



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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Snow cover and precipitation during the week ending April 21st continued to limit field work in Minnesota, according to the USDA, National Agricultural Statistics Service. The topsoil and subsoil moisture levels are slowly recharging between frosts. Temperatures remained below normal throughout much of the state. Snow covered areas and frozen ditches were still common in the northern parts of the state, yet water began flowing in thawed fields elsewhere. Field activities for the week consisted of adding bedding to muddy areas, moving animals around, spreading manure, cleaning up storm damage, and preparing equipment.

There were no days rated suitable for fieldwork statewide, compared with last year's 3.2, and the average of 2.9. Topsoil moisture supplies were rated 3 percent very short, 14 percent short, 59 percent adequate, and 24 percent surplus. Subsoil moisture supplies were rated percent 18 very short, 38 percent short, 40 percent adequate, and 4 percent surplus. Producers anticipate full scale fieldwork to begin on May 7th. Pasture conditions were rated 24 percent very poor, 17 percent poor, 35 percent fair, 23 percent good, and 1 percent excellent.

Soil Moisture Levels as of April 21, 2013

	Very Short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil Moisture	3	14	59	24
Subsoil Moisture	18	38	40	4

Crop Condition as of April 21, 2013

	Very Poor	Poor	Fair	Good	Exc
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Pasture	24	17	35	23	1

Crop Progress as of April 21, 2013

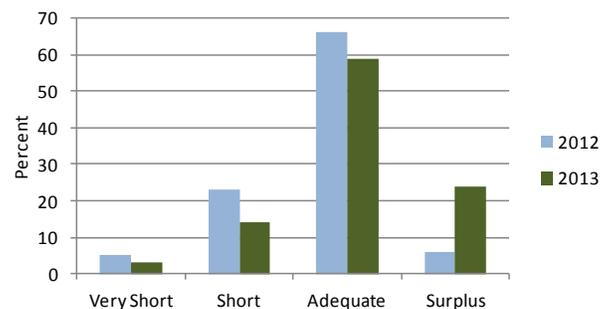
	This Week	Last Week	Last Year	5 Yr Avg
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Days Suitable for Fieldwork	0.0	0.1	3.2	2.9
Approximated Date to begin Full Scale Fieldwork	5/7	5/1	4/16	4/21

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 21



Precipitation and Temperature Summary for 4/15/2013 through 4/21/2013

	Temperature				Precipitation			
	High	Low	Week Average	Depart from Norm	Week Total	Depart From Normal		
						Past Week	Four Weeks	Since 4/1
NORTHWEST DISTRICT								
Crookston	40	18	31.3	-12.3	0.22	-0.06	-0.41	-0.23
Itasca	39	7	30.8	-9.7	0.98	0.55	0.55	0.9
Moorhead	42	19	32	-13.6	0.49	0.18	0.92	1.16
Pembina, ND	42	12	28.2	-13.5	0.46	0.25	-0.11	0.07
Warroad	39	12	29.1	-11.5	0.26	-0.06	-.64m	-.43m
NORTH CENTRAL DISTRICT								
Grand Rapids	42	5	30.8	-12.4	1.32	0.82	1.06	1.18
Intl. Falls	38	4	29.8	-10.9	0.67	0.3	0.26	0.5
NORTH EAST DISTRICT								
Duluth	42	11	31.3	-9.5	1.45	0.86	2.2	2.16
Grand Marais	44	6	30.8	-9	4.13	3.72	4.96	4.73
Hibbing	39	-1	29	-11	0.37	-0.03	0.27	0.27
WEST CENTRAL DISTRICT								
Alexandria	41	10	29.5	-15.5	0.44	-0.07	-0.56	-0.36
Breckenridge	38	14	29	-15.6	1.21	0.68	-0.11	0.24
Browns Valley	36	12	29.2	-16.1	0.89	0.34	-0.34	0.11
Canby	38	16	29.4	-17.1	1.35	0.7	.77m	1.20m
Montevideo	40	14	29.7	-16.4	1.53	0.93	0.45	0.94
Morris	37	19	29	-16.3	0.46	-0.1	-0.71	-0.32
Wheaton	40	18	29.2	-15.8	0.75	0.21	-0.75	-0.4
CENTRAL DISTRICT								
Becker	73	15	34.7	-12.8	1.72	0.98	0.79	0.84
Collegeville	42	18	32.4	-15.2	1.33	0.68	0.53	1.04
Hutchinson	42	14	32	-15.1	1.72	1.13	1.47	1.83
Melrose	38	15	30	-14.8	0.77	0.13	-0.34	-0.09
Olivia	43	17	30.4	-15.7	0.92	0.28	0.01	0.47
St. Cloud	44	16	32	-13.8	1.19	0.56	0.8	0.85
Wadena	39	13	30.2	-12.6	1.03	0.47	-0.15	0.24
Willmar	40	16	29.8	-16.9	0.78	0.14	-.59m	-0.13
EAST CENTRAL DISTRICT								
Aitkin	41	7	29.2	-13.9	1.91	1.28	2	2.38
Forest Lake	48	15	33.2	-14.2	1.45	0.76	1.22	1.21
MSP Airport	51	21	36.4	-12.4	1.55	0.91	2.13	2.47
Mora	43	13	31.4	-13.2	0.99	0.4	-.20m	-.23m
St. Paul - Uo	43	18	32.2	-15.2	1.68	0.99	2.05	2.15
SOUTH WEST DISTRICT								
Lamberton	38	14	30	-16.3	0.57	-0.16	0.32	0.81
Marshall	41	14	30.2	-16.5	0.84	0.2	.64m	1.07m
Pipestone	39	7	28	-18.3	0.98	0.28	-1.21m	-.68m
Redwood Falls	48	18	33.4	-14.5	0.5	-0.16	0.15	0.64
Sioux Falls	53	16	33.2	-14.3	0.41	-0.32	0.1	0.62
SOUTH CENTRAL DISTRICT								
Worthington	41	15	29.5	-16.5	0.81	0.05	.59m	1.10m
North Mankato	41	20	34.1	-13.4	0.86	0.12	1.07	1.63
Owatonna	45	21	34	-13.2	1.4	0.68	2.18	2.65
Waseca	45	19	33.5	-13.9	1.45	0.69	2.09	2.63
Winnebago	48	20	33.6	-14	1.45	0.62	1.93	2.51
Cannon Falls	42	20	32.6	-13.7	1.36	0.67	1.05m	1.60m
SOUTH EAST DISTRICT								
La Crosse	55	22	38.9	-10.9	1.37	0.56	2.89	3.18
Preston	48	26	36.3	-10.7	2.88	1.99	3.03m	3.59m
Red Wing	46	26	35.3	-12.5	1.5	0.82	2.32	2.43
Rochester	54	26	36.7	-11.2	1.76	0.97	2.98	3.44
Rosemount	45	18	32.6	-14.9	1.31	0.62	1.17m	1.78m
Winona Dam	47	25	35.7	-11.9	2.46	1.61	2.11	2.52

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