



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

TOPSOIL MOISTURE SUPPLY HOLDS STEADY

Topsoil moisture supplies held steady last week as rain fell across central and northern portions of the state, according to the USDA, NASS Minnesota Field Office. Precipitation totals from Tuesday's thunderstorms were varied with amounts ranging from under one-half to over 3 inches of rain. Sixty-one percent of topsoil was rated adequate to surplus for moisture, up from 60 percent last week. The week was cool as daytime highs were generally 5 to 10° below normal in most locations. Statewide, there were 5.5 days suitable for fieldwork.

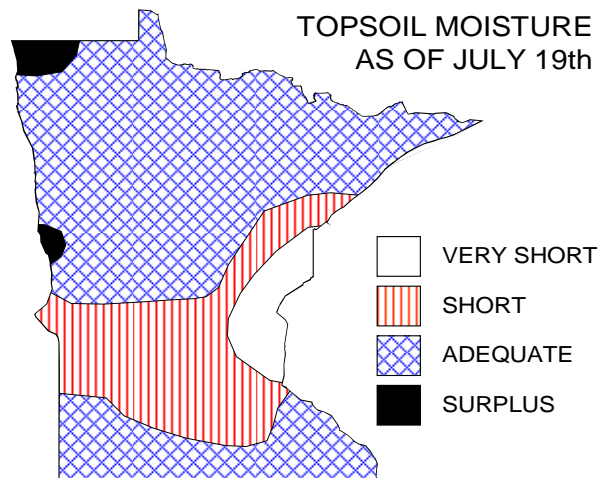
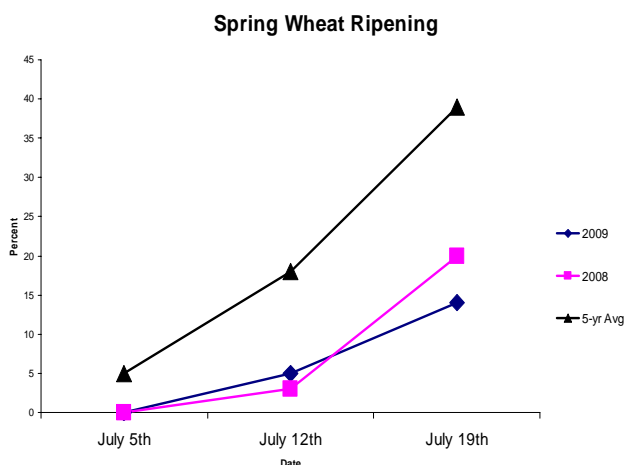
As of Sunday, 11 percent of corn was at or beyond the silking stage, 5 percent ahead of last year, but 28 percent behind the 5-year average. Seventy-eight percent of the corn crop was rated in good to excellent condition, down 4 percent from last week. Thirty-nine percent of soybeans were blooming, 8 percent behind last year and 24 percent behind average. Soybeans were rated 71 percent good to excellent, down 3 percent from last week. Producers continue to monitor soybean aphid populations, which have been low thus far.

Eighty-seven percent of the spring wheat crop was at or beyond the heading stage. Overall, 61 percent of the crop was rated in good to excellent condition. Wheat scab was present in some western counties, but plant numbers showing scab were low. Producers were applying fungicides where necessary. Barley was 85 percent heading with 56 percent rated in good to excellent condition. Oats heading was nearly complete at 93 percent. Forty-two percent of the crop was turning ripe with 2 percent harvested for grain.

Days Suitable for Fieldwork: 5.5				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	10	29	57	4

Crop Progress as of July 19, 2009					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height (Inches)	65	55	57	66
	Silking	11	1	6	39
Soybeans	Height(Inches)	19	15	16	19
	Blooming	39	11	47	63
Spring Wheat	Setting Pods	4	0	0	9
	Heading	87	64	88	95
Oats	Turning Ripe	14	5	20	39
	Heading	93	82	94	97
Barley	Turning Ripe	42	20	33	60
	Harvested	2	0	1	7
Barley	Heading	85	59	83	94
	Turning Ripe	17	4	16	45

Condition as of July 19, 2009					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	7	14	32	42	5
Spring Wheat	2	10	27	47	14
Barley	2	10	32	46	10
Oats	3	7	26	50	14
Soybeans	1	5	23	54	17
Corn	1	3	18	59	19
Potatoes	0	1	17	55	27
Canola	0	13	52	35	0
Sunflowers	1	10	38	43	8
Dry Beans	2	6	29	51	12
Sugarbeets	1	3	26	58	12



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 19, 2009:
 Temperatures averaged from 9.5 degrees below normal in the Northwest and North Central Districts to 6.2 degrees below normal in the Northeast District. Extremes: 34 degrees in Staples; 84 degrees in Redwood Falls. Precipitation averaged from 0.99 inch below normal in the Southeast District to 0.59 inch above normal in the North Central District. Greatest weekly total of 3.42 inches was recorded in Aitkin.

