



# 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

## PRODUCERS MAKE SIGNIFICANT PLANTING PROGRESS

Several consecutive days of warm, dry conditions this past week allowed producers to make significant planting progress, according to the USDA, NASS, Minnesota Field Office. As of May 22, producers rated 4.7 days suitable for fieldwork, the highest number so far this year. Sunny skies helped dry soggy soils and promote crop development. A few reporters noted that farmers were out in full force during the past week.

Spring wheat planted advanced 41 percentage points from the previous week to 80 percent planted, and corn advanced 34 points to 81 percent planted. Other crops that advanced at least 49 points from the previous week included barley at 76 percent planted, sugarbeets at 80 percent planted, and canola at 70 percent planted.

Soybeans were 38 percent planted, compared to 76 percent last year and 68 percent for the five-year average. Oats were 83 percent planted, compared to 100 percent last year and 94 percent average. Oat condition ratings were 1 percent poor, 33 percent fair, 49 percent good, and 17 percent excellent.

The statewide average temperature was 57.3°, nearly average for the week. Sunny skies and seasonable temperatures prevailed for a greater part of the week; however, several rounds of scattered showers and thunderstorm moved in over the weekend, including reports of localized hail. Thunderstorms generated numerous tornado and funnel cloud reports in and around the Twin Cities Metropolitan area on Sunday. Statewide precipitation was .55 inch above normal. Topsoil moisture supplies were rated 1 percent short, 64 percent adequate, and 35 percent surplus.

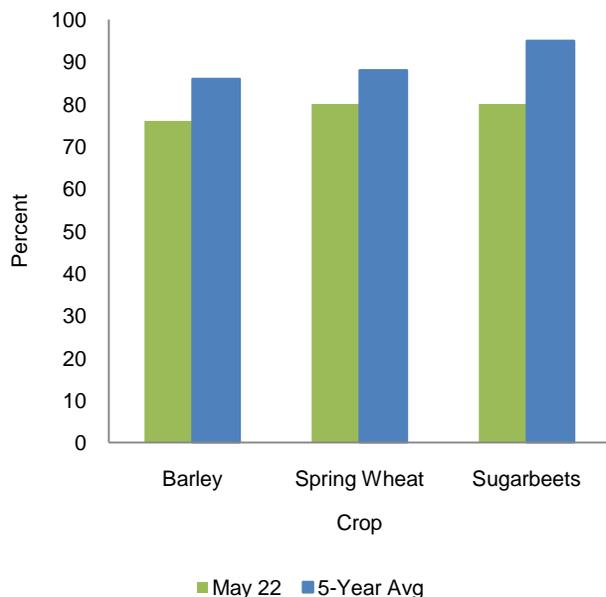
Pasture condition was rated 3 percent poor, 19 percent fair, 57 percent good, and 21 percent excellent, an improvement from the previous week.

Days Suitable for Fieldwork: 4.7				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	1	64	35

Crop Progress as of May 22, 2011					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Land Prepared	89	59	100	96
	Planted	81	47	98	93
	Emerged	23	1	74	60
Soybeans	Land Prepared	54	17	88	80
	Planted	38	9	76	68
	Emerged	1	NA	20	17
Oats	Planted	83	54	100	94
	Emerged	49	15	98	79
Spring Wheat	Planted	80	39	100	88
	Emerged	39	5	98	66
Barley	Planted	76	22	100	86
	Emerged	33	6	97	65
Canola	Planted	70	17	97	67
Green Peas	Planted	69	38	95	83
Sweet Corn	Planted	24	10	45	43
Dry Beans	Planted	23	4	44	44
Potatoes	Planted	82	61	91	88
Sunflowers	Planted	27	3	59	50
Sugarbeets	Planted	80	31	100	95
Alfalfa	1st Cutting	0	NA	20	6

Condition as of May 22, 2011					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	0	3	19	57	21
Oats	0	1	33	49	17

Planted: May 22 vs. 5-Year Avg



The following links provide 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 May 22, 2011:  
 Temperatures averaged from 2.8 degrees below normal in the Southwest District to 2.6 degrees above normal in the North Central District. Extremes: 26 degrees in Hibbing; 78 degrees in Crookston, Moorhead, International Falls. Average precipitation ranged from 0.05 inch below normal in the Southeast District to 1.42 inches above normal in the East Central District. Greatest weekly total of 2.59 inches was recorded at the Minneapolis Airport.

