



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 HEADING IN GOOD CONDITION

The percentage of spring wheat, barley and oats heading or beyond advanced last week with the crops rated primarily in good to excellent condition, according to the USDA, NASS, Minnesota Field Office. Spring wheat heading advanced 34 points to 64 percent heading while barley advanced 24 points to 59 percent heading. Sixty-two percent of spring wheat and 56 percent of barley was rated in good to excellent condition. Oats was 82 percent heading, with 65 percent of the crop in good to excellent condition. Producers were monitoring disease and insect pressure on the maturing small grains. Some incidence of aphids and tan spot in wheat were noted in the west central and northwest.

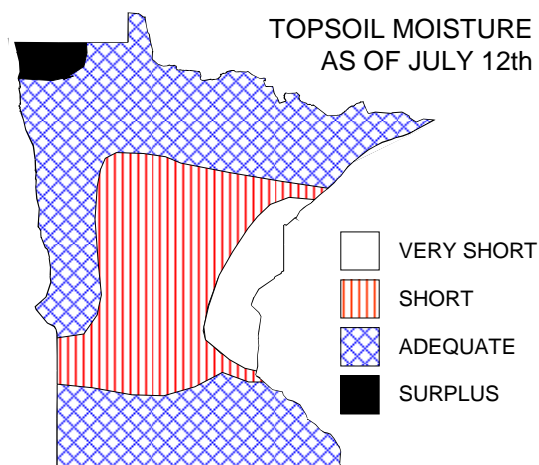
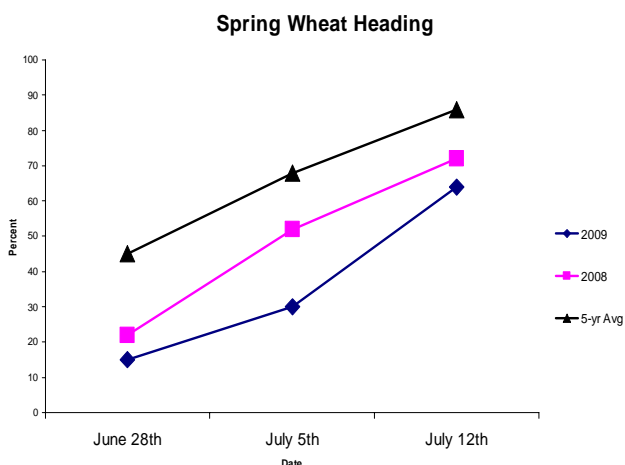
Last week's high temperatures ranged from the low 70s north to mid 80s south. Showers and thunderstorms moved through southern parts of the state with rainfall amounts ranging from an inch to over 3 inches. Stronger storms produced pockets of damaging hail. Rainfall was negligible across the central. Topsoil moisture supplies were rated 40 percent short to very short. Sixty percent of topsoil was adequate to surplus for moisture, down from 69 percent a week ago. Statewide 5.8 days were suitable for fieldwork.

Corn and soybeans were in generally good to excellent condition statewide. Corn was rated 82 percent good to excellent with an average height of 55 inches, while soybeans were rated 74 percent good to excellent with an average height of 15 inches. Producers were monitoring soybean aphid levels, particularly in drier parts of the state. Range and pasture was rated 55 percent good to excellent with 15 percent rated poor to very poor.

Days Suitable for Fieldwork: 5.8				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	11	29	57	3

Crop Progress as of July 12, 2009					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height (Inches)	55	42	44	55
	Silking	1	0	2	15
Soybeans	Height(Inches)	15	11	12	15
	Blooming	11	5	25	40
Spring Wheat	Jointing	94	86	95	98
	Heading	64	30	72	86
	Turning Ripe	5	0	3	18
Oats	Jointing	97	93	98	98
	Heading	82	70	84	90
	Turning Ripe	20	4	11	35
Barley	Jointing	92	85	94	97
	Heading	59	35	70	85
	Turning Ripe	4	1	4	22

Condition as of July 12, 2009					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	6	9	30	50	5
Spring Wheat	2	11	25	48	14
Barley	2	11	31	47	9
Oats	3	7	25	53	12
Soybeans	1	4	21	57	17
Corn	1	3	14	59	23
Potatoes	0	1	20	62	17
Canola	0	13	53	34	0
Sunflowers	1	10	37	44	8
Dry Beans	1	3	31	54	11
Sugarbeets	1	3	26	58	12



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 12, 2009:
 Temperatures averaged from 3.8 degrees below normal in the Northwest District to 1.7 degrees below normal in the East Central District. Extremes: 35 degrees in International Falls; 89 degrees at the Minneapolis Airport. Precipitation averaged from 0.99 inch below normal in the East Central District to 0.99 inch above normal in the Southwest District. Greatest weekly total of 3.46 inches was recorded in Worthington.

