



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

PRECIPITATION SLOWS PLANTING PROGRESS AGAIN

Steady rain and cool, cloudy conditions slowed planting progress, according to the USDA, NASS, Minnesota Field Office. Many reporters noted that it has been a tough, wet spring for planting. Planting progress was highly variable with only a few available days at a time. Cool temperatures slowed recovery from heavy rains, and many fields were still wet with some ponding. As of May 29, 2.7 days were rated suitable for fieldwork statewide. Topsoil moisture supplies were rated 55 percent adequate and 45 percent surplus, compared to 64 percent adequate and 35 percent surplus the previous week.

Below average temperatures prevailed again this past week. The statewide average temperature was 55.1°, 4.7° below normal. A frost advisory was in place Thursday for northern areas. Statewide average rainfall was 1 inch, .2 inch above normal. Weekend weather featured plenty of clouds, scattered showers, and localized thunderstorms. Some areas along the Minnesota and Crow Rivers are once again under flood warning from new rainfall.

Corn was 88 percent planted, compared to 100 percent last year and 98 percent for the five-year average. In the first condition ratings of the season, corn was rated 3 percent poor, 32 percent fair, 55 percent good, and 10 percent excellent.

Soybeans were 53 percent planted, compared to 93 percent last year and 89 percent average. Small grain planting neared completion with spring wheat and barley at 92 percent planted and oats at 93 percent planted.

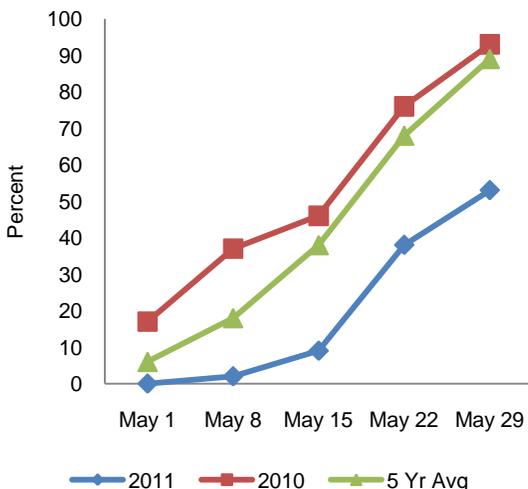
Pasture condition was rated 3 percent poor, 18 percent fair, 61 percent good, and 18 percent excellent.

Days Suitable for Fieldwork: 2.7				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	0	55	45

Crop Progress as of May 29, 2011					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Land Prepared	92	89	100	99
	Planted	88	81	100	98
	Emerged	54	23	92	82
Soybeans	Land Prepared	66	54	99	94
	Planted	53	38	93	89
	Emerged	12	1	55	45
Oats	Planted	93	83	100	98
	Emerged	74	49	100	90
	Jointed	6	NA	47	18
Spring Wheat	Planted	92	80	100	96
	Emerged	65	39	99	82
	Jointed	8	NA	23	9
Barley	Planted	92	76	100	95
	Emerged	61	33	99	82
	Jointed	3	NA	24	9
Canola	Planted	78	70	100	85
Green Peas	Planted	74	69	99	91
Sweet Corn	Planted	29	24	60	59
Dry Beans	Planted	41	23	69	70
Potatoes	Planted	90	82	96	94
Sunflowers	Planted	44	27	83	75
Sugarbeets	Planted	90	80	100	98
Alfalfa	1st Cutting	2	0	44	21

Condition as of May 29, 2011					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	0	3	18	61	18
Oats	1	2	37	48	12
Corn	0	3	32	55	10
Barley	1	1	24	60	14
Spring Wheat	0	1	27	61	11

Soybeans Planted



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 29, 2011:
 Temperatures averaged from 6.2 degrees below normal in the Northwest,
 North Central Districts to 2.8 degrees below normal in the Southeast
 District. Extremes: 26 degrees in Hibbing; 76 degrees in Forest Lake,
 Pipestone, Winnebago, Winona. Average precipitation ranged from 0.18 inch
 below normal in the Northeast District to 0.56 inch above normal in the
 South Central District. Greatest weekly total of 3.31 inches was recorded
 in Preston.

For a map of Minnesota's
 precipitation, please see
 the Minnesota Climatology
 Group's website;
[http://climate.umn.edu/
 doc/weekmap.asp](http://climate.umn.edu/doc/weekmap.asp).

