



# 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

## RAINS WIDESPREAD, AMOUNTS VARY

Topsoil moisture improved slightly, but some portions of the state remain short, according to the NASS Minnesota Field Office. Large areas of rain moved across much of Minnesota last week; however, amounts varied from several hundredths to in excess of two inches. Statewide, 21 percent of topsoil was rated short and 4 percent was rated very short of moisture. Warmer temperatures promoted crop growth and maturity, but also fueled severe weather in some areas. The first tornadoes of the season occurred Wednesday in Wilkin, Mower, Freeborn and Waseca counties. The showers and thunderstorms slowed corn and soybean spraying. Rain also delayed producers' completion of first cutting alfalfa harvest. Statewide, there were 4.2 days suitable for fieldwork during the week.

Average corn height was 16 inches while average soybean height was 5 inches. Corn and soybean conditions improved slightly from last week. Corn condition was rated 78 percent good to excellent while soybeans were rated 73 percent good to excellent.

Forty-eight percent of spring wheat and 47 percent of barley was jointing with 8 and 6 percent heading respectively. Seventy percent of oats was jointing with 17 percent headed. All three crops were rated in predominately fair to good condition.

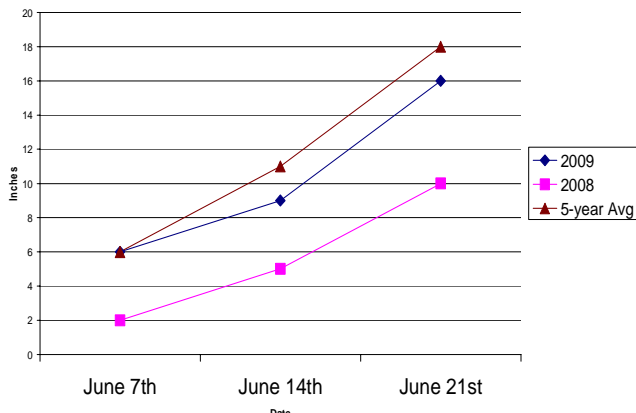
Conditions of minor field crops were rated for the first time last week. Canola was rated in primarily fair condition while green peas and dry beans were in generally good to excellent condition. Harvest of earlier planted green peas began late in the reporting period.

Days Suitable for Fieldwork: 4.2				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	4	21	66	9

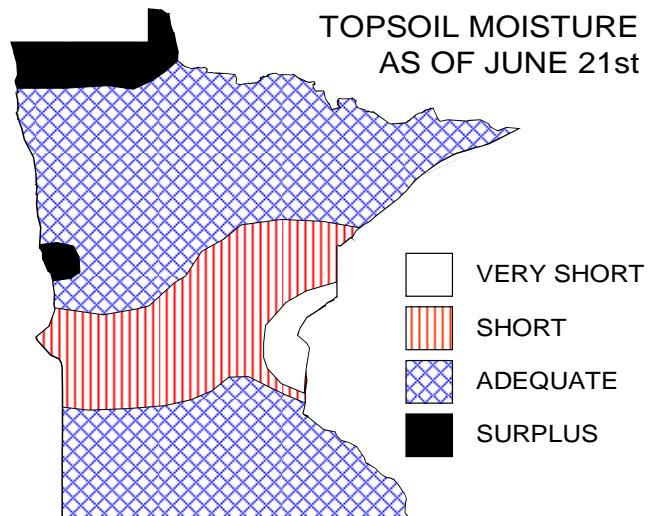
Crop Progress as of June 21, 2009					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height (Inches)	16	9	10	19
Soybeans	Emerged	98	90	95	97
	Height (Inches)	5	3	4	6
Spring Wheat	Jointing	48	19	46	65
	Heading	8	NA	5	21
Oats	Jointing	70	41	62	76
	Heading	17	3	14	31
Barley	Jointing	47	14	51	62
	Heading	6	NA	6	21
Sweet Corn	Planted	93	86	81	87
Alfalfa	1st Cutting	78	70	56	72

Condition as of June 21, 2009					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	3	12	32	47	6
Spring Wheat	1	7	29	54	9
Barley	2	9	37	45	7
Oats	3	7	35	43	12
Soybeans	1	3	23	62	11
Corn	0	2	18	59	21
Potatoes	0	1	29	57	13
Alfalfa	2	8	31	51	8
Canola	0	20	64	16	0
Sunflowers	0	5	42	45	8
Green Peas	1	3	27	55	14
Dry Beans	1	3	34	52	10
Sugarbeets	1	1	30	57	11

Corn Height



TOPSOIL MOISTURE AS OF JUNE 21st



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING June 21, 2009:  
 Temperatures averaged from 1.3 degrees above normal in the Southwest District to 3.5 degrees above normal in the East Central District. Extremes: 41 degrees in Hibbing, Duluth, International Falls; 90 degrees in Morris, Forest Lake, Worthington. Precipitation averaged from 0.62 inch below normal in the East Central District to 0.44 inch above normal in the North Central District. Greatest weekly total of 2.76 inches was recorded in Collegeville.

