



Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN
UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

SMALL GRAINS TURNING RIPE

Wheat and barley development continued to advance; however, both crops remain behind last year and average, according to the USDA, NASS Minnesota Field Office. As of Sunday, 24 percent of spring wheat was turning ripe, a 10 percent increase over last week, while barley advanced 9 percent to 26 percent turning ripe. Sixty-one percent of oats was turning ripe and 5 percent was harvested. Winter wheat harvest began in portions of the state last week.

The week's weather was active producing showers and thunderstorms throughout the state. Hail and heavy rains were associated with stronger storms. However, precipitation amounts were quite variable and topsoil moisture supplies declined. Statewide, topsoil moisture was rated 57 percent adequate to surplus down from 61 percent last week.

Forty-five percent of corn was at or beyond the silking stage, 15 percent ahead of last year, but 27 percent behind the 5-year average. Seventy-five percent of the crop was rated in good to excellent condition, a 3 percent decline from last week. Sixty-three percent of soybeans were blooming with 12 percent setting pods. Sixty-nine percent of soybeans were rated good to excellent, down slightly from 71 percent a week ago.

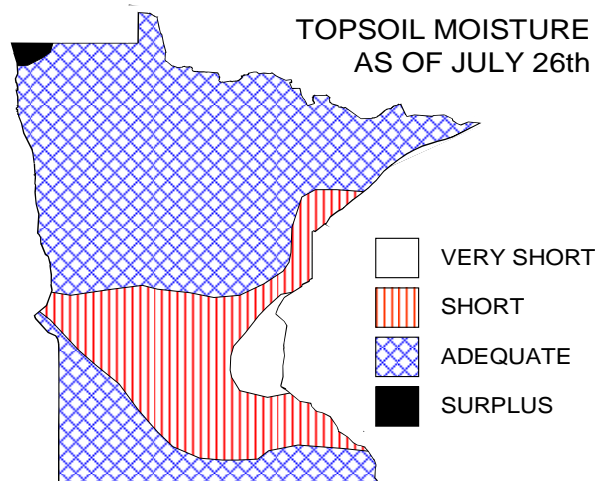
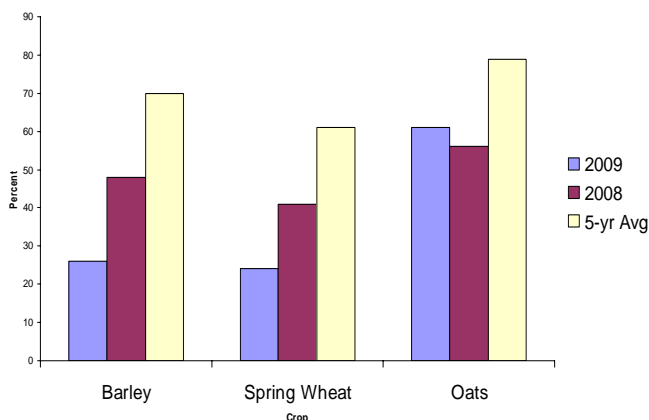
Other field crop conditions ranged from fair to excellent. Sixty-eight percent of sugarbeets and 67 percent of dry beans were rated good to excellent. Sunflowers and canola were rated 80 and 95 percent fair to good respectively. Green pea harvest was nearly complete in some locations while sweet corn harvest was just beginning at 1 percent harvested.

Days Suitable for Fieldwork: 5.6				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	10	33	56	1

Crop Progress as of July 26, 2009					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Silking	45	11	30	72
	Milk	2	NA	0	13
Soybeans	Blooming	63	39	68	81
	Setting Pods	12	4	9	28
Spring Wheat	Heading	93	87	96	98
	Turning Ripe	24	14	41	61
Oats	Heading	96	93	97	99
	Turning Ripe	61	42	56	79
	Harvested	5	2	4	20
Barley	Heading	94	85	94	98
	Turning Ripe	26	17	48	70
Sweet Corn	Harvested	1	0	0	4

Condition as of July 26, 2009					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	8	15	34	40	3
Spring Wheat	2	9	23	49	17
Barley	2	9	27	50	12
Oats	3	7	24	53	13
Soybeans	1	6	24	51	18
Corn	1	4	20	55	20
Potatoes	0	1	14	58	27
Canola	0	4	40	55	1
Sunflowers	1	9	32	49	9
Dry Beans	2	5	26	58	9
Sugarbeets	2	5	25	55	13

Small Grain Ripening as of July 26



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 26, 2009:

Temperatures averaged from 5.3 degrees below normal in the Southeast District to 2.5 degrees below normal in the Northeast, North Central, and Central Districts. Extremes: 39 degrees in Hibbing; 88 degrees in Moorhead, Browns Valley, Wheaton. Precipitation averaged from 0.68 inch below normal in the Southwest District to 0.54 inch above normal in the East Central District. Greatest weekly total of 2.15 inches was recorded in Red Wing.

