



# 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, AND USDA-NRCS

## RAINS CAUSE FLOODING AND DELAY HAYING

Another week of widespread rain caused flooding in some fields and left standing water in low-lying areas last week, according to USDA, NASS, Minnesota Field Office. While producers in some regions appreciated needed moisture, there were reports of very wet fields across the state. The conditions have delayed haying, with the first cutting of alfalfa nearly two weeks behind last year.

The average temperature for the week was 61.3°, 3.4° below normal. Statewide topsoil moisture supplies as of Friday, June 13th increased to 0 percent very short, 0 short, 56 adequate, and 44 surplus. Statewide, on average, there were 2.1 days suitable for fieldwork during the week.

As of Sunday, June 15<sup>th</sup>, the average corn height was estimated at 6 inches compared to 19 inches last year and 13 inches for the 5-year average.

Soybeans were 91 percent emerged compared to 98 percent last year and 92 percent average. The average height of soybeans was 2 inches compared to 6 inches last year and 4 inches for the 5-year average.

Spring Wheat was 24 percent jointing compared to 59 percent last year and 50 percent average. Oats were 45 percent jointing compared to 73 percent last year and 65 percent average. Barley was 25 percent jointed compared to 56 percent last year and 51 percent average.

The first cutting of alfalfa reached 28 percent complete compared to 73 percent last year and 62 percent average.

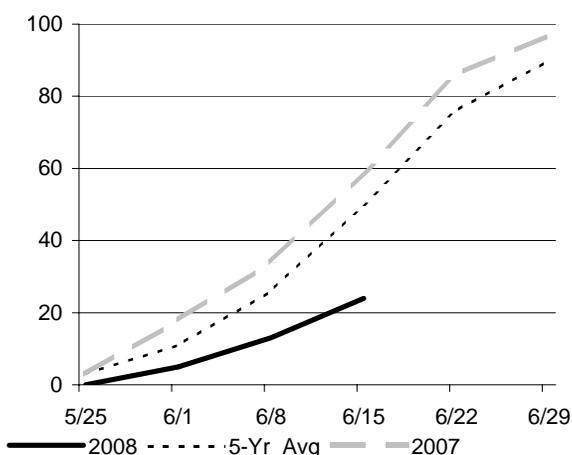
As of Friday, June 13<sup>th</sup>, 63 percent of corn and soybeans were rated in good or excellent condition. Seventy-seven percent of spring wheat, 75 percent of oats, 78 percent of barley, 61 percent of potatoes, 59 percent of sugarbeets, 68 percent of alfalfa, and 75 percent of pasture were rated in good or excellent condition.

Days Suitable for Fieldwork: 2.1				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	0	56	44

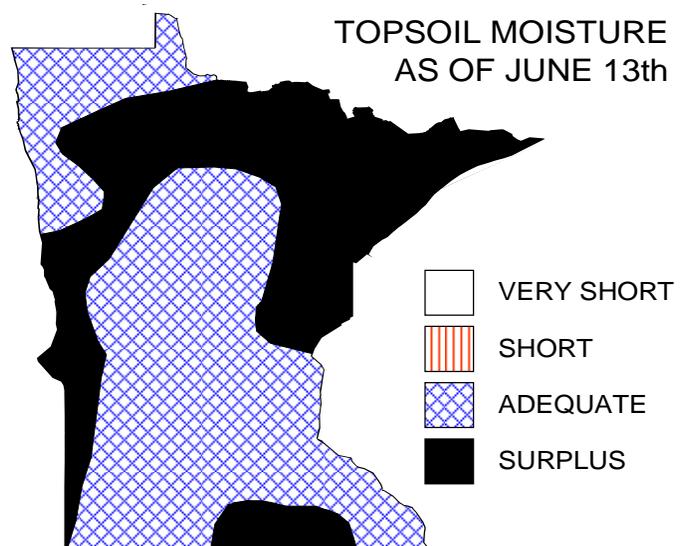
Crop Progress as of June 15, 2008					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height (inches)	6	N/A	19	13
Soybeans	Emerged	91	71	98	92
	Height (inches)	2	N/A	6	4
Spring Wheat	Jointing	24	13	59	50
Oats	Jointing	45	17	73	65
	Heading	2	0	22	13
Barley	Jointing	25	9	56	51
Sweet Corn	Planted	72	63	93	84
Dry Beans	Planted	95	94	97	95
Alfalfa	First Cutting	28	9	73	62

Crop Condition as of June 13, 2008					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Corn	1	5	31	57	6
Soybeans	1	5	31	58	5
Spring Wheat	1	3	19	62	15
Oats	1	2	22	61	14
Barley	1	3	18	53	25
Potatoes	0	3	36	44	17
Sugarbeets	1	5	35	52	7
Alfalfa	1	5	26	57	11
Pasture	1	3	21	62	13

SPRING WHEAT JOINTED  
MAY 25 - JUNE 29



TOPSOIL MOISTURE  
AS OF JUNE 13th



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING June 15, 2008:  
 Temperatures averaged from 6.1 degrees below normal in the Northwest District to 0.0 degree in the Southeast District. Extremes: 37 degrees in International Falls, 83 degrees in Winnebago, Montevideo, Willmar. Precipitation averaged from 0.03 inch below normal in the South Central District to 1.27 inches above normal in the Southeast District. Greatest weekly total was 3.43 inches recorded in Rochester.

