



# 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

## CROPS ADVANCE WITH COOLER TEMPERATURES

Corn and soybean development continued to advance and small grains neared maturity during the past week, according to USDA, NASS, Minnesota Field Office. Corn silking advanced 14 percentage points to 96 percent and 96 percent of the soybeans were blooming, up eight percentage points from last week.

The average temperature for the week was 68.6°, 1.0° below normal. Statewide topsoil moisture supplies as of Friday, August 8<sup>th</sup> were 12 percent very short, 29 short, 57 adequate, and 2 surplus. Statewide, on average, there were 6.4 days suitable for fieldwork during the week.

As of Sunday, August 10<sup>th</sup>, 35 percent of corn was in milk stage compared to 89 percent last year and 71 percent average. Four percent of corn was in dough stage compared to 47 percent last year and 25 percent average.

Soybeans were 62 percent setting pods compared to 87 percent last year and 81 percent average.

Spring wheat was 7 percent harvested compared to 49 percent last year and 36 percent average. Barley was 19 percent harvested compared to 81 percent last year and 56 percent average. Oats were 35 percent harvested compared to 87 percent last year and 67 percent average.

As of Friday, August 8<sup>th</sup>, 68 percent of corn and 71 percent of soybeans were rated in good or excellent condition.

Eighty-three percent of spring wheat and barley, and 71 percent of oats were rated in good or excellent condition.

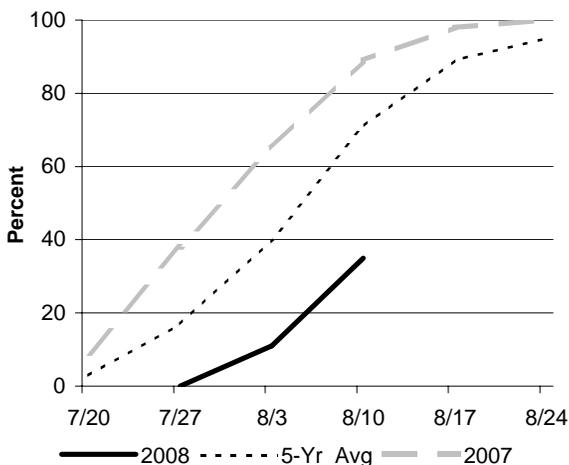
Sixty-nine percent of dry beans, 78 percent of sunflowers, 75 percent of canola, and 46 percent of pasture were rated in good or excellent condition.

Days Suitable for Fieldwork: 6.4				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	12	29	57	2

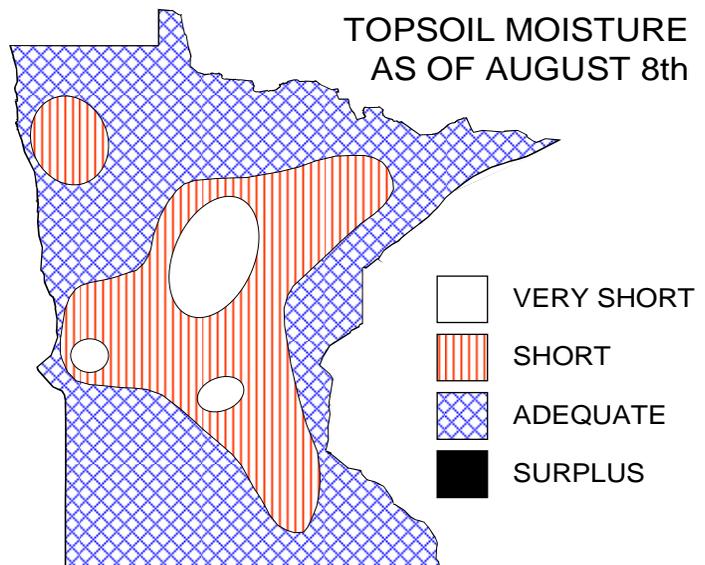
Crop Progress as of August 10, 2008					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Silking	96	82	100	98
	Milk	35	11	89	71
	Dough	4	0	47	25
Soybeans	Blooming	96	88	99	97
	Setting Pods	62	34	87	81
Spring Wheat	Ripening	79	63	100	95
	Harvested	7	2	49	36
Barley	Ripening	85	70	100	98
	Harvested	19	5	81	56
Oats	Ripening	94	81	100	97
	Harvested	35	19	87	67
Potatoes	Harvested	3	1	15	7
Sweet Corn	Harvested	8	5	35	22

Crop Condition as of August 8, 2008					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Corn	3	7	22	52	16
Soybeans	2	5	22	55	16
Spring Wheat	1	2	14	61	22
Barley	1	2	14	55	28
Oats	1	5	23	52	19
Potatoes	0	1	13	48	38
Sugarbeets	0	4	23	59	14
Dry Beans	0	7	24	52	17
Sunflowers	0	4	18	53	25
Canola	0	5	20	45	30
Pasture	8	15	31	40	6

CORN IN THE MILK STAGE  
JULY 20 - AUG 24



TOPSOIL MOISTURE  
AS OF AUGUST 8th



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING August 10, 2008:  
 Temperatures averaged from 3.0 degree below normal in the Northwest District to 0.6 degree above normal in the East Central District.  
 Extremes: 38 degrees in Hibbing, 93 degrees in Worthington. Precipitation averaged from 0.79 inch below normal in the North Central District to 0.34 inch below normal in the Southwest District. Greatest weekly total was 1.11 inches recorded in Hutchinson.

