



# 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 TEMPERATURES, HARVEST CONTINUES

Scattered showers and cooler temperatures moved into the region this past week, according to the USDA, NASS, Minnesota Field Office. Statewide, average temperatures were 5.7° below normal and precipitation amounts varied. Some areas remained dry, while over an inch and a half of precipitation was recorded at a few reporting stations across the state. As of August 19, topsoil moisture supplies were rated 16 percent very short, 38 percent short, 45 percent adequate, and 1 percent surplus. Statewide, 6.1 days were rated suitable for fieldwork during the week.

Spring wheat harvest reached 99 percent complete. Other harvest activities included sweet corn at 63 percent complete, potatoes at 15 percent complete, and canola at 39 percent complete. Sugarbeet harvest was underway at 2 percent complete.

Corn progress continued ahead of the five-year average pace. Corn was 92 percent in the dough stage or beyond, compared to 46 percent average. Fifty percent of corn was in the dent stage, compared to 15 percent average. Corn condition was rated 77 percent fair to good, unchanged from the previous week. Corn harvested for silage was 16 percent complete, compared to 4 percent average.

Soybeans were 97 percent setting pods or beyond, compared to 89 percent average. Six percent of soybeans were turning yellow, compared to 2 percent average. Soybeans were rated 81 percent in fair to good condition, compared to 80 percent the previous week.

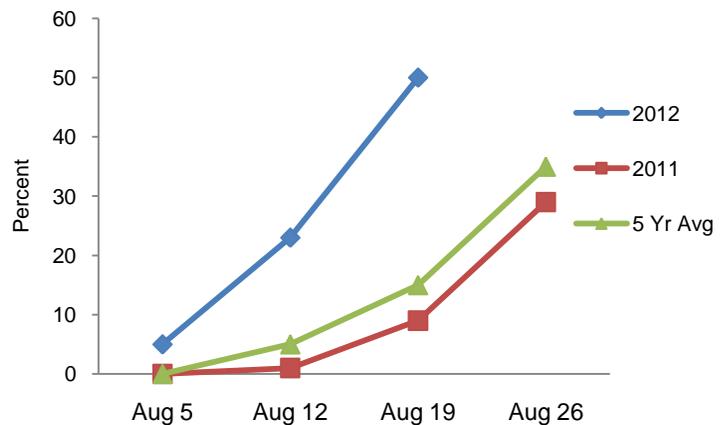
Range and pasture condition was rated 17 percent very poor, 21 percent poor, 29 percent fair, 30 percent good, and 3 percent excellent, relatively steady from the previous week.

Days Suitable for Fieldwork: 6.1				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	16	38	45	1

Crop Progress as of August 19, 2012					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Spring Wheat	Harvested	99	92	45	49
Corn	Dough	92	74	46	46
Corn	Dent	50	23	9	15
Corn Silage	Harvested	16	8	1	4
Soybeans	Setting Pods	97	94	81	89
Soybeans	Turning Yellow	6	2	0	2
Sweet Corn	Harvested	63	49	38	35
Potatoes	Harvested	15	11	11	15
Canola	Harvested	39	23	15	21
Sugarbeets	Harvested	2	NA	0	0
Dry Beans	Fully Podded	94	75	45	NA
Dry Beans	Leaves Yellowing	61	23	8	NA
Dry Beans	Dropping Leaves	6	NA	0	NA

Condition as of August 19, 2012					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	17	21	29	30	3
Sugarbeets	1	3	20	64	12
Sunflowers	0	2	19	64	15
Corn	4	11	33	44	8
Soybeans	2	9	30	51	8
Potatoes	0	2	14	55	29
Canola	0	1	29	43	27
Dry Beans	2	5	28	55	10

### Corn in Dent Stage or Beyond



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 August 19, 2012:  
 Temperatures averaged from 7.0 degrees below normal in the West Central District to 3.6 degrees below normal in the Northeast District. Extremes: 34 degrees in Hibbing; 89 degrees in Canby. Average precipitation ranged from 0.66 inch below normal in the South Central District to 0.26 inch above normal in the North Central District. Greatest weekly total of 1.79 inches was recorded in Rosemount.

