



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

COOL WEATHER CONTINUES

Crop development continued behind the 5-year average pace as average temperatures ranged from 3 to 9° below normal statewide, according to the USDA, NASS Minnesota Field Office. July 2009 was the third coolest July in state history according to the Minnesota Climatology Office. The absence of extreme heat was positive for maturing crops, particularly in drier areas; however, producers noted the need for adequate growing degree days for crop development. Eighty percent of corn was at or beyond the silking stage, 5 percentage points ahead of last year, but 10 points behind the 5-year average. Thirty-three percent of this year's soybean crop was setting pods, compared to 31 percent a year ago and 51 percent average.

Precipitation totals were less than one inch at most reporting stations. Statewide, 54 percent of topsoil was rated adequate for moisture, down slightly from last week's 56 percent.

Harvest of spring wheat and barley was underway, each 2 percent harvested. Oats were 13 percent harvested, 4 points behind last year and 27 points behind average.

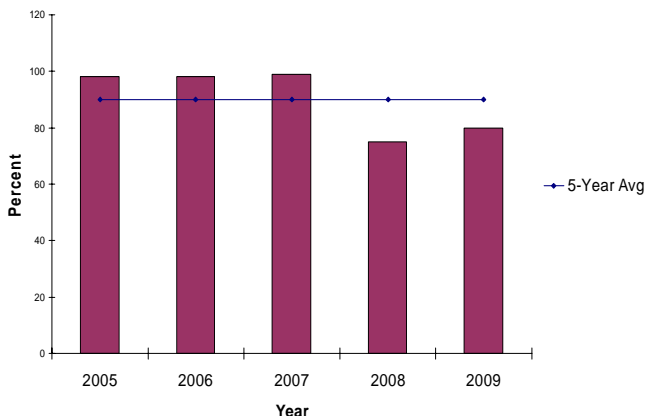
Corn and soybean conditions were relatively unchanged. Corn was rated 74 percent good to excellent compared to 75 percent last week. Soybeans were rated 67 percent good to excellent down 2 points from last week. Producers were spraying for soybean aphid in some areas. Spider mites were reported in drier parts of the state.

Days Suitable for Fieldwork: 5.7				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	13	33	54	0

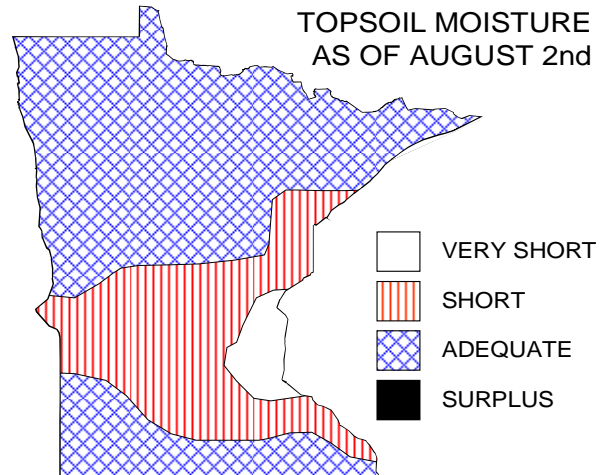
Crop Progress as of August 2, 2009					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Silking	80	45	75	90
	Milk	10	2	9	33
Soybeans	Blooming	77	63	86	90
	Setting Pods	33	12	31	51
Spring Wheat	Turning Ripe	42	24	60	80
	Harvested	2	0	2	12
Oats	Turning Ripe	75	61	78	90
	Harvested	13	5	17	40
Barley	Turning Ripe	35	26	68	85
	Harvested	2	0	4	26
Potatoes	Harvested	2	0	1	3
Sweet Corn	Harvested	4	1	4	10

Condition as of August 2, 2009					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	8	16	33	40	3
Spring Wheat	1	8	23	50	18
Barley	2	9	29	48	12
Oats	3	6	25	54	12
Soybeans	1	6	26	52	15
Corn	1	4	21	56	18
Potatoes	0	2	10	62	26
Canola	0	13	51	35	1
Sunflowers	0	8	33	47	12
Dry Beans	1	6	25	58	10
Sugarbeets	1	2	22	61	14

Corn Silking as of August 2nd



TOPSOIL MOISTURE AS OF AUGUST 2nd



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING August 2, 2009:
 Temperatures averaged from 7.2 degrees below normal in the West Central District to 5.9 degrees below normal in the Southeast, East Central Districts. Extremes: 37 degrees in Browns Valley, 87 degrees in Canby, Redwood Falls. Precipitation averaged from 0.41 inch below normal in the Southeast District to 0.05 inch above normal in the Northwest District. Greatest weekly total of 1.74 inches was recorded in Warroad.

