



Crops & Weather

National Agricultural Statistics Service
Minnesota Field Office

USDA National Agricultural Statistical Service, Minnesota Field Office • P.O. Box 7068 • St. Paul, MN 55107
Phone 651-201-6030 • 1-800-453-7502 • Fax 651-201-6092 • nass-mn@nass.usda.gov • www.nass.usda.gov
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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Media Contact: Dan Lofthus

Warmer temperatures finally arrived during the week ending April 28th, according to the USDA, National Agricultural Statistics Service. The warmer weather rapidly melted snow; however, snow is still visible along tree lines and other shaded areas throughout the state. Flooding is still a concern, especially along the Red River. Very limited field work has begun on higher ground and well drained fields. Muddy conditions led to difficulty moving livestock and slow pasture growth. Common farm activities were applying fertilizer, calving, and equipment maintenance.

There were 0.4 days rated suitable for fieldwork statewide, compared with last year's 4.2 days, and the average of 3.4 days. Topsoil moisture supplies were rated 2 percent very short, 15 percent short, 64 percent adequate, and 19 percent surplus. Subsoil moisture supplies were rated 13 percent very short, 37 percent short, 47 percent adequate, and 3 percent surplus. Producers continue to anticipate full scale fieldwork to begin on May 7th. Pasture conditions were rated 22 percent very poor, 17 percent poor, 37 percent fair, 23 percent good, and 1 percent excellent.

Soil Moisture Levels as of April 28, 2013

	Very Short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil Moisture	2	15	64	19
Subsoil Moisture	13	37	47	3

Crop Condition as of April 28, 2013

	Very Poor	Poor	Fair	Good	Exc
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Pasture	22	17	37	23	1

Crop Progress as of April 28, 2013

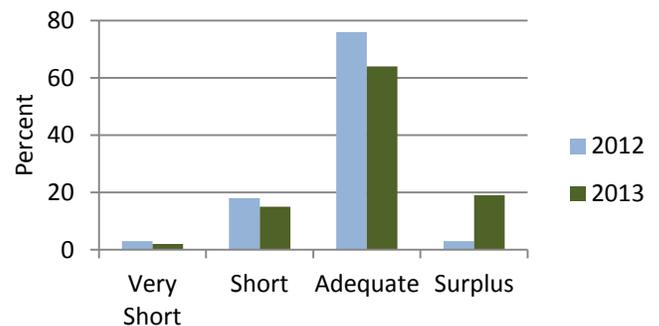
	This Week	Last Week	Last Year	5 Yr Avg
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Days Suitable for Fieldwork	0.4	0.0	4.2	3.4
Approximated Date to begin Full Scale Fieldwork	5/7	5/7	4/16	4/21

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 28



Precipitation and Temperature Summary for 4/22/2013 through 4/28/2013

	Temperature				Precipitation			
	High	Low	Week Average	Depart from Norm	Week Total	Depart From Normal		
						Past Week	Four Weeks	Since 4/1
NORTHWEST DISTRICT								
Crookston	71	23	38.6	-8.3	0.08	-0.28	-0.51	-0.51
Itasca	67	15	36	-7.7	0.28	-0.19	0.7	0.7
Moorhead	73	22	42	-6.9	0.02	-0.34	0.82	0.82
Pembina, ND	58	17	34.8	-10.2	0.05	-0.25	-0.18	-0.18
Warroad	69	14	36.8	-7	0.11	-0.27	-.70m	-.70m
NORTH CENTRAL DISTRICT								
Grand Rapids	70	22	41.5	-4.8	0.02	-0.52	0.66	0.66
Intl. Falls	67	17	39.4	-4.4	0	-0.43	0.07	0.07
NORTH EAST DISTRICT								
Duluth	68	21	42.2	-1.5	0.62	0	2.16	2.16
Grand Marais	56	29	39.2	-2.7	0.18	-0.26	4.11	4.11
Hibbing	71	16	39.4	-3.6	0	-0.43	-0.16	-0.16
WEST CENTRAL DISTRICT								
Alexandria	70	18	40.2	-8	0.2	-0.33	-0.69	-0.69
Breckenridge	74	19	38	-10.2	0.32	-0.25	0	0
Browns Valley	76	20	38.6	-9.9	0.65	0.1	0.21	0.21
Canby	74	17	40	-9.6	0.64	-0.01	1.19m	1.19m
Montevideo	76	19	38.8	-10.5	0.56	-0.05	0.89	0.89
Morris	73	18	37.6	-11	0.31	-0.26	-0.59	-0.59
Wheaton	78	21	38.8	-9.6	0.32	-0.22	-0.63	-0.63
CENTRAL DISTRICT								
Becker	73	23	41.6	-9	0.1	-0.65	0.18	0.18
Collegeville	75	21	43	-7.7	0.4	-0.27	0.77	0.77
Hutchinson	75	21	41.7	-8.4	0.42	-0.18	1.65	1.65
Melrose	74	19	38.3	-9.7	0.28	-0.38	-0.48	-0.48
Olivia	75	18	39.9	-9.4	0.6	-0.03	0.43	0.43
St. Cloud	77	22	44.1	-4.7	0.28	-0.35	0.51	0.51
Wadena	68	18	36.6	-9.4	0.18	-0.41	-0.17	-0.17
Willmar	75	19	38.8	-11	0.38	-0.26	-0.38	-0.38
EAST CENTRAL DISTRICT								
Aitkin	72	22	38.2	-7.8	0.12	-0.52	1.86	1.86
Forest Lake	76	23	42.6	-7.7	0.64	-0.09	1.12	1.12
MSP Airport	81	29	48.7	-2.9	0.94	0.28	2.75	2.75
Mora	74	21	41.3	-6.3	0.31	-0.3	-.53m	-.53m
St. Paul - Uo	72	26	43.2	-7.1	0.85	0.12	2.27	2.27
SOUTH WEST DISTRICT								
Lamberton	75	19	39.4	-10.1	0.38	-0.35	0.45	0.45
Marshall	74	16	41	-8.9	0.2	-0.48	.60m	.60m
Pipestone	75	20	39.2	-10.1	0.27	-0.44	-1.12m	-1.12m
Redwood Falls	83	23	46	-4.9	0.12	-0.55	0.09	0.09
Sioux Falls	85	22	45.2	-5.1	0.45	-0.3	0.32	0.32
SOUTH CENTRAL DISTRICT								
Worthington	74	19	40	-9.1	0.3	-0.46	.64m	.64m
North Mankato	71	24	40.8	-9.6	0.55	-0.19	1.44	1.44
Owatonna	71	23	42.8	-7.2	1.04	0.27	2.92	2.92
Waseca	73	24	43.2	-7.2	1.1	0.32	2.95	2.95
Winnebago	74	22	42.7	-7.9	1.13	0.27	2.78	2.78
Cannon Falls	73	23	42.6	-6.5	0.91	0.18	1.79m	1.79m
SOUTH EAST DISTRICT								
La Crosse	75	27	49.2	-3.3	0.29	-0.53	2.66	2.66
Preston	71	23	44.8	-4.9	0.76	-0.13	3.46m	3.46m
Red Wing	74	28	44.7	-6.1	1.57	0.86	3.29	3.29
Rochester	74	27	46.4	-4.3	0.62	-0.18	3.26	3.26
Rosemount	73	24	42.8	-7.5	0.67	-0.06	1.72m	1.72m
Winona Dam	72	28	45.8	-4.4	0.83	-0.02	2.5	2.5

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