



Crops & Weather

National Agricultural Statistics Service
Minnesota Field Office

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In Cooperation with the Minnesota Department of Agriculture, National Weather Service – Chanhassen MN,
Univ. of Minn. Extension Service, DNR State Climatology Office, USDA-FSA, USDA-NRCS, and Local FACs

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Winter weather conditions were persistent during the week ending April 14th, 2013. A noteworthy storm brought widespread heavy snow, rain and ice late in the week. High winds caused tree damage and power outages in southwest Minnesota. The snow covered fields in the northern parts are not showing signs of significant melting. This continues to worry farmers about the potential of flooding from rapid snow melt. The consistent rain and snow provided much needed topsoil moisture relief where the soil would allow for absorption. Farm activities included spring calving, repairing storm damage, equipment maintenance, and purchasing supplies.

For the week ending April 14, 2013, only 0.1 days were rated suitable for fieldwork statewide, compared with last year's 5.0. Topsoil moisture supplies were rated 5 percent very short, 17 percent short, 61 percent adequate, and 17 percent surplus. Subsoil moisture supplies were rated 23 percent very short, 43 percent short, 31 percent adequate, and 3 percent surplus. Producers anticipate full scale fieldwork to begin on May 1st. Pasture conditions were rated 27 percent very poor, 17 percent poor, 35 percent fair and 21 percent good.

Soil Moisture Levels as of April 14, 2013

	Very Short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil Moisture	5	17	61	17
Subsoil Moisture	23	43	31	3

Crop Condition as of April 14, 2013

	Very Poor	Poor	Fair	Good	Exc
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Pasture	27	17	35	21	0

Crop Progress as of April 14, 2013

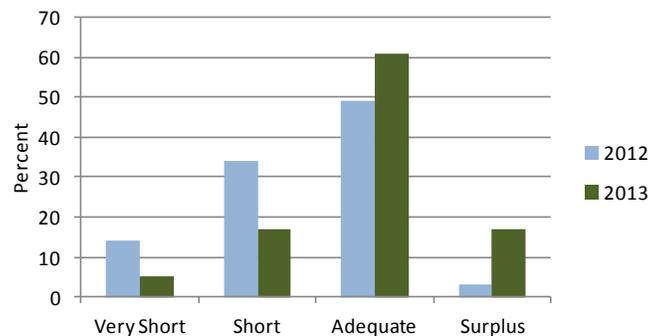
	This Week	Last Week	Last Year	5 Yr Avg
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Days Suitable for Fieldwork	0.1	0.2	5.0	2.5
Approximated Date to begin Full Scale Fieldwork	5/1	4/26	4/15	4/21

