



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

WARM, DRY WEATHER CONTINUES

The warm weather stretch continued this week, and below average precipitation was received, according to the USDA, NASS, Minnesota Field Office. The southwestern part of the state remained dry, while some central areas of the state received over an inch of rain. As of July 15, topsoil moisture supplies were rated 47 percent adequate to surplus, down from 60 percent the previous week. Condition ratings for both corn and soybeans remained primarily good, however, reporters noted the lack of significant rainfall stressed some fields. Corn condition was rated 2 percent very poor, 7 percent poor, 24 percent fair, 56 percent good, and 11 percent excellent. Soybean condition was rated 1 percent very poor, 8 percent poor, 26 percent fair, 57 percent good, and 8 percent excellent. Statewide, 6.5 days were rated suitable for fieldwork during the week.

Seventy-seven percent of the corn crop was silking and beyond, compared to 8 percent last year and 23 percent for the five year average. Corn was 5 percent in the milk stage. Soybeans were 80 percent blooming, compared to 28 percent last year and 40 percent average. Soybeans were 17 percent setting pods, compared to 1 percent last year and 4 percent average.

Small grain harvest was underway this week, as the ripening of small grain crops continued well ahead of average. Barley was 8 percent harvested, compared to 0 percent last year and 1 percent average. Oats advanced to 19 percent harvested, compared to 0 percent last year, and 2 percent average. Spring wheat was 76 percent turning ripe and 1 percent harvested. The small grains continued to be rated in primarily fair to good condition.

Other harvesting activity included sweet corn, at 3 percent harvested, compared to 0 percent last year and 0 percent average.

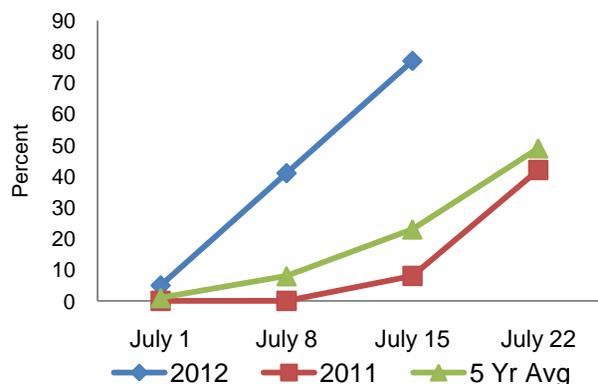
Range and pasture condition was rated 70 percent in fair to good condition compared to 78 percent fair to good the previous week.

Days Suitable for Fieldwork: 6.5				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	18	35	42	5

Crop Progress as of July 15, 2012					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
					----- Percent -----
Oats	Turning Ripe	87	69	16	42
Oats	Harvested	19	6	0	2
Spring Wheat	Turning Ripe	76	62	8	24
Spring Wheat	Harvested	1	0	0	0
Barley	Turning Ripe	87	70	14	30
Barley	Harvested	8	3	0	1
Corn	Height	74	64	50	60
Corn	Silking	77	41	8	23
Corn	Milk	5	1	0	0
Soybeans	Height	21	17	13	17
Soybeans	Blooming	80	57	28	40
Soybeans	Setting Pods	17	3	1	4
Sweet Corn	Harvested	3	NA	0	0
Dry Beans	Blooming	71	33	17	NA
Dry Beans	Setting Pods	11	1	0	NA

Condition as of July 15, 2012					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	9	16	32	38	5
Oats	1	6	23	61	9
Barley	1	4	26	58	11
Spring Wheat	2	7	26	53	12
Sugarbeets	1	2	21	61	15
Sunflowers	0	1	18	62	19
Corn	2	7	24	56	11
Soybeans	1	8	26	57	8
Potatoes	0	1	11	56	32
Canola	0	6	34	45	15
Dry Beans	1	5	29	55	10

Corn Silking



The following links provides further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:

<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:

<http://www.nws.noaa.gov/view/states.php?state=MN>

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 15, 2012:
 Temperatures averaged from 2.7 degrees above normal in the South Central District to 6.5 degrees above normal in the Northeast District. Extremes: 46 degrees in Hibbing; 94 degrees in Redwood Falls. Average precipitation ranged from 0.80 inch below normal in the Northeast District to 0.65 inch above normal in the North Central District. Greatest weekly total of 2.93 inches was recorded in International Falls.

