



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

SNOW MELT CONTINUES AFTER ABUNDANT WINTER SNOWFALL

This issue of the Weekly Crop-Weather Report is the first for the 2011 growing season for the USDA, NASS, Minnesota Field Office. Heavy snowfall and below average temperatures during the winter have placed spring fieldwork behind last year but near the five-year average. Producers anticipated full scale fieldwork to begin on April 22.

Snow melt conditions varied across the state. Cool temperatures slowed the thawing process and extended the flooding potential for Minnesota's watersheds. Statewide average temperatures were 3° below average for the week. High temperatures during the week hit the 50's in some areas accompanied by sunshine that melted much of the existing snow. Sunny skies continued on Saturday but gave way to scattered showers late Sunday afternoon. Snow fell over northeastern parts of the state. Statewide precipitation was below average.

Topsoil moisture supplies were rated 35 percent adequate and 65 percent surplus; subsoil moisture supplies were rated 45 percent adequate and 55 percent surplus. Other farm activity included maintaining equipment, acquiring seed, and transporting grain to market. Livestock producers reported good calving conditions.

	Days Suitable for Fieldwork: 0.0			
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	0	35	65
Subsoil Moisture	0	0	45	55

Crop Progress as of April 4, 2011					
Crop	Stage of Development	This	Last	Last	5 Yr
		Week	Week	Year	Avg
		----- Percent -----			
Oats	Planted	0	NA	6	1
Spring Wheat	Planted	0	NA	1	0
Barley	Planted	0	NA	2	0
Approximate Date to Begin Full-Scale Fieldwork		4/22	NA	4/13	4/21

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>

Spring flood information:
http://climate.umn.edu/doc/journal/flood_2011/flooding_2011.htm

National Weather Service's Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING April 4, 2011:
 Temperatures averaged from 5.4 degrees below normal in the West Central District to 0.8 degree below normal in the North Central District. Extremes: 0 degree in Itasca; 66 degrees in Rochester. Average precipitation ranged from 0.42 inch below normal in the Southeast, South Central Districts to 0.17 inch above normal in the North Central District. Greatest weekly total of 0.76 inch was recorded in Becker.

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 3/28/2011 through 4/3/2011

	Temperature				Precipitation			
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Four Weeks	From Norm Since 4/1	
<u>NW DIST 1</u>								
Crookston	46	17	31.0	-1.8	.18	-.04	.12	.07
Itasca	51	0	27.4	-2.6	.26	-.10	-.04	.07
Moorhead	43	7	29.4	-5.7	.09	-.19	.62	-.12
<u>NC DIST 2</u>								
Warroad	50	5	29.4	-.3	.16	-.04	-.34	.07
Grand Rapids	53	8	33.0	-.5	.36	-.00	-.53	.18
<u>NE DIST 3</u>								
Intl. Falls	49	3	30.1	-1.0	.59	.33	-.10	.48
Duluth	48	6	31.5	-.3	.63	.18	-.31	.44
Grand Marais	49	14	30.6	-2.3	.40	.13	.13	.28
<u>WC DIST 4</u>								
Hibbing	48	4	30.5	-1.4	.35	.06	-.46	.21
Alexandria	47	7	29.6	-4.9	.11	-.29	-.74	-.09
Browns Valley	48	2	29.5	-6.9	0	-.45	.32	-.19
Canby	M	M	M	M	M	M	.42m	M
Montevideo	48	14	31.2	-5.4	.17	-.28	.18	-.03
Morris	45	13	30.6	-5.2	.07	-.35	-.69	-.13
Wheaton	46	11	30.5	-4.6	.18	-.24	-.23	-.00
<u>CENT DIST 5</u>								
Becker	51	11	30.9	-5.9	.76	.26	.95	.54
Collegeville	54	6	33.3	-4.4	0	-.46	.08	-.20
Hutchinson	49	14	31.2	-5.8	.24	-.22	.24	.04
Melrose	49	10	28.5	-6.3	0	-.44	.26	-.19
Olivia	49	14	31.2	-5.4	.21	-.26	1.30	.00
St. Cloud	53	6	33.7	-2.1	.42	-.02	.50	-.01
Wadena	46	1	26.8	-5.8	.30	-.13	-.03	.12
Willmar	48	11	29.8	-5.7	.27	-.17	.73	.08
Aitkin	51	4	29.6	-4.0	.24	-.18	.13	.06
<u>EC DIST 6</u>								
Forest Lake	54	8	33.0	-3.5	.44	-.02	.65	.24
Hinckley	48	3	30.2	-3.7	.39	-.08	-.16	.18
MSP Airport	56	18	37.9	-1.3	.18	-.32	.20	-.14
St. Paul - UofM	49	13	32.8	-5.8	.25	-.28	1.06	.02
Lamberton	57	21	36.3	-1.3	.20	-.35	.00	-.04
<u>SW DIST 7</u>								
Marshall	55	4	33.0	-4.5	.25	-.25	-.17	.03
Pipestone	55	21	34.6	-2.6	.29	-.20	-.07	.02
Redwood Falls	56	21	35.9	-3.4	.30	-.20	.96	-.10
Faribault	53	19	34.8	-2.0	.15	-.41	.11	-.10
<u>SC DIST 8</u>								
North Mankato	53	19	33.9	-5.4	.19	-.46	.32	-.10
Waseca	53	22	35.4	-2.0	.22	-.47	-.06	-.08
Winnebago	55	22	37.2	-1.2	.23	-.34	.06	-.02
<u>SE DIST 9</u>								
Red Wing	51	18	34.4	-3.9	.19	-.34	.54	-.04
Rochester	66	20	39.2	1.6	.17	-.41	1.79	-.09
Rosemount	54	14	33.1	-4.8	.19	-.42	.33	-.07
Winona	53	19	35.0	-3.8	.18	-.43	1.43	-.10

m=some data missing

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