



# 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

## SMALL GRAIN HARVEST ADVANCED UNDER DRIER CONDITIONS

Last week's warm, dry weather allowed small grain producers to bring this year's harvest closer to completion, according to the USDA, NASS, Minnesota Field Office. As of Sunday, 86 percent of spring wheat was harvested, an 18 percentage-point increase from last week; while barley was 90 percent harvested a 12 point gain from one week ago. Nearly 7 days were suitable for fieldwork, statewide.

Average temperatures ranged from 4 to 15° above normal throughout the state. No reporting stations recorded any measurable precipitation. As of Sunday, rainfall amounts were one-half to over 3 inches below normal over the past four weeks. Topsoil moisture supplies were 53 percent adequate to surplus, down from 66 percent last week.

Seventy-six percent of corn was at or beyond the dent stage, 20 points higher than a week ago, but 17 points behind last year and 15 points behind the five-year average. Four percent of corn was rated mature compared to 16 percent last year and 40 percent average. Forty-nine percent of soybeans were dropping leaves, up 33 points from last week and one point ahead of last year's pace. Ten percent of soybeans were rated mature, 3 points ahead of last year, but 18 points behind average, as harvest began in some areas. Statewide, 70 percent of corn and 66 percent of soybeans were rated in good to excellent condition, both down 2 points from a week ago.

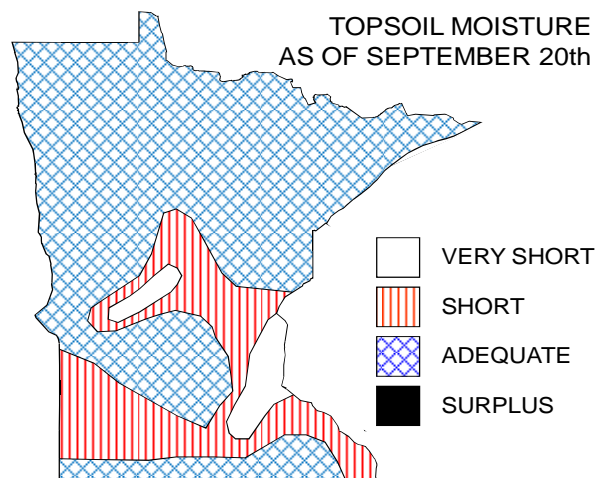
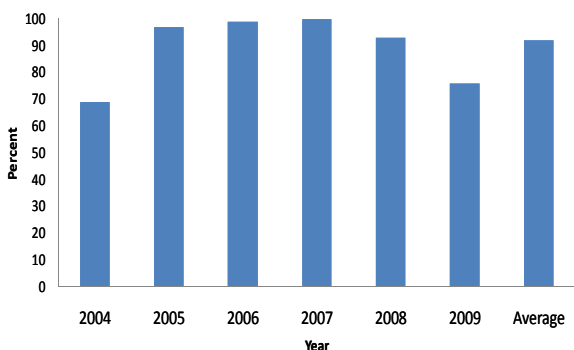
Sugarbeet harvest was 8 percent complete with 68 percent of the crop in good to excellent condition. Potatoes were 37 percent harvested by week's end. Sweet corn harvest advanced to 83 percent complete. Other crops being harvested included dry beans at 25 percent and canola at 46 percent complete.

Days Suitable for Fieldwork: 6.9				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	12	35	52	1

Crop Progress as of September 20, 2009					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Dough	98	93	100	99
	Dent	76	56	93	91
	Mature	4	1	16	40
Corn Silage	Harvested	38	21	58	63
Soybeans	Turning Yellow	85	64	89	91
	Dropping Leaves	49	16	48	63
	Mature	10	0	7	28
	Harvested	1	NA	1	4
Spring Wheat	Harvested	86	68	99	94
Oats	Harvested	96	93	100	100
Barley	Harvested	90	78	100	98
Potatoes	Harvested	37	25	43	51
Canola	Harvested	46	26	75	88
Dry Beans	Harvested	25	10	46	39
Sweet Corn	Harvested	83	78	82	87
Sugarbeets	Harvested	8	4	6	7

Condition as of September 20, 2009					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	10	20	35	34	1
Soybeans	2	6	26	53	13
Corn	2	5	23	54	16
Potatoes	0	1	9	62	28
Canola	0	12	42	35	11
Sunflowers	1	8	33	48	10
Dry Beans	2	6	27	57	8
Sugarbeets	2	5	25	54	14

Field Corn Denting as of September 20



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING September 20, 2009:  
 Temperatures averaged from 7.3 degrees above normal in the Southeast District to 14.0 degrees above normal in the Northwest District.  
 Extremes: 42 degrees in International Falls, Hibbing; 88 degrees in Canby.  
 Precipitation averaged from 0.84 inch below normal in the Northeast District to 0.52 inch below normal in the West Central District.  
 Greatest weekly total of 0.01 inch was recorded in Hibbing.