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 6/15/2009 through 6/21/2009

	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	85	55	69.1	3.1	.47	-.38	.11	-1.53	446	-156
Moorhead	86	56	69.5	2.9	1.37	.53	-.85	-2.29	544	-84
Warroad	82	42	66.0	2.3	.04	-.88	.88	.66	351	-151
<u>NC DIST 2</u>										
Grand Rapids	86	51	68.6	5.1	1.55	.43	-.95	-1.93	490	-25
Intl. Falls	83	41	65.8	3.5	.61	-.36	-1.30	-1.69	381	-104
Itasca	83	47	64.4	2.0	1.00	-.05	-1.09	-2.30	422	-51
<u>NE DIST 3</u>										
Duluth	83	41	63.6	3.1	.17	-.86	-1.90	-3.97	380	-34
Grand Marais	83	42	64.8	1.1	1.37	.55	-.88	-.03	206	-36
Hibbing	83	41	65.6	3.9	1.46	.40	-.71	-1.10	453	-5
<u>WC DIST 4</u>										
Alexandria	83	56	67.9	2.2	1.76	.69	-1.75	-4.86	528	-62
Browns Valley	88	54	69.4	1.6	.80	.00	-.52	-2.47	536	-126
Canby	87	54	70.4	1.2	.77	-.22	-1.64	-4.25	586	-114
Dalton	85	58	68.8	2.4	2.63	1.72	.80	-.92	509	-107
Fergus Falls	83	44	65.8	-.2	2.68	1.77	.69	.28	478	-125
Montevideo	88	55	69.8	1.5	.05	-.97	-2.48	-5.62	590	-79
Morris	90	56	71.0	3.4	.19	-.77	-2.37	-5.34	558	-97
<u>CENT DIST 5</u>										
Becker	85	56	70.4	3.9	.27	-.81	-2.58	-5.66	596	-21
Collegeville	85	55	69.6	1.5	2.76	1.63	-.92	-3.62	605	-80
Hutchinson	86	53	70.6	2.0	1.05	-.03	-1.31	-3.60	642	-45
Melrose	82	53	68.5	1.0	1.07	.04	-2.18	-4.69	518	-122
Olivia	86	54	69.3	.9	.22	-.87	-2.02	-3.99	586	-92
St. Cloud	84	52	69.2	3.5	1.72	.61	-1.48	-2.77	556	-36
Staples	84	52	68.4	4.7	1.97	.94	-1.07	-3.83	494	-41
Willmar	88	56	71.2	3.2	.15	-1.12	-3.17	-5.01	601	-64
<u>EC DIST 6</u>										
Aitkin	83	49	66.8	3.8	.81	-.23	-1.07	-1.41	478	-18
Forest Lake	90	56	71.2	3.9	.09	-1.02	-2.79	-5.62	620	-26
Hinckley	83	48	66.4	2.6	.19	-.83	-2.15	-4.26	471	-43
MSP Airport	86	60	73.0	3.9	.78	-.27	-1.88	-4.50	682	-22
St. Paul - UofM	86	58	73.0	3.2	.46	-.74	-2.61	-5.94	693	-42
<u>SW DIST 7</u>										
Lamberton	87	57	70.8	1.3	.93	.01	-.93	-3.08	607	-104
Marshall	88	57	70.9	1.5	1.02	.13	-1.35	-3.41	603	-101
Pipestone	87	53	69.5	1.7	.54	-.40	-1.89	-3.33	579	-75
Redwood Falls	87	56	71.8	1.5	.88	-.11	-.97	-3.20	664	-87
Worthington	90	56	70.0	2.2	.68	-.44	-1.13	-2.10	568	-75
<u>SC DIST 8</u>										
Faribault	85	54	70.6	2.5	1.49	.50	-.24	-2.42	593	-58
Mankato	84	55	70.6	1.7	.48	-.90	-2.00	-4.44	593	-96
Waseca	84	58	71.4	2.8	.42	-.56	-1.62	-3.83	606	-77
Winnebago	88	58	71.7	2.3	.47	-.62	-2.02	-3.63	650	-55
<u>SE DIST 9</u>										
Preston	86	51	70.9	3.7	.61	-.48	.64	-.26	597	-18
Red Wing	86	54	70.8	2.5	1.13	.17	-.70	-2.90	596	-77
Rochester	84	56	70.4	3.5	1.17	.22	1.27	-.38	585	-30
Rosemount	84	57	70.6	2.8	.62	-.47	-1.34	-3.77	573	-71
Winona	86	58	71.0	2.1	2.47	1.56	1.72	.47	589	-97

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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