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>

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

Topsoil Moisture Supply, April 14



Precipitation and Temperature Summary for 4/08/2013 through 4/14/2013

	Temperature				Precipitation			
	High	Low	Week Average	Depart from Norm	Week Total	Depart From Normal		
						Past Week	Four Weeks	Since 4/1
NORTHWEST DISTRICT								
Crookston	37	8	25.6	-14.4	0.25	0.02	-0.19	-0.24
Itasca	40	12	30	-7.1	0.7	0.3	0.26	1.78m
Moorhead	35	13	27.5	-14.6	1	0.72	0.56	1.13
Pembina, ND	36	3	22.2	-15.8	0.13	-0.03	-0.26	0.65
Warroad	40	11	25.8	-11.3	3.12	2.85	2.73m	2.51m
NORTH CENTRAL DISTRICT								
Grand Rapids	43	15	30.6	-9.5	0.91	0.45	0.32	1.68
Intl. Falls	42	5	27.2	-10.1	0.59	0.27	0.17	2.89
NORTH EAST DISTRICT								
Duluth	40	8	29.6	-8.1	1.36	0.81	1.29	2.1
Grand Marais	45	27	33.4	-4	0.77	0.4	0.98	5.45
Hibbing	44	9	29.8	-7.1	0.58	0.22	0.18	0.27
WEST CENTRAL DISTRICT								
Alexandria	39	21	30	-11.6	0.34	-0.14	-0.79	-2.78m
Breckenridge	37	15	28	-12.8	0.46	-0.02	-0.49	1.74
Browns Valley	38	16	28.6	-13.3	0.82	0.28	-0.82	-1.14m
Canby	M	M	M	M	M	M	-1.97m	-1.38m
Montevideo	46	20	31.6	-11	1.11	0.53	-0.77	0.19
Morris	41	21	30.4	-11.4	0.71	0.18	-0.75	0.61
Wheaton	37	16	28	-13.4	0.38	-0.14	-1.16	-0.31
CENTRAL DISTRICT								
Becker	48	26	35.9	-8.3	0.93	0.24	-0.24	0.78
Collegeville	41	18	31	-13.3	1.55	0.93	-0.45	0.4
Hutchinson	47	25	33.6	-10.3	1.18m	0.62m	-0.02m	1.28m
Melrose	44	22	31.4	-10.1	0.93	0.33	-0.59	.88m
Olivia	46	21	32.2	-10.6	1.14	0.53	-0.43	.34m
St. Cloud	42	17	31.6	-11	1.14	0.54	0.12	2.27
Wadena	M	M	M	M	M	M	-1.35m	.73m
Willmar	44	24	32.1	-11.1	0.84	0.23	-0.65m	.47m
EAST CENTRAL DISTRICT								
Aitkin	42	16	31.4	-8.5	1.7	1.1	0.49	2.03
Forest Lake	48	21	35.6	-8.5	1.36	0.72	0.46	2.04
MSP Airport	48	28	35.5	-10.2	2.37	1.76	0.97	1.55
Mora	44	20	33	-8.4	0.87	0.32	-0.3	0.33
St. Paul - Uo	45	25	33.7	-10.4	2.21	1.57	0.85	1.6
SOUTH WEST DISTRICT								
Lamberton	49	26	32.8	-10.1	2.23	1.54	0.1	-0.21
Marshall	47	22	30.6	-12.7	2.21	1.61	0.21	0.21
Pipestone	54	19	31.7	-11.3	1.81	1.14	-0.34	-1.23
Redwood Falls	46	27	33.6	-11	1.54	0.92	-0.05	-1.79m
Sioux Falls	54	22	32.4	-12.2	2.11	1.42	0.01	-0.14
SOUTH CENTRAL DISTRICT								
Worthington	48	21	31.3	-11.5	2.49	1.78	0.37	0.72
North Mankato	59	25	35.5	-8.8	2.87	2.15	0.58	0.21
Owatonna	53	27	35.1	-9	3.14	2.47	1.1	2.13
Waseca	55	27	35.4	-8.7	3.24	2.51	1.03	1.56
Winnebago	56	27	35.6	-8.9	3.3	2.53	0.94	1.14
Cannon Falls	49	27	35	-8.2	2.02	1.38	-0.07m	-3.21m
SOUTH EAST DISTRICT								
La Crosse	55	27	37.2	-9.7	3.91	3.13	2.09	2.79
Preston	52	29	37	-7.2	3.42	2.58	.98m	1.66m
Red Wing	48	29	36	-8.6	2.7	2.07	1.29	1.8
Rochester	55	28	36.1	-8.8	3.71	2.96	1.76	2.91
Rosemount	47	27	35	-9.4	2.32	1.67	.32m	-.87m
Winona Dam	52	29	36.4	-8.2	2.27	1.48	0.23	1.22

m=some data missing

Data in this summary are courtesy of National Weather Service Offices and Cooperators, and the University of Minnesota Agricultural Experiment Station. This summary is prepared by the Minnesota Extension Service Agricultural Meteorologist and the Department of Natural Resources State Climatology Office. URL://climate.umn.edu