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 9/14/2009 through 9/20/2009

	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	58	71.0	14.7	0	-.51	-.59	1.83	1914	-238
Moorhead	86	55	71.0	13.7	0	-.50	-.77	-5.04	2131	-125
Warroad	83	54	67.0	13.6	0	-.62	-.93	1.45	1582	-288
<u>NC DIST 2</u>										
Grand Rapids	84	49	66.4	12.2	0	-.71	-2.68	-4.93	1827	-52
Intl. Falls	83	42	63.4	10.9	0	-.72	-2.04	-3.96	1546	-207
Itasca	82	49	67.0	14.5	0	-.68	-2.02	-4.76	1734	-26
<u>NE DIST 3</u>										
Duluth	80	51	64.0	9.8	0	-.98	-1.96	-5.83	1612	-51
Grand Marais	74	48	59.8	5.2	0	-.80	-2.68	-4.16	1089	-210
Hibbing	81	42	61.6	8.6	.01	-.74	-2.16	-6.05	1622	-89
<u>WC DIST 4</u>										
Alexandria	82	54	68.4	11.2	0	-.61	-1.91	-8.83	2090	-73
Browns Valley	85	49	66.5	7.4	0	-.42	-.38	-1.64	2037	-355
Canby	88	50	68.4	7.4	0	-.55	-1.84	-7.18	2283	-233
Dalton	86	57	69.9	11.5	0	-.49	-.97	-2.78	2102	-134
Montevideo	86	51	67.8	8.2	0	-.51	-2.00	-5.48	2148	-239
Morris	84	52	67.6	9.2	0	-.48	-.55	-7.66	2072	-246
<u>CENT DIST 5</u>										
Becker	85	50	68.8	11.5	0	-.72	-3.14	-6.26	2246	59
Hutchinson	85	51	68.9	9.3	0	-.51	-1.29	-5.62	2315	-89
Melrose	82	48	65.7	7.5	0	-.64	-1.95	-3.66	1962	-336
Olivia	84	50	67.1	8.5	0	-.63	-1.37	-3.78	2113	-225
St. Cloud	84	48	67.2	10.4	0	-.66	-2.82	-4.65	2101	-30
Staples	85	48	68.3	12.9	0	-.60	-2.31	-3.70	1963	32
Willmar	87	51	69.5	10.6	0	-.63	-2.46	-4.29	2254	-82
<u>EC DIST 6</u>										
Aitkin	83	51	67.2	12.6	0	-.67	-2.60	-3.71	1823	1
Forest Lake	87	57	71.3	12.6	0	-.75	-2.95	-8.61	2292	5
Hinckley	82	49	65.2	10.4	0	-.75	-2.96	-2.58	1738	-171
MSP Airport	84	50	70.2	9.7	0	-.60	-2.27	-6.33	2522	21
St. Paul - UofM	84	54	69.5	7.7	0	-.73	-2.62	-9.91	2369	-207
<u>SW DIST 6</u>										
Lamberton	86	48	67.8	8.1	0	-.59	-1.96	-5.82	2255	-179
Marshall	87	51	69.2	8.8	0	-.52	-1.51	-6.26	2310	-178
Redwood Falls	86	50	68.7	7.5	0	-.56	-1.55	-9.04	2406	-174
Worthington	84	47	66.5	7.9	0	-.58	-2.00	-1.87	2150	-132
<u>SC DIST 8</u>										
Faribault	83	50	67.4	8.2	0	-.73	-2.24	-5.46	2193	-133
Mankato	84	50	67.3	7.4	0	-.70	-2.48	-10.67	2183	-245
Waseca	83	50	68.0	8.2	0	-.72	-2.36	-10.18	2178	-193
Winnebago	84	50	67.6	6.7	0	-.58	-2.05	-8.77	2334	-124
<u>SE DIST 9</u>										
Preston	83	47	65.2	6.1	0	-.82	-3.28	-5.80	2107	-132
Red Wing	84	53	68.9	8.8	0	-.82	-2.99	-3.67	2226	-188
Rochester	82	50	66.4	7.9	0	-.71	-3.18	-4.93	2074	-135
Rosemount	82	53	68.0	8.6	0	-.80	-2.89	-6.09	2146	-157

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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