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 7/9/2012 through 7/15/2012

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Since Norm 4/1	Since Apr 30	Depart from Norm
<u>NW DIST 1</u>										
Crookston	91	57	76.1	7.1	.14	-.52	-1.53	-3.12	1258	238
Itasca	89	53	73.1	6.5	.78	-.11	-.70m	-1.49m	979m	111m
Moorhead	93	55	77.6	6.7	.04	-.60	-1.57	-2.57	1382	264
Warroad	90	56	72.2	5.1	1.41	.53	-.36	-.35	992	110
<u>NC DIST 2</u>										
Grand Rapids	89	53	72.2	4.2	.25	-.75	4.18	9.36	1110	163
Intl. Falls	89	48	69.2	4.0	2.93	2.06	1.07	.31	1012	194
<u>NE DIST 3</u>										
Duluth	89	53	73.2	7.5	0	-.88	4.75	9.34	1056	276
Grand Marais	79	56	68.4	7.4	0	-.72	-.69	1.38	655	141
Hibbing	88	46	68.6	4.5	.24	-.79	.69	5.90	979	240
<u>WC DIST 4</u>										
Alexandria	91	61	76.4	5.8	0	-.77	-1.82	2.33	1271	199
Breckenridge	92	58	75.4	4.7	.15	-.71	-1.09	-.28	1282	176
Browns Valley	92	56	75.0	3.7	.63	-.17	-1.24	-1.87	1282	169
Canby	M	M	M	M	M	M	-1.38m	.15m	1092m	-108m
Montevideo	91	53	74.0	2.4	0	-.84	-.90	3.59	1383	218
Morris	86	58	73.3	2.8	0	-.89	-1.85	-2.18	1295	184
Wheaton	90	61	75.5	3.9	.26	-.48	-.43	-.60	1299	162
<u>CENT DIST 5</u>										
Becker	91	59	75.2	4.0	.13	-.88	-1.48	5.08	1366	214
Collegeville	91	57	75.5	3.1	0	-.81	-2.39	4.08	1389	187
Hutchinson	90	61	74.8	2.7	.35	-.42	1.60	7.02	1403	210
Melrose	91	57	74.2	4.2	.09	-.73	-2.18	2.06	1287	220
Olivia	92	60	76.1	4.7	0	-.81	-1.40	.72	1391	218
St. Cloud	93	56	74.6	4.2	.07	-.67	-1.89	3.23	1333	253
Wadena	87	56	72.0	4.4	.17	-.67	1.21	5.62	1118	177
Willmar	90	57	74.5	2.5	0	-.86	.14	1.37	1342	147
<u>EC DIST 6</u>										
Aitkin	88	57	73.8	6.3	.96	-.02	7.16	14.92	1158	239
Forest Lake	91	60	75.8	4.1	1.51	.50	.09	6.29	1366	195
MSP Airport	91	65	78.8	4.9	1.00	.10	-1.37	5.33	1520	260
Mora	87	56	72.8	3.6	1.09	.18	1.60	7.96	1229	206
St. Paul - UofM	90	58	75.8	4.1	.54	-.47	-1.13	2.83	1403	232
<u>SW DIST 7</u>										
Lamberton	91	57	75.1	3.2	.15	-.70	-2.84	2.11	1437	223
Marshall	92	62	76.6	4.0	0	-.84	-1.72m	.45m	1491	276
Pipestone	91	56	74.1	2.7	0	-.77	-1.96	5.54	1335	192
Redwood Falls	94	59	76.8	4.1	0	-.81	-2.28	2.94	1474	230
Worthington	92	54	74.1	2.5	0	-.82	-3.62	-.43	1407	235
<u>SC DIST 8</u>										
North Mankato	89	60	75.0	2.7	.24	-.74	-3.99	-2.51	1412	199
Owatonna	88	58	74.7	2.7	.32	-.72	-1.92	4.58	1444	251
Waseca	88	57	74.0	1.9	.16	-.82	-2.84	-1.17	1418	186
Winnebago	89	61	75.8	3.4	.46	-.49	-2.29	1.36	1477	244
<u>SE DIST 9</u>										
Cannon Falls	M	M	M	M	M	M	1.99m	12.15m	966m	-176m
Preston	90	53	73.3	2.4	.23	-.74	-2.95	-5.12	1409	289
Red Wing	91	60	76.0	3.5	1.47	.63	2.58	9.09	1457	257
Rochester	89	59	74.4	2.9	.96	-.06	-1.42	-2.07	1463	281
Rosemount	90	61	76.2	4.6	.64	-.36	-.46	3.63	1409	243
Winona Dam	93	61	76.2	4.4	.49	-.46	-1.53	-2.62	1430	267

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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