	54	70.8	2.1	.67	-.44	-1.35	-2.84	927	176
Hutchinson	91	54	72.2	3.0	1.07	-.00	-.99	-1.73	924	170
Olivia	88	53	71.0	2.0	.80	-.28	-.27	-.39	860	116
St. Cloud	89	52	69.9	3.5	.31	-.78	-.57	-1.90	863	213
Staples	86	49	68.3	4.0	.09	-.93	.51	3.01	733	146
Willmar	90	54	72.1	3.5	.77	-.48	-1.66	-.43	870	141
<u>EC DIST 6</u>										
Aitkin	88	53	69.4	5.8	.14	-.92	-1.89	-1.79	737	192
Forest Lake	90	56	70.8	2.9	.80	-.31	-1.48	-2.17	870	161
MSP Airport	92	59	72.7	2.9	1.22	.18	-1.47	-4.15	964	192
St. Paul - UofM	90	58	72.4	1.9	.63	-.56	-2.65	-4.74	1001	196
<u>SW DIST 7</u>										
Lamberton	88	55	72.8	2.7	.59	-.33	.25	.26	899	120
Pipestone	90	52	71.4	2.9	.17	-.76	-1.45	-2.33	841	123
Redwood Falls	89	56	71.5	.6	.37	-.62	-.09	-.69	909	86
Worthington	90	54	72.4	4.0	.33	-.77	-1.35	-1.98	882	176
<u>SC DIST 8</u>										
Faribault	90	56	70.9	2.1	1.11	.12	-1.43	-3.09	871	156
Mankato	89	57	71.9	2.4	.57	-.79	-2.06	-4.48	905	149
Waseca	88	55	70.4	1.3	1.43	.44	.74	-1.18	880	131
Winnebago	91	55	72.2	2.2	.44	-.64	-2.29	-4.33	860	87
<u>SE DIST 9</u>										
Preston	87	49	68.2	.3	1.88	.78	1.50	.24	809	133
Red Wing	91	56	70.3	1.3	1.17	.21	-.03	-1.94	894	155
Rochester	88	55	68.4	.9	2.32	1.36	1.38	-1.40	868	192
Rosemount	89	57	70.8	2.4	.89	-.20	-1.62	-2.93	875	168
Winona	88	55	69.4	-2.1	.66	-.26	-.51	-.59	840	8

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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