



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

FIELDWORK SLOWS

Wet weather moved across the majority of the state this past week, bringing rainfall to most reporting stations and limiting fieldwork, according to the USDA, NASS, Minnesota Field Office. As of May 27, rain in northwestern areas was welcomed, while the rainfall in southwestern areas saturated many fields. Rainfall amounts ranged from nearly a half inch in Canby, to 5.59 inches reported in Aitkin. Topsoil moisture supplies were rated 2 percent very short, 9 percent short, 68 percent adequate and 21 percent surplus across the state, an increase from the previous week. Statewide, 3.4 days were rated suitable for fieldwork.

Corn was 94 percent emerged with an average height of 4 inches. Corn condition was rated 2 percent poor, 14 percent fair, 67 percent good and 17 percent excellent. Soybeans planted advanced to 94 percent and 41 percent emerged, both ahead of last year and average.

Forty-seven percent of spring wheat and 32 percent of barley was jointed. Spring wheat and barley were both 1 percent headed. Fifty-one percent of oats was jointed with 4 percent headed. Small grain condition ratings were mostly fair to excellent, relatively unchanged from last week.

Progress for other crops continued ahead of average. Dry beans planted advanced to 79 percent complete, compared to 36 percent last year and 58 percent average. Thirty-one percent of dry beans were emerged. Sunflowers were 94 percent planted, compared to 39 percent last year and 65 percent average. Sweet corn planting was 54 percent complete, ahead of last year and average.

The first cutting of alfalfa advanced to 40 percent complete, compared to 1 percent last year and 12 percent average. Alfalfa condition was rated 1 percent very poor, 4 percent poor, 22 percent fair, 63 percent good and 10 percent excellent. Pasture and range condition was rated 1 percent very poor, 6 percent poor, 22 percent fair, 57 percent good and 14 percent excellent.

Days Suitable for Fieldwork: 3.4				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	2	9	68	21

Crop Progress as of May 27, 2012					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Oats	Emerged	99	96	67	83
Oats	Jointed	51	33	4	13
Oats	Headed	4	2	0	0
Spring Wheat	Jointed	47	15	6	7
Spring Wheat	Headed	1	NA	0	0
Barley	Emerged	100	96	53	74
Barley	Jointed	32	16	2	6
Barley	Headed	1	NA	0	0
Corn	Emerged	94	76	45	70
Corn	Height	4	NA	0	2
Soybeans	Planted	94	81	49	78
Soybeans	Emerged	41	26	9	33
Sunflowers	Planted	94	73	39	65
Potatoes	Planted	97	94	88	92
Dry Beans	Planted	79	62	36	58
Dry Beans	Emerged	31	NA	0	NA
Sweet Corn	Planted	54	40	28	49
Green Peas	Planted	96	91	73	87
Alfalfa	First Cutting	40	26	1	12

Condition as of May 27, 2012					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	1	6	22	57	14
Oats	1	1	18	69	11
Barley	1	1	20	64	14
Spring Wheat	1	1	17	66	15
Sugarbeets	3	5	24	61	7
Corn	0	2	14	67	17
Potatoes	0	1	17	71	11
Canola	0	10	77	10	3
Alfalfa	1	4	22	63	10
Green Peas	0	2	27	68	3

Special Note:

Coming soon - NASS's annual June surveys on crops and livestock. In the first two weeks of June, NASS will survey about 140,000 United States producers and will visit 42,000 tracts of farm land to collect information. One of USDA's largest survey efforts, the responses will provide the foundation for estimates in the upcoming growing year. With both data collection and data release taking place over a span of only four weeks, the results will be available beginning on June 29 in the *Acreage* and other reports. **Farmers should watch for their survey and be sure to respond. Your information matters!**

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 May 27, 2012:

Temperatures averaged from 0.2 degree below normal in the North Central District to 4.1 degrees above normal in the Southeast District. Extremes: 29 degrees in International Falls; 93 degrees in Moorhead. Average precipitation ranged from 0.46 inch above normal in the Northwest District to 3.82 inches above normal in the East Central District. Greatest weekly total of 5.59 inches was recorded in Aitkin.

