



Released: July 3, 2006

Issue No: CW-26-06

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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

**SMALL GRAINS BEGAN RIPENING**

Small grains were beginning to ripen as development pushed 7 to 10 days ahead of the five-year average pace, according to USDA-NASS, Minnesota Field Office. Corn and soybean development also advanced rapidly and continued ahead of average. Overall, crop conditions declined slightly this past week as topsoil moisture supplies continued to slip due to spotty precipitation. Producers in some areas were spraying for soybean aphids.

The average temperature for the week was 68.0°, 0.1° below normal. Statewide topsoil moisture supplies as of Friday were rated 8% very short, 29% short, 62% adequate, and 1% surplus.

Corn grew an estimated 17 inches to an average of 45 inches tall as of Sunday, July 2<sup>nd</sup>. This was 16 inches taller than the five-year average height. Soybean height was estimated at 12 inches, 3 inches taller than the five-year average height. Soybeans were 20% blooming compared to 4% for the five-year average. Eighty-one percent of corn and 75% of soybeans were rated in good to excellent condition.

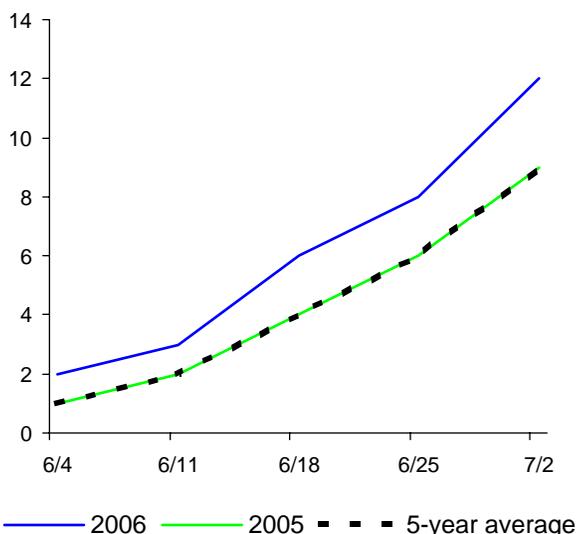
Spring Wheat was 84% heading compared to 49% for the five-year average. Spring Wheat turning ripe was estimated at 4% compared to 1% for the five-year average. Sixty-four percent of Spring Wheat was rated in good to excellent condition.

Days Suitable for Fieldwork: 6.1				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	8	29	62	1

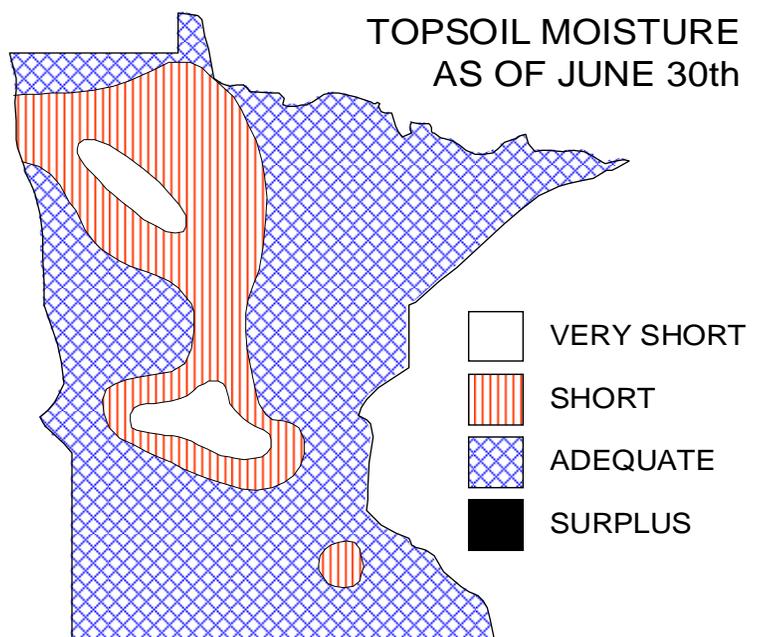
Crop Progress as of July 2, 2006					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		Percent			
Corn	Height - Inches	45	28	35	29
	Silking	1	NA	0	0
Soybeans	Height - Inches	12	8	9	9
	Blooming	20	3	1	4
Oats	Heading	91	75	66	65
	Turning Ripe	5	NA	0	2
Barley	Jointed	99	82	89	85
	Heading	84	62	50	49
Spring Wheat	Turning Ripe	4	NA	0	1
	Jointed	99	90	86	85
	Heading	84	67	46	49
	Turning Ripe	4	NA	0	1

Crop Condition as of June 30, 2006 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	3	10	30	48	9
Corn	1	4	14	53	28
Alfalfa	2	8	24	52	14
Spring Wheat	1	8	27	52	12
Barley	1	8	27	58	6
Oats	2	9	29	46	14
Soybeans	2	4	19	52	23
Sugarbeets	1	4	18	49	28
Dry Beans	1	5	35	47	12
Potatoes	1	4	22	58	15
Sunflower	1	4	16	65	14
Canola	0	10	41	43	6

**SOYBEAN HEIGHT IN INCHES  
JUNE 4 - JULY 2**



**TOPSOIL MOISTURE  
AS OF JUNE 30th**



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING JULY 2, 2006:

Temperatures averaged from 1.8 degrees below normal in the South Central District to 1.7 degrees above normal in the Northeast District. Extremes: 38 degrees in Hibbing; 95 degrees in Canby. Precipitation averaged from 1.03 inch below normal in the South Central District to 0.21 inch below normal in the North Central District. Greatest weekly total was 1.25 inches recorded in International Falls.