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 7/6/2009 through 7/12/2009

	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	81	46	66.2	-2.9	2.63	1.90	3.55	2.40	804	-183
Moorhead	84	48	67.2	-2.9	.36	-.33	-.43	-3.25	938	-93
Warroad	79	44	61.2	-5.7	.25	-.61	-1.45	.09	626	-221
<u>NC DIST 2</u>										
Grand Rapids	80	47	63.4	-3.7	.03	-1.05	-2.39	-4.74	809	-53
Intl. Falls	77	35	58.6	-7.2	.18	-.62	-2.24	-3.58	637	-172
Itasca	81	46	63.4	-2.3	.09	-.82	-1.33	-3.59	742	-55
<u>NE DIST 3</u>										
Duluth	80	48	62.5	-2.5	0	-.97	-3.46	-6.57	667	-48
Grand Marais	79	45	58.5	-.8	.01	-.78	-1.39	-1.98	398	-46
Hibbing	77	39	58.8	-6.8	.05	-1.07	-2.31	-3.82	730	-43
<u>WC DIST 4</u>										
Alexandria	82	54	68.6	-1.1	.03	-.74	-1.28	-6.83	939	-43
Browns Valley	85	52	67.0	-4.9	.55	-.25	.21	-2.26	932	-159
Canby	84	56	69.4	-3.5	1.37	.56	-.00	-4.03	1014	-136
Dalton	84	51	69.0	-.9	.05	-.72	1.11	-1.54	931	-84
Montevideo	83	55	68.4	-3.3	.71	-.10	-1.17	-5.82	997	-102
Morris	83	53	68.4	-2.4	.34	-.58	-2.02	-6.59	970	-102
<u>CENT DIST 5</u>										
Becker	85	54	69.7	-.3	.06	-.90	.08	-4.76	1026	10
Collegeville	83	55	69.0	-2.9	.07	-.78	.48	-4.76	1033	-84
Hutchinson	86	56	70.6	-1.4	.02	-.85	-2.09	-5.66	1067	-57
Melrose	82	51	67.4	-3.6	.02	-.84	-.31	-5.03	914	-144
Olivia	83	55	68.2	-3.1	.10	-.75	-2.43	-5.55	999	-107
St. Cloud	85	50	67.5	-2.0	.10	-.67	-1.04	-4.43	956	-25
Staples	81	48	66.4	-.8	0	-.86	.76	-4.02	862	-21
Willmar	86	57	71.0	-.1	.16	-.73	-3.40	-7.29	1051	-38
<u>EC DIST 6</u>										
Aitkin	81	47	64.8	-1.6	.01	-1.06	-2.42	-3.60	808	-21
Forest Lake	88	52	69.7	-.9	.09	-.94	-2.15	-6.75	1036	-23
Hinckley	83	41	63.7	-4.0	0	-1.03	-2.62	-6.04	790	-78
MSP Airport	89	60	72.7	-.3	.03	-.89	-2.08	-6.32	1152	-1
St. Paul - UofM	86	58	70.4	-2.0	0	-1.01	-2.79	-7.99	1129	1
<u>SW DIST 6</u>										
Lamberton	86	52	69.6	-2.5	1.38	.55	.44	-2.65	1049	-105
Marshall	85	56	70.0	-2.5	2.18	1.36	.92	-2.62	1049	-104
Redwood Falls	86	56	70.6	-2.8	.25	-.62	-2.39	-5.48	1123	-90
Worthington	84	58	69.6	-1.3	3.46	2.62	1.59	-.07	1007	-56
<u>SC DIST 8</u>										
Faribault	87	54	69.4	-1.9	.10	-.86	-1.67	-4.59	1007	-69
Mankato	84	57	68.7	-3.2	.50	-.53	-3.17	-6.71	1011	-116
Waseca	86	54	68.0	-3.2	.29	-.70	-2.56	-5.82	1008	-104
Winnebago	87	57	70.0	-2.2	1.08	.14	-1.52	-4.53	1098	-51
<u>SE DIST 9</u>										
Preston	83	51	67.6	-2.6	1.06	-.00	-2.01	-1.79	990	-33
Red Wing	88	53	68.9	-2.9	0	-.97	-1.94	-5.02	1002	-105
Rochester	86	54	67.8	-2.1	.85	-.18	-1.54	-2.15	985	-32
Rosemount	85	56	68.8	-2.1	.13	-.93	-2.16	-5.47	978	-85

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.

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