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 7/27/2009 through 8/2/2009

	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	82	47	63.3	-7.0	.22	-.46	.68	1.17	1101	-304
Moorhead	83	46	64.1	-7.3	.20	-.39	-1.73	-4.66	1269	-200
Warroad	76	47	61.0	-7.0	1.74	1.00	-.41	.29	868	-357
<u>NC DIST 2</u>										
Grand Rapids	81	44	60.5	-7.3	.82	-.12	1.64	-2.04	1071	-169
Intl. Falls	75	42	58.8	-7.7	1.32	.63	.75	-2.21	868	-295
Itasca	79	40	60.8	-6.0	.67	-.18	-.14	-2.90	1009	-143
<u>NE DIST 3</u>										
Duluth	80	45	60.6	-5.6	.68	-.24	-.14	-5.74	922	-140
Grand Marais	73	44	58.6	-4.4	1.08	.37	.35	-.85	613	-105
Hibbing	79	40	56.8	-9.5	.42	-.52	-1.40	-4.15	968	-156
<u>WC DIST 4</u>										
Alexandria	83	50	64.7	-5.8	.31	-.42	-2.12	-8.22	1262	-148
Browns Valley	86	37	63.0	-9.8	.31	-.42	-1.57	-3.58	1254	-303
Canby	87	55	69.0	-4.5	.51	-.16	-.41	-5.01	1397	-233
Dalton	85	53	64.8	-6.0	.55	-.18	-1.36	-2.17	1253	-194
Montevideo	85	47	64.8	-7.4	.63	-.09	-.03	-5.75	1320	-235
Morris	84	48	63.4	-8.1	.43	-.41	-2.25	-8.26	1285	-232
<u>CENT DIST 5</u>										
Becker	84	49	66.7	-3.7	.40	-.55	-1.49	-5.35	1377	-67
Collegeville	85	53	66.0	-6.6	.62	-.18	.39	-3.59	1376	-206
Hutchinson	83	51	66.1	-6.0	.14	-.73	-2.42	-7.23	1428	-157
Melrose	81	51	64.3	-7.2	.64	-.15	.01	-4.19	1224	-280
Olivia	83	47	64.6	-6.6	.61	-.14	-.86	-5.67	1323	-227
St. Cloud	84	46	64.2	-5.8	.44	-.33	-.36	-4.12	1279	-125
Staples	81	46	63.8	-4.1	.63	-.12	1.28	-1.88	1164	-100
Willmar	82	51	63.8	-7.6	.40	-.40	-.10	-6.65	1391	-146
<u>EC DIST 6</u>										
Aitkin	82	47	62.0	-5.1	1.18	.18	2.51	-.03	1103	-92
Forest Lake	84	50	66.0	-5.0	.49	-.55	-1.77	-7.58	1373	-125
Hinckley	80	43	60.0	-8.2	1.22	.22	.96	-4.06	1049	-208
MSP Airport	86	56	69.1	-4.3	1.07	.15	-1.22	-6.65	1557	-75
St. Paul - UofM	82	53	66.7	-6.9	.65	-.33	-2.08	-9.06	1481	-196
<u>SW DIST 6</u>										
Lamberton	83	49	64.9	-7.0	.46	-.33	-1.30	-4.51	1386	-225
Marshall	85	53	66.2	-6.7	.56	-.20	-.30	-4.28	1399	-225
Redwood Falls	87	51	67.2	-6.4	.13	-.71	-2.93	-7.78	1502	-191
Worthington	82	49	64.7	-6.2	.37	-.39	1.38	-1.31	1334	-170
<u>SC DIST 8</u>										
Faribault	82	50	65.8	-5.6	.70	-.30	-1.11	-4.84	1349	-175
Mankato	83	49	65.2	-7.1	.64	-.31	-1.92	-8.11	1346	-243
Waseca	82	46	64.4	-6.9	.70	-.36	-2.27	-7.40	1343	-215
Winnebago	85	51	66.8	-5.3	.58	-.37	-1.59	-6.27	1462	-147
<u>SE DIST 9</u>										
Preston	84	46	64.9	-5.6	.39	-.68	-2.16	-3.95	1315	-141
Red Wing	82	51	66.2	-6.2	.41	-.52	-1.26	-5.30	1344	-227
Rochester	79	51	63.8	-6.4	.99	-.06	-.54	-2.51	1289	-154
Rosemount	82	52	65.6	-5.5	.65	-.41	-2.11	-6.66	1305	-199

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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