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 5/16/2011 through 5/22/2011

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Four Weeks	From Norm Since 4/1	Since May 17	Depart from Norm	
<u>NW DIST 1</u>										
Crookston	78	40	60.8	3.0	.55	-.03	-.70	.16	84	20
Itasca	76	31	55.4	1.4	1.77	1.11	1.02	2.66	69	21
Moorhead	78	37	60.4	1.7	1.02	.40	1.01	1.94	79	12
Warroad	75	35	57.8	3.4	1.44	.87	1.21	2.77	68	17
<u>NC DIST 2</u>										
Grand Rapids	75	31	57.6	2.0	.72	.04	.75	1.09	70	16
Intl. Falls	78	29	57.9	3.2	.50	-.10	-.25	1.51	73	22
<u>NE DIST 3</u>										
Duluth	72	33	54.1	1.0	.82	.14	.80	1.20	47	4
Grand Marais	69	34	49.5	1.6	.95	.35	.64	.94	35	10
Hibbing	75	26	54.0	-.0	.38	-.23	.25	.69	61	13
<u>WC DIST 4</u>										
Alexandria	71	40	57.8	.2	.93	.22	.32	-.07	62	0
Browns Valley	73	33	55.5	-4.0	.78	.24	.36	-.12	64	-6
Canby	75	34	56.2	-4.1	.98	.31	1.08	.33	61	-12
Montevideo	75	38	58.5	-1.0	.83	.10	.50	.12	70	0
Morris	72	39	57.8	-1.4	1.27	.61	1.57	.92	64	-5
Wheaton	73	40	58.7	-.2	.78	.20	-.04	-.30	71	4
<u>CENT DIST 5</u>										
Becker	74	40	58.5	.2	2.09	1.29	2.86	2.98	72	7
Collegeville	M	M	M	M	M	M	.21m	-.23m	M	M
Hutchinson	72	39	57.1	-2.6	1.58	.86	2.72	3.28	62	-9
Melrose	70	36	57.6	-1.1	1.19	.43	1.54	1.05	67	0
Olivia	72	34	57.5	-2.2	1.34	.63	2.80	2.59	66	-5
St. Cloud	74	34	58.3	.5	2.40	1.72	2.58	2.03	72	9
Wadena	74	35	56.8	.7	1.01	.31	.17	.43	66	9
Willmar	72	36	56.5	-2.1	1.16	.41	1.54	1.68	61	-5
<u>EC DIST 6</u>										
Aitkin	73	31	57.2	2.3	2.37	1.65	2.86	3.11	63	11
Forest Lake	76	35	58.2	-.8	2.13	1.33	2.90	2.38	77	8
Hinckley	73	30	55.0	-.5	1.77	.99	2.05	1.67	65	12
MSP Airport	73	40	61.8	1.3	2.59	1.84	2.85	1.85	83	9
St. Paul - UofM	73	39	59.4	-.6	2.17	1.30	2.35	1.39	73	1
<u>SW DIST 7</u>										
Lamberton	76	36	58.0	-2.3	1.52	.78	1.83	1.22	72	-2
Marshall	75	27	54.8	-5.5	.99	.27	.81	.90	66	-8
Pipestone	75	33	55.8	-3.2	2.04	1.27	2.03	2.70	61	-7
Redwood Falls	76	41	60.2	-1.4	1.63	.92	2.26	3.30	76	-4
Worthington	76	32	56.2	-2.4	1.62	.85	.99	1.38	64	-3
<u>SC DIST 8</u>										
Faribault	74	36	53.2	-5.5	1.25	.39	1.52	1.48	61	-6
North Mankato	72	38	57.4	-2.5	1.69	.88	1.57	.67	65	-8
Waseca	74	38	59.4	-.3	1.40	.49	.48	1.08	71	-1
Winnebago	76	38	59.3	-.7	2.32	1.41	1.09	1.40	77	3
<u>SE DIST 9</u>										
Preston	75	31	57.0	-.8	.72	-.17	.41	.81	70	7
Red Wing	73	41	59.2	-.5	1.06	.26	.56	-.37	74	3
Rochester	74	38	59.8	1.7	1.30	.50	1.10	1.34	77	13
Rosemount	73	36	59.0	.4	0m	-.93m	-.10m	3.94m	73	7
Winona	75	40	58.4	-1.4	.37	-.47	-1.08	-.76	70	-1

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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