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 5/21/2012 through 5/27/2012

	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	88	39	59.2	1.1	.81	.05	-.96	-1.14	314	84
Itasca	82	38	56.4	1.1	1.28	.46	-.27	1.18	289	108
Moorhead	93	39	62.9	2.9	2.71	1.97	.59	.39	374	114
Warroad	74	36	53.5	-1.8	.83	.06	-.82m	-.69m	247	66
<u>NC DIST 2</u>										
Grand Rapids	78	35	56.9	-.1	3.72	2.94	3.42	5.65	265	57
Intl. Falls	75	29	54.3	-.3	1.79	1.06	-.05	.12	250	73
<u>NE DIST 3</u>										
Duluth	71	39	55.4	1.3	4.10	3.31	3.04	4.40	238	76
Grand Marais	67	42	52.2	3.4	3.80	3.16	2.71	3.50	109	10
Hibbing	72	30	55.0	1.7	3.60	2.94	3.26	4.72	246	90
<u>WC DIST 4</u>										
Alexandria	84	45	60.5	1.5	3.59	2.89	3.10	4.70	309	66
Breckenridge	87	43	60.3	.1	1.49	.75	.01	1.80	324	63
Browns Valley	87	41	59.2	-.5	.80	.17	-.42	1.56	326	72
Canby	84	46	62.4	1.4	.46	-.26	2.20	3.07	351	75
Montevideo	87	46	61.4	.8	1.98	1.23	3.08	3.89	361	90
Morris	86	43	59.0	-.9	2.81	2.12	1.42	1.73	313	56
Wheaton	87	44	59.3	-.9	1.19	.52	-.37	1.56	317	59
<u>CENT DIST 5</u>										
Becker	85	44	62.2	1.3	3.71	2.88	6.78	5.65	342	57
Collegeville	87	40	62.0	.6	2.45	1.60	4.20	4.45	376	88
Hutchinson	86	45	61.9	1.0	3.28m	2.49m	5.09m	5.46m	364	88
Melrose	84	43	60.6	1.5	1.82	1.03	3.42	3.48	314	69
Olivia	87	44	61.6	.9	1.73	.99	3.14	2.70	361	87
St. Cloud	87	41	62.6	3.3	3.59	2.86	5.94	6.06	349	101
Wadena	85	42	58.0	1.0	4.18	3.35	4.35	6.24	271	63
Willmar	85	44	60.4	-.7	1.51	.72	3.87	3.49	332	51
<u>EC DIST 6</u>										
Aitkin	82	36	58.4	2.3	5.59	4.82	5.89	6.64	272	71
Forest Lake	84	44	60.4	-.1	4.70	3.81	6.89	6.78	351	82
MSP Airport	92	47	67.0	5.1	4.36	3.54	6.20	6.67	396	101
Mora	82	39	58.8	.5	4.36	3.59	6.23	6.61	302	70
St. Paul - UofM	86	44	63.6	3.1	4.24	3.35	4.50	4.17	354	85
<u>SW DIST 7</u>										
Lamberton	87	48	63.5	2.1	2.83	2.06	5.24	5.01	377	93
Marshall	86	50	64.0	2.6	1.28	.48	3.78	3.29	381	98
Pipestone	82	43	60.5	.3	2.85	2.06	7.13	9.27	339	72
Redwood Falls	88	48	65.0	3.1	3.72	2.93	6.54	6.56	399	103
Worthington	86	47	63.1	2.6	2.46	1.61	3.18	3.56	374	106
<u>SC DIST 8</u>										
North Mankato	89	44	63.8	2.5	3.39	2.54	3.74	3.52	373	86
Owatonna	89	42	64.9	4.4	2.94	1.97	4.24	4.11	379	106
Waseca	91	42	63.8	2.1	2.12	1.18	1.81	.97	370	78
Winnebago	90	46	65.1	3.4	1.95	1.01	3.11	3.51	392	101
<u>SE DIST 9</u>										
Cannon Falls	87	40	62.6	2.9	2.25	1.33	2.82	3.72	346	92
Preston	85	36	64.8	5.1	1.77	.84	.85	.58	387	135
Red Wing	87	42	64.0	2.8	1.84	.99	2.69	2.35	382	99
Rochester	89	44	67.0	6.1	2.16	1.30	1.29	.82	399	124
Rosemount	88	44	63.3	2.8	1.17	.19	3.51	3.53	358	90
Winona Dam	82	46	63.8	3.6	1.25	.44	1.26	.31	361	100

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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