



# 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

## EXCELLENT GROWING CONDITIONS ACROSS MUCH OF MINNESOTA

Warm weather and timely rains promoted crop progress across much of the state, according to the NASS Minnesota Field Office. Crop growth and condition generally improved last week as high heat and humidity marked the first full week of summer. Daytime highs, early in the week, climbed into the mid 80s to low 90s across central and southern Minnesota. The warm, moist air sparked scattered showers and thunderstorms. Some stronger storms in the central and south dropped hail in localized areas. There were 5.0 days suitable for fieldwork during the week.

Last week's precipitation amounts were highly variable. Heavy rains fell across the northwest causing localized flooding while portions of the central and south received less than one-half inch. Statewide, topsoil moisture supplies were rated 78 percent adequate to surplus compared to 75 percent last week. Twenty-two percent of the state's topsoil was rated short to very short of moisture.

Eighty-two percent of the corn crop was rated in good to excellent condition with an average height of 27 inches. Seventy-four percent of soybeans were in good to excellent condition with an average height of 8 inches. Oats heading advanced significantly under the warm weather to 51 percent, up from 17 percent a week ago. Oats heading was ahead of last year, but trails the 5-year average of 56 percent. Spring wheat was 15 percent heading and barley was 18 percent heading, both behind last year and average.

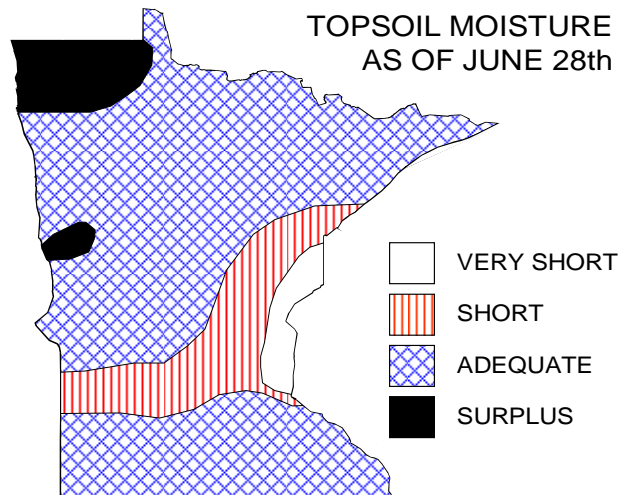
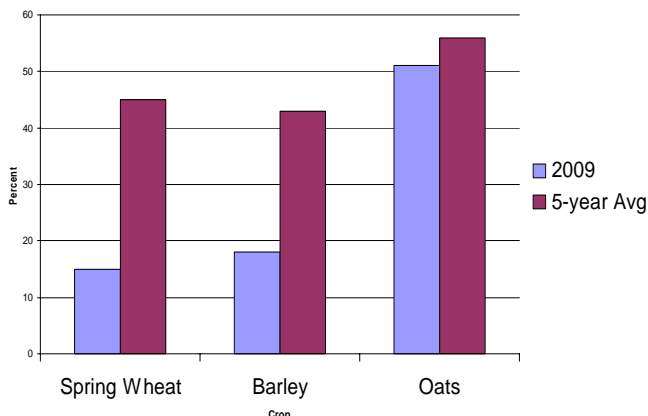
First cutting alfalfa harvest was rated 84 percent complete. First cutting continues for some northern locations while second cutting is underway across the south. Producers were spraying for alfalfa weevil in west central Minnesota.

Days Suitable for Fieldwork: 5.0				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	5	17	68	10

Crop Progress as of June 28, 2009					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height (Inches)	27	16	19	29
Soybeans	Height(Inches)	8	5	6	8
Spring Wheat	Jointing	66	48	77	84
	Heading	15	8	22	45
Oats	Jointing	84	70	81	89
	Heading	51	17	32	56
Barley	Jointing	63	47	74	79
	Heading	18	6	19	43
Sweet Corn	Planted	98	93	91	94
Alfalfa	1st Cutting	84	78	83	88

Condition as of June 28, 2009					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	4	11	29	50	6
Spring Wheat	1	8	29	51	11
Barley	2	10	33	48	7
Oats	3	8	31	52	6
Soybeans	1	3	22	60	14
Corn	0	3	15	59	23
Potatoes	0	2	23	59	16
Alfalfa	2	9	31	52	6
Canola	0	18	59	23	0
Sunflowers	1	8	36	47	8
Green Peas	0	3	20	64	13
Dry Beans	1	3	31	55	10
Sugarbeets	1	1	25	62	11

Percent Headed: 2009 vs Average



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PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING June 28, 2009:  
 Temperatures averaged from 2.8 degrees above normal in the Northwest District to 5.9 degrees above normal in the Southeast District. Extremes: 41 degrees in International Falls; 97 degrees in Forest Lake, Red Wing. Precipitation averaged from 0.54 inch below normal in the Northeast District to 1.25 inches above normal in the Northwest District. Greatest weekly total of 3.63 inches was recorded in Crookston.