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 7/13/2009 through 7/19/2009

	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 4	Depart from Norm
<u>NW DIST 1</u>										
Crookston	74	45	60.5	-9.2	1.43	.74	2.18	.65	883	-241
Moorhead	80	46	62.4	-8.4	.12	-.52	-1.48	-3.77	1030	-145
Warroad	72	44	56.6	-10.9	.72	-.10	-.68	-.02	682	-290
<u>NC DIST 2</u>										
Grand Rapids	78	42	57.2	-10.5	2.76	1.72	-1.10	-3.02	866	-121
Intl. Falls	77	35	55.2	-11.2	1.70	.95	-.93	-2.62	699	-227
Itasca	76	41	57.9	-8.4	.53	-.34	-1.62	-3.93	809	-105
<u>NE DIST 3</u>										
Duluth	77	44	58.7	-7.2	1.38	.44	-2.16	-6.13	733	-97
Grand Marais	83	46	59.7	-1.1	1.03	.27	-1.68	-1.72	474	-55
Hibbing	77	37	55.8	-10.4	.80	-.28	-3.00	-4.10	793	-96
<u>WC DIST 4</u>										
Alexandria	76	47	61.6	-8.8	.36	-.34	-2.31	-7.17	1023	-101
Browns Valley	81	48	63.6	-9.0	.50	-.28	-.07	-2.54	1031	-215
Canby	82	50	65.4	-8.1	.22	-.52	-.30	-4.55	1123	-187
Dalton	81	50	62.6	-7.9	.76	.02	-.59	-1.52	1021	-137
Montevideo	82	46	63.4	-8.8	.31	-.44	-.64	-6.26	1096	-155
Morris	81	44	62.2	-9.1	.46	-.43	-1.68	-7.02	1063	-157
<u>CENT DIST 5</u>										
Becker	79	45	63.2	-7.3	.70	-.23	-1.40	-4.99	1122	-37
Collegeville	80	50	62.7	-9.8	1.70	.91	-.23	-3.85	1124	-147
Hutchinson	79	49	64.7	-7.7	0	-.83	-2.88	-6.48	1172	-107
Melrose	77	48	61.6	-9.9	2.01	1.20	-.25	-3.83	998	-208
Olivia	82	43	63.0	-8.6	.20	-.58	-2.14	-6.13	1095	-160
St. Cloud	79	43	61.2	-8.9	1.28	.58	-1.08	-3.85	1043	-79
Staples	77	34	58.5	-9.3	3.00	2.19	2.00	-1.83	938	-71
Willmar	82	47	64.0	-7.6	.75	-.05	-2.34	-7.34	1152	-86
<u>EC DIST 6</u>										
Aitkin	78	41	58.8	-8.2	3.42	2.36	.17	-1.24	881	-70
Forest Lake	80	50	62.9	-8.2	.38	-.63	-1.76	-7.38	1128	-77
Hinckley	75	41	58.0	-10.3	1.99	.97	-.82	-5.08	863	-135
MSP Airport	82	53	66.4	-7.1	.04	-.85	-2.67	-7.17	1269	-44
St. Paul - UofM	79	50	64.3	-8.6	.06	-.91	-2.96	-8.91	1230	-55
<u>SW DIST 6</u>										
Lamberton	82	43	64.7	-7.6	.03	-.77	-.34	-3.42	1157	-150
Marshall	82	48	64.8	-8.2	.01	-.79	.00	-3.41	1157	-153
Redwood Falls	84	47	66.4	-7.3	0	-.84	-3.12	-6.32	1241	-132
Worthington	82	46	64.4	-6.9	.67	-.10	1.93	-.17	1112	-99
<u>SC DIST 8</u>										
Faribault	80	51	65.0	-6.7	.02	-.94	-3.10	-5.53	1114	-112
Mankato	80	50	65.2	-7.1	.11	-.83	-3.11	-7.55	1119	-162
Waseca	82	47	64.4	-7.1	.03	-.97	-2.96	-6.79	1112	-149
Winnebago	81	48	66.3	-6.1	.08	-.83	-1.74	-5.37	1214	-89
<u>SE DIST 9</u>										
Preston	80	49	64.6	-6.0	.02	-1.03	-2.56	-2.82	1095	-73
Red Wing	80	53	64.6	-7.8	0	-.96	-3.08	-5.98	1106	-155
Rochester	78	50	63.0	-7.3	0	-1.05	-2.81	-3.20	1077	-82
Rosemount	78	49	63.9	-7.3	.05	-1.00	-2.70	-6.47	1077	-133

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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