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 6/9/2008 through 6/15/2008

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	From Norm Since 4/1	Since May 14	Depart from Norm
<u>NW DIST 1</u>										
Crookston	77	48	58.4	-6.3	1.21	.38	.97	-.38	312	-111
Moorhead	78	48	58.7	-6.7	2.25	1.41	2.56	2.99	351	-90
Warroad	74	45	56.8	-5.5	1.51	.63	.42	1.44	265	-89
<u>NC DIST 2</u>										
Grand Rapids	77	45	57.5	-4.9	1.54	.47	.85	5.14	303	-61
Intl. Falls	73	37	53.6	-7.5	2.30	1.35	2.20	3.41	248	-93
Itasca	74	45	57.0	-4.1	2.20	1.18	3.13	6.00	268	-66
<u>NE DIST 3</u>										
Duluth	71	42	55.5	-3.6	1.15	.15	1.72	3.62	236	-53
Grand Marais	70	39	48.8	-3.6	1.49	.69	4.59	7.70	140	-27
Hibbing	75	39	55.1	-5.3	1.36	.37	.20	2.77	256	-65
<u>WC DIST 4</u>										
Alexandria	74	47	59.0	-5.4	1.96	.90	.84	.67	320	-93
Browns Valley	80	47	58.8	-7.5	3.06	2.30	3.72	5.11	366	-97
Canby	80	50	63.4	-4.4	1.00	.02	.60	2.50	396	-95
Fergus Falls	76	48	59.2	-5.5	1.60	.71	.82	3.16	305	-118
Montevideo	83	48	63.0	-4.0	1.97	.95	1.28	2.00	395	-75
Morris	78	46	60.2	-6.1	2.01	1.08	.95	2.07	346	-114
<u>CENT DIST 5</u>										
Becker	78	52	63.5	-.9	.80	-.27	.65	3.40	374	-40
Collegeville	80	50	62.1	-4.7	2.28	1.15	2.79	4.57	379	-100
Hutchinson	80	50	64.1	-3.1	1.57	.50	-.38	1.78	407	-75
Olivia	78	49	62.8	-4.3	1.37	.29	-.04	2.00	389	-88
St. Cloud	79	50	62.4	-2.0	1.78	.68	1.21	2.63	361	-53
Staples	76	46	58.8	-3.7	2.08	1.07	1.58	2.33	274	-101
Willmar	83	48	63.2	-3.5	1.14	-.12	-.81	1.41	376	-90
<u>EC DIST 6</u>										
Aitkin	70	44	57.5	-4.1	1.62	.62	.83	2.99	296	-52
Forest Lake	79	51	64.1	-1.9	1.52	.44	1.17	3.08	397	-56
MSP Airport	79	55	66.3	-1.4	1.09	.06	-.50	.46	440	-53
St. Paul - UofM	77	54	65.6	-2.8	1.33	.14	-1.26	.81	446	-68
<u>SW DIST 7</u>										
Lamberton	80	51	65.2	-3.0	1.05	.14	.38	1.27	434	-66
Pipestone	82	45	63.2	-3.2	.95	.01	1.34	1.71	387	-71
Redwood Falls	80	52	64.8	-4.2	1.04	.07	.14	1.85	432	-95
Worthington	82	52	65.7	-.7	1.94	.83	3.40	4.08	418	-34
<u>SC DIST 8</u>										
Faribault	79	51	65.1	-1.6	1.22	.24	1.87	3.43	411	-46
Mankato	80	50	64.6	-2.9	.77	-.58	-.05	1.29	421	-63
Waseca	80	51	65.2	-2.1	1.49	.51	1.69	2.36	425	-55
Winnebago	83	52	67.4	-.6	.82	-.27	-.01	3.02	463	-32
<u>SE DIST 9</u>										
Preston	82	50	66.4	.6	3.04	1.97	7.11	11.66	433	2
Red Wing	80	58	67.2	.3	2.42	1.49	1.31	3.13	417	-54
Rochester	80	55	67.4	1.9	3.43	2.51	4.94	6.18	451	20
Rosemount	79	54	65.9	-.5	.27m	-.81m	-.44m	1.33m	396	-55
Winona	79	55	67.5	-1.8	2.99	2.09	2.89	6.77	434	-96

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.

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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