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 8/4/2008 through 8/10/2008

	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 14	Depart from Norm
<u>NW DIST 1</u>										
Crookston	84	50	66.5	-3.5	.05	-.64	-1.22	-3.19	1271	-213
Moorhead	83	52	68.5	-2.5	.34	-.24	-1.21	1.09	1443	-108
Warroad	79	51	64.6	-3.0	.02	-.67	-.57	1.18	1129	-179
<u>NC DIST 2</u>										
Grand Rapids	83	47	66.4	-.9	.02	-.87	-1.79	.74	1260	-64
Intl. Falls	77	40	60.9	-5.0	.04	-.66	-2.29	1.95	1015	-217
Itasca	83	48	65.2	-1.2	.02	-.84	-2.47	2.05	1139	-89
<u>NE DIST 3</u>										
Duluth	82	43	64.2	-1.3	.22	-.70	.04	1.90	1069	-67
Grand Marais	81	42	63.6	.1	.09	-.60	-2.06	6.25	736	-65
Hibbing	82	38	60.9	-4.7	.14	-.70	-1.71	.18	1033	-160
<u>WC DIST 4</u>										
Alexandria	85	56	70.2	.4	.18	-.62	-.82	-1.03	1417	-72
Browns Valley	86	54	69.8	-2.2	0	-.69	.30	3.33	1488	-151
Canby	88	60	73.2	.3	.04	-.61	.12	-.60	1623	-93
Fergus Falls	85	57	70.5	.3	.33	-.41	-2.30	.15	1375	-129
Montevideo	84	55	70.6	-.9	0	-.74	-1.24	-2.47	1539	-98
Morris	82	52	68.2	-2.7	.01	-.80	-1.24	-2.13	1446	-149
<u>CENT DIST 5</u>										
Becker	87	51	70.4	1.2	.05	-.93	-2.55	-1.35	1544	66
Collegeville	M	M	M	M	M	M	-.27m	1.94m	1439m	-221m
Hutchinson	85	53	70.8	-.4	1.11	.17	-1.56	-2.07	1587	-74
Olivia	85	53	69.0	-1.4	.23	-.54	.21	-.16	1490	-133
St. Cloud	85	50	69.0	-.2	0	-.87	-.23	.56	1457	-21
Staples	84	47	66.0	-1.4	.07	-.67	-1.55	-1.08	1232	-100
Willmar	84	55	71.1	.4	.17	-.69	-1.56	-3.46	1558	-55
<u>EC DIST 6</u>										
Aitkin	85	52	67.6	1.1	.35	-.60	-1.91	-.05	1271	6
Forest Lake	86	53	70.0	-.4	.73	-.34	-1.05	.33	1522	-51
MSP Airport	89	60	74.5	1.9	.06	-.89	-3.10	-4.74	1782	69
St. Paul - UofM	85	52	72.4	-.5	.37	-.64	-2.52	-5.01	1727	-27
<u>SW DIST 7</u>										
Lamberton	84	53	71.5	.4	0	-.79	.17	-1.44	1626	-59
Pipestone	86	56	70.8	-.5	.75	.05	.57	.12	1482	-129
Redwood Falls	87	53	71.8	-1.1	.62	-.23	-.37	-1.37	1636	-133
Worthington	93	56	72.0	1.9	.30	-.50	1.07	2.57	1607	26
<u>SC DIST 8</u>										
Faribault	84	51	70.2	-.4	.50	-.53	-.40	.62	1550	-55
Mankato	83	56	71.0	-.6	.36	-.66	.86	-1.69	1578	-90
Waseca	82	54	69.9	-.7	.40	-.69	1.67	1.39	1559	-73
Winnebago	89	54	72.2	.9	.27	-.73	-.88	-.49	1677	-7
<u>SE DIST 9</u>										
Preston	83	49	68.8	-1.1	.16	-.92	-2.78	7.17	1528	-9
Red Wing	85	55	71.0	-.7	.67	-.24	-1.48	-.79	1604	-48
Rochester	82	51	69.5	-.0	.09	-.94	-2.66	1.65	1598	79
Rosemount	86	51	70.5	.1	.11	-.96	-3.59	-2.44	1553	-29
Winona	81	55	70.5	-3.2	.62	-.33	-1.44	5.22	1547	-279

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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