Precipitation and Temperature Summary for 5/23/2011 through 5/29/2011

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Week 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	73	31	53.8	-6.4	.41	-.25	-.79	-.09	138	-10
Itasca	71	30	52.8	-3.6	1.00	.23	1.18	2.89	123	9
Moorhead	67	33	53.7	-7.3	.59	-.11	1.24	1.83	127	-28
Warroad	66	35	50.9	-6.2	.56	-.10	.36	2.67	106	-14
<u>NC DIST 2</u>										
Grand Rapids	68	34	53.4	-4.4	.55	-.24	-.43	.85	123	-3
Intl. Falls	67	28	48.9	-8.0	.79	.08	-.76	1.59	117	-2
<u>NE DIST 3</u>										
Duluth	71	33	49.8	-5.3	.26	-.51	-.93	.69	84	-16
Grand Marais	66	31	43.7	-5.6	.78	.11	.13	1.05	49	-9
Hibbing	67	26	49.5	-6.7	.57	-.15	-.76	.55	110	-2
<u>WC DIST 4</u>										
Alexandria	70	43	55.6	-4.3	.88	.06	.48	-.01	114	-31
Browns Valley	68	39	53.8	-8.0	1.20	.60	1.10	.48	112	-51
Canby	72	41	56.9	-5.9	1.18	.42	1.05	.75	122	-49
Montevideo	72	40	56.5	-5.5	1.55	.73	1.25	.85	132	-31
Morris	68	40	55.6	-6.0	1.72	.98	2.68	1.91	121	-40
Wheaton	69	38	54.6	-6.8	1.16	.49	.72	.18	124	-33
<u>CENT DIST 5</u>										
Becker	74	43	58.5	-2.0	.51	-.37	1.59	2.61	143	-8
Collegeville	75	45	60.2	-2.4	1.09	.16	2.27	2.53	157	-13
Hutchinson	75	45	57.3	-4.9	1.52	.70	3.81	5.50	127	-38
Melrose	72	42	56.8	-4.4	1.49	.64	1.58	1.69	130	-26
Olivia	74	36	55.4	-6.8	1.24	.42	2.70	3.02	127	-39
St. Cloud	74	42	57.1	-2.9	.29	-.52	1.56	1.51	137	-9
Wadena	71	37	54.7	-3.7	1.13	.33	.35	.76	121	-11
Willmar	73	44	58.0	-3.1	1.15	.25	1.31	1.93	128	-26
<u>EC DIST 6</u>										
Aitkin	72	37	54.8	-2.4	1.59	.79	2.70	3.90	128	7
Forest Lake	76	42	59.2	-2.1	1.10	.21	2.08	2.59	153	-6
Hinckley	71	35	53.4	-4.4	1.22	.37	1.48	2.04	119	-6
MSP Airport	75	45	59.4	-3.4	.50	-.34	1.11	1.52	154	-18
St. Paul - UofM	73	40	57.2	-5.2	.87	-.10	.64	1.29	135	-33
<u>SW DIST 7</u>										
Lamberton	73	42	58.8	-4.1	.56	-.23	1.20	.99	142	-31
Marshall	72	38	56.6	-6.3	1.56	.79	1.52	1.68	131	-40
Pipestone	76	39	55.8	-5.6	1.19	.36	2.45	3.06	124	-35
Redwood Falls	74	46	58.6	-5.5	.73	-.05	1.90	3.25	143	-42
Worthington	73	40	56.9	-4.2	.80	-.07	.90	1.31	124	-32
<u>SC DIST 8</u>										
Faribault	75	40	58.8	-2.5	2.37	1.47	1.87	2.95	133	-24
North Mankato	74	44	59.2	-3.2	1.14	.18	1.14	.85	141	-28
Waseca	75	45	59.2	-3.0	1.31	.38	.32	1.45	141	-26
Winnebago	76	44	59.4	-3.2	1.17	.20	.93	1.60	150	-22
<u>SE DIST 9</u>										
Preston	75	37	57.0	-3.3	3.31	2.37	1.98	3.18	133	-14
Red Wing	74	47	60.4	-1.7	1.12	.28	.00	-.09	151	-13
Rochester	75	44	59.1	-1.4	1.10	.27	.70	1.61	150	1
Rosemount	74	44	58.9	-2.2	.97	-.01	.20	5.89	143	-12
Winona	76	42	59.2	-3.1	.65	-.21	-1.17	-.96	144	-22

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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