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 6/26/2006 through 7/2/2006

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	From Norm 4/1	Since May 2	Depart from Norm
<u>NW DIST 1</u>										
Crookston	91	47	68.4	.6	.12	-.68	-2.14	-2.82	873	63
Moorhead	92	50	69.4	.7	0	-.78	-2.33	-3.70	944	99
Warroad	86	50	67.3	1.6	1.01	.09	-.76	-1.72	758	73
<u>NC DIST 2</u>										
Grand Rapids	84	47	67.2	1.5	.89	-.24	-.98	-1.96	826	126
Intl. Falls	84	40	63.4	-.9	1.25	.34	-.91	-1.83	716	59
Itasca	90	46	66.6	2.2	.29	-.71	-2.66	-2.48	746	100
<u>NE DIST 3</u>										
Duluth	83	51	65.5	2.5	.18	-.84	-.60	.28	664	94
Grand Marais	85	49	63.0	6.4	.13	-.69	-1.61	-1.64	406	64
Hibbing	84	38	60.2	-3.7	.98	-.14	-2.00	-4.11	689	65
<u>WC DIST 4</u>										
Alexandria	92	52	69.0	.9	.44	-.50	-1.78	-3.36	881	82
Browns Valley	94	48	67.7	-2.5	.10	-.72	-1.30	.56	861	-32
Canby	95	54	71.3	-.2	0	-.92	-1.98	-.89	974	30
Fergus Falls	91	53	69.7	1.6	.21	-.65	.03	2.27	886	71
Montevideo	93	50	67.5	-2.9	.31	-.63	-.22	-.86	949	47
Morris	90	54	69.3	-.3	.20	-.76	-1.94	-1.60	900	19
<u>CENT DIST 5</u>										
Becker	91	53	70.3	2.3	.07	-.97	-2.31	-2.16	967	166
Collegeville	91	54	71.8	1.5	.08	-.93	-.87	-1.06	1022	103
Hutchinson	89	53	71.0	.3	0	-1.00	-1.97	-1.42	996	71
Olivia	90	53	69.3	-1.0	0	-.99	-.27	-.23	963	52
St. Cloud	90	50	68.5	.5	.09	-.87	-1.59	-1.68	930	129
Staples	89	48	68.1	2.4	.07	-.90	-1.48	-2.85	814	92
Willmar	90	53	70.2	.2	0	-1.11	-2.82	-3.35	978	83
<u>EC DIST 6</u>										
Aitkin	84	48	64.4	-.6	.44	-.64	-2.10	-1.90	777	104
Forest Lake	91	52	70.4	1.1	.01	-1.08	.50	.44	981	111
MSP Airport	91	56	71.9	.5	0	-1.00	-1.34	.27	1080	132
St. Paul - UofM	89	54	71.5	-.4	.22	-.91	-.32	.62	1064	78
<u>SW DIST 7</u>										
Lamberton	92	54	69.8	-1.4	.18	-.71	5.68	5.39	972	18
Pipestone	91	47	68.4	-1.6	.05	-.82	-1.26	-1.83	903	20
Redwood Falls	92	54	69.6	-2.7	.07	-.88	2.42	1.38	1002	-3
Worthington	87	51	69.6	-.2	.68	-.32	-.62	2.48	972	102
<u>SC DIST 8</u>										
Faribault	89	51	67.8	-2.4	0	-.98	-2.11	-3.81	943	62
Mankato	89	53	68.2	-2.6	.06	-1.18	1.13	-.50	967	39
Waseca	89	50	69.0	-1.3	.05	-.94	1.12	.74	990	73
Winnebago	89	53	69.9	-1.0	0	-1.02	-1.32	.27	1017	80
<u>SE DIST 9</u>										
Preston	91	48	66.7	-2.5	.93	-.16	-.62	2.18	858	23
Red Wing	88	54	69.0	-1.5	.09	-.88	-2.60	-3.66	973	65
Rochester	88	52	68.6	-.2	0	-1.00	-.68	-.45	950	118
Rosemount	88	53	69.3	-.5	.62	-.46	-1.61	-1.98	944	73
Winona	90	56	70.0	-3.2	.75	-.18	-.92	-3.00	958	-62

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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Minnesota Crop-Weather Report  
Publication No. 387190  
Address Service Requested