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 7/20/2009 through 7/26/2009

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 4	Depart from Norm
<u>NW DIST 1</u>										
Crookston	82	53	66.9	-3.2	1.43	.76	.13	1.40	1004	-260
Moorhead	88	53	69.6	-1.6	.11	-.50	-2.09	-4.27	1167	-155
Warroad	76	49	64.6	-3.2	.09	-.69	-2.21	-.71	787	-311
<u>NC DIST 2</u>										
Grand Rapids	81	49	66.1	-1.8	2.10	1.10	.70	-1.92	982	-132
Intl. Falls	79	44	62.8	-3.8	.50	-.21	-.71	-2.83	796	-249
Itasca	81	50	65.7	-1.0	2.05	1.20	-.92	-2.72	921	-112
<u>NE DIST 3</u>										
Duluth	80	48	65.2	-1.0	1.55	.63	-.89	-5.50	842	-104
Grand Marais	82	46	59.4	-2.7	1.24	.50	-.74	-1.22	543	-78
Hibbing	80	39	62.8	-3.7	1.50	.47	-1.98	-3.63	897	-110
<u>WC DIST 4</u>										
Alexandria	85	53	69.1	-1.6	.07	-.62	-2.58	-7.80	1158	-110
Browns Valley	88	51	69.4	-3.5	.14	-.62	-1.65	-3.16	1166	-236
Canby	86	56	69.8	-3.9	.40	-.30	-.74	-4.85	1263	-207
Dalton	83	54	67.6	-3.2	.25	-.47	-1.85	-1.99	1147	-156
Montevideo	84	49	66.2	-6.1	1.33	.61	-.38	-5.65	1212	-191
Morris	84	53	67.2	-4.3	.04	-.83	-2.78	-7.84	1187	-182
<u>CENT DIST 5</u>										
Becker	85	54	69.2	-1.4	1.13	.20	-1.93	-4.79	1258	-44
Collegeville	84	56	69.6	-3.1	1.20	.43	-.36	-3.42	1262	-165
Hutchinson	86	54	70.0	-2.4	.82	-.01	-2.61	-6.49	1313	-120
Melrose	84	48	67.5	-4.2	.58	-.21	-.77	-4.04	1122	-234
Olivia	83	49	66.6	-5.0	1.35	.60	-1.10	-5.53	1215	-188
St. Cloud	85	50	68.4	-1.9	.77	.06	-.92	-3.79	1174	-90
Staples	82	54	67.7	-.3	.84	.07	.46	-1.76	1064	-73
Willmar	84	54	69.7	-1.9	1.86	1.09	-.71	-6.26	1292	-97
<u>EC DIST 6</u>										
Aitkin	81	48	64.2	-3.0	2.06	1.03	1.25	-.21	1014	-59
Forest Lake	86	53	68.5	-2.7	1.36	.35	-2.29	-7.03	1259	-94
Hinckley	80	42	63.2	-5.2	1.82	.81	.21	-4.27	962	-166
MSP Airport	85	58	71.6	-2.1	1.26	.37	-2.15	-6.80	1422	-51
St. Paul - UofM	82	55	68.6	-4.5	1.13	.17	-2.48	-8.73	1362	-81
<u>SW DIST 6</u>										
Lamberton	84	50	67.4	-4.9	.03	-.76	-1.75	-4.18	1280	-180
Marshall	85	52	67.9	-5.2	.11	-.67	-.42	-4.08	1284	-184
Redwood Falls	87	53	70.0	-3.8	.08	-.75	-3.14	-7.07	1382	-152
Worthington	82	51	66.6	-4.7	0	-.75	1.60	-.92	1229	-129
<u>SC DIST 8</u>										
Faribault	83	51	67.3	-4.4	1.96	.99	-1.73	-4.54	1236	-140
Mankato	83	50	66.8	-5.6	.67	-.25	-2.66	-7.80	1238	-198
Waseca	83	51	67.5	-4.0	.78	-.24	-2.90	-7.04	1236	-175
Winnebago	85	49	68.0	-4.4	.39	-.53	-2.02	-5.89	1342	-115
<u>SE DIST 9</u>										
Preston	82	43	64.8	-5.9	.61	-.45	-2.53	-3.27	1204	-109
Red Wing	83	54	67.4	-5.2	2.15	1.20	-1.39	-4.78	1229	-187
Rochester	80	50	66.1	-4.3	1.80	.75	-1.29	-2.45	1191	-111
Rosemount	84	51	66.8	-4.5	1.28	.23	-2.55	-6.24	1196	-162

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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