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 6/22/2009 through 6/28/2009

	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	88	55	70.2	3.0	3.63	2.80	1.77	1.27	589	-135
Moorhead	90	55	71.2	3.2	.93	.12	-.35	-2.18	692	-63
Warroad	83	51	67.2	2.2	1.77	.84	-.47	1.50	473	-138
<u>NC DIST 2</u>										
Grand Rapids	86	51	69.5	4.6	.45	-.69	-1.09	-2.62	628	4
Intl. Falls	84	41	64.5	.9	.52	-.43	-1.97	-2.12	490	-96
Itasca	86	50	67.9	4.2	1.53	.50	-.67	-1.80	550	-25
<u>NE DIST 3</u>										
Duluth	87	51	67.2	5.1	.39	-.64	-2.37	-4.61	502	-3
Grand Marais	85	43	56.0	.5	.38	-.44	-.84	-.48	265	-35
Hibbing	87	43	66.4	3.2	.56	-.54	-.95	-1.65	574	19
<u>WC DIST 4</u>										
Alexandria	89	58	71.9	4.6	.65	-.35	-1.30	-5.21	681	-32
Browns Valley	93	54	73.4	4.1	1.78	.96	.37	-1.51	695	-102
Canby	92	59	74.6	3.9	1.11	.15	-.78	-4.11	751	-93
Dalton	88	57	72.6	4.8	1.67	.79	1.33	-.14	668	-74
Fergus Falls	90	57	72.9	5.5	1.41	.53	1.22	.80	638	-89
Montevideo	92	59	73.4	3.7	1.33	.35	-1.49	-5.27	748	-59
Morris	92	58	73.6	4.7	1.24	.27	-1.58	-5.07	720	-68
<u>CENT DIST 5</u>										
Becker	92	57	74.8	6.9	1.80	.73	1.08	-2.86	765	22
Collegeville	90	57	73.4	3.9	1.63	.56	.59	-3.05	768	-54
Hutchinson	94	55	73.6	3.6	.76	-.29	-.85	-3.89	798	-29
Melrose	91	57	72.0	3.0	1.31	.31	.09	-3.27	671	-102
Olivia	90	56	73.6	3.9	.61	-.44	-1.71	-4.43	748	-67
St. Cloud	91	54	72.4	5.2	.94	-.10	-.77	-2.87	710	-4
Staples	86	52	70.2	5.2	2.61	1.61	1.27	-2.22	637	-7
Willmar	93	58	75.6	6.3	.66	-.54	-2.76	-5.54	770	-30
<u>EC DIST 6</u>										
Aitkin	87	43	67.2	2.9	1.02	-.05	-.34	-1.46	603	3
Forest Lake	97	56	75.4	6.8	1.98	.88	-1.11	-4.74	786	9
Hinckley	90	47	68.9	3.6	.81	-.23	-1.65	-4.48	604	-20
MSP Airport	95	61	77.5	6.9	.88	-.15	-1.20	-4.65	864	17
St. Paul - UofM	95	60	76.3	5.1	.85	-.32	-1.98	-6.26	870	-11
<u>SW DIST 7</u>										
Lamberton	92	59	76.0	5.3	1.56	.65	.42	-2.43	782	-72
Marshall	93	60	76.8	6.1	.64	-.24	-.90	-3.65	781	-67
Pipestone	91	53	74.4	5.1	1.87	.97	-.10	-2.36	745	-43
Redwood Falls	94	60	75.9	4.3	.24	-.73	-1.08	-3.93	837	-63
Worthington	91	56	75.8	6.6	.65	-.41	-.64	-2.52	744	-33
<u>SC DIST 8</u>										
Faribault	94	59	74.8	5.3	.60	-.39	.19	-2.81	760	-27
Mankato	94	58	74.5	4.3	.62	-.70	-1.71	-5.14	759	-70
Waseca	92	54	74.4	4.6	.68	-.31	-1.15	-4.14	770	-51
Winnebago	96	59	76.3	5.6	.81	-.25	-1.35	-3.88	826	-22
<u>SE DIST 9</u>										
Preston	95	57	74.5	5.9	.62	-.48	-.37	-.74	759	14
Red Wing	97	60	75.2	5.4	.48	-.49	-.75	-3.39	762	-49
Rochester	93	57	75.2	7.0	.20	-.78	-.57	-1.16	755	12
Rosemount	92	58	74.4	5.2	1.17	.08	-.39	-3.69	739	-39
Winona	96	63	76.2	5.9	.47	-.46	.91	.02	765	-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.

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