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 8/13/2012 through 8/19/2012

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Four Weeks	From Norm Since 4/1	Since Apr 30	Depart from Norm	
<u>NW DIST 1</u>										
Crookston	81	39	62.8	-5.2	.13	-.64	.39	-3.37	1960	268
Itasca	80	39	61.8	-3.6	1.03	.28	1.94m	.42m	1428m	-36m
Moorhead	83	44	64.4	-5.3	.01	-.57	1.10	-1.98	2122	276
Warroad	75	41	58.8	-6.7	.86	.15	1.13	.72	1569	83
<u>NC DIST 2</u>										
Grand Rapids	81	41	60.8	-5.8	.30	-.45	1.93	10.44	1748	164
Intl. Falls	77	37	56.5	-7.2	1.58	.97	1.49	1.13	1566	200
<u>NE DIST 3</u>										
Duluth	78	42	61.4	-3.2	.35	-.47	.34	8.84	1677	323
Grand Marais	77	50	62.5	-1.1	.31	-.29	3.44	4.34	1224	205
Hibbing	79	34	56.2	-6.6	.60	-.08	.11	5.58	1528	270
<u>WC DIST 4</u>										
Alexandria	79	47	63.5	-5.2	.10	-.72	-.44	2.54	2000	221
Breckenridge	81	46	63.7	-5.3	.41	-.26	.82	.05	2001	182
Browns Valley	85	41	61.9	-7.4	.29	-.38	-.63	-1.70	1988	150
Canby	89	46	62.0	-8.6	.61	.00	-.59	-1.11	2161	199
Montevideo	88	44	62.3	-7.3	.35	-.41	-.90	1.96	2118	221
Morris	83	45	61.2	-7.2	.69	-.06	.28	-1.24	1999	191
Wheaton	82	48	62.2	-7.6	.72	.10	2.60	2.15	2011	136
<u>CENT DIST 5</u>										
Becker	80	51	64.8	-4.2	.40	-.49	-1.23	4.85	2118	250
Collegeville	79	49	65.0	-5.4	0	-.90	-2.25	2.87	2139	179
Hutchinson	83	44	62.6	-6.8	.23	-.81	-1.39	4.82	2161	232
Melrose	79	43	62.2	-5.4	.04	-.82	-1.40	3.07	1997	253
Olivia	79	43	60.0	-8.9	.75	-.04	.21	.29	2102	214
St. Cloud	81	43	63.2	-4.9	.11	-.76	-1.71	2.78	2069	297
Wadena	77	41	61.4	-4.7	.05	-.65	1.67	6.66	1769	209
Willmar	83	44	61.0	-8.6	.75	-.20	-.47	.31	2055	123
<u>EC DIST 6</u>										
Aitkin	79	43	60.8	-4.7	.71	.01	1.01	15.21	1830	301
Forest Lake	83	45	64.2	-5.9	.12	-.75	-2.09	5.83	2116	203
MSP Airport	83	50	67.4	-4.1	.75	-.25	-.36	5.13	2349	300
Mora	80	41	62.6	-4.9	.17	-.68	-2.55	5.94	1919	231
St. Paul - UofM	82	47	65.4	-4.7	.55	-.32	-1.23	2.70	2198	285
<u>SW DIST 7</u>										
Lamberton	82	46	62.0	-7.4	.49	-.34	-.29	1.22	2179	237
Marshall	85	46	64.5	-5.9	.31	-.45	-.80	.20	2280	308
Pipestone	83	38	62.0	-7.5	.17	-.53	-1.11	3.77	2074	204
Redwood Falls	84	46	65.3	-5.0	0	-.85	-.02	2.29	2258	258
Worthington	85	45	63.0	-6.0	.24	-.63	-.61	-1.77	2151	258
<u>SC DIST 8</u>										
North Mankato	86	51	65.2	-5.0	0	-.96	-1.98	-5.18	2186	225
Owatonna	83	46	63.6	-6.4	.37	-.71	-.92	3.18	2210	278
Waseca	83	41	61.8	-8.3	.37	-.73	-2.26	-3.18	2160	187
Winnebago	83	48	63.5	-6.7	.73	-.26	-1.52	-.60	2246	264
<u>SE DIST 9</u>										
Cannon Falls	M	M	M	M	M	M	-.95m	11.38m	1415m	-442m
Preston	80	43	63.2	-6.1	.33	-.78	1.20	-4.18	2125	287
Red Wing	82	50	65.8	-4.5	1.62	.63	.10	9.54	2232	276
Rochester	80	47	64.6	-4.8	.14	-.90	-.25	-2.96	2202	296
Rosemount	81	47	64.8	-4.8	1.79	.70	2.42	5.68	2162	266
Winona Dam	81	51	66.2	-4.3	.94	-.08	-.11	-3.45	2203	290

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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