



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

ACTIVE WEATHER SLOWS FIELDWORK

Active weather early in the week slowed fieldwork and included heavy rainfall, damaging winds and hail in localized areas, according to the USDA, NASS, Minnesota Field Office. Rainfall amounts of over 5 inches were reported in Grand Rapids, Aitkin, and Cannon Falls. Duluth received 7.25 inches in a 24-hour period, prompting flood warnings to be issued in northeast and east central areas by the National Weather Service. Southeastern areas received considerable precipitation with an average of 2.84 inches. As of June 24, topsoil moisture supplies were rated 6 percent short, 73 percent adequate, and 21 percent surplus, compared to 1 percent very short, 7 percent short, 75 percent adequate, and 17 percent surplus the previous week. Statewide temperatures were 1.8° above normal and 3.6 days were rated suitable for fieldwork.

Corn condition was rated 2 percent poor, 15 percent fair, 62 percent good, and 21 percent excellent, with an average height of 34 inches. One percent of the state's corn was silking, compared to 0 percent for both last year and the five-year average. Soybean condition was rated 1 percent very poor, 3 percent poor, 22 percent fair, 61 percent good, and 13 percent excellent, with an average height of 9 inches. Three percent of soybeans were blooming, compared to 0 percent last year and 1 percent average.

Small grain development continued well ahead of average pace. Spring wheat was 93 percent headed, compared to 7 percent last year and 28 percent average. One percent of spring wheat was turning ripe. Barley was 94 percent headed, compared to 8 percent last year and 32 percent average. Three percent of barley was turning ripe. Small grain conditions held steady from the previous week and were rated primarily in fair to good condition.

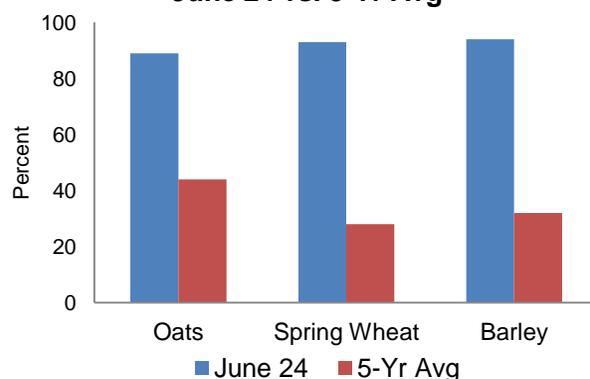
The first cutting of alfalfa neared completion at 92 percent compared to 78 percent last year and 80 percent average. Pasture condition was rated 4 percent poor, 20 percent fair, 59 percent good, and 17 percent excellent.

Days Suitable for Fieldwork: 3.6				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	6	73	21

Crop Progress as of June 24, 2012					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
Oats	Headed	89	67	21	44
Oats	Turning Ripe	9	4	0	2
Spring Wheat	Headed	93	71	7	28
Spring Wheat	Turning Ripe	1	0	0	0
Barley	Headed	94	71	8	32
Barley	Turning Ripe	3	0	0	0
Corn	Height	34	23	14	23
Corn	Silking	1	0	0	0
Soybeans	Height	9	6	4	7
Soybeans	Blooming	3	0	0	1
Dry Beans	Blooming	2	0	0	NA
Sweet Corn	Planted	87	77	80	90
Alfalfa	First Cutting	92	87	78	80

Condition as of June 24, 2012					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	0	4	20	59	17
Oats	0	2	16	70	12
Barley	1	3	23	64	9
Spring Wheat	2	4	20	63	11
Sugarbeets	0	2	21	66	11
Sunflowers	0	1	37	56	6
Corn	0	2	15	62	21
Soybeans	1	3	22	61	13
Potatoes	0	0	9	61	30
Canola	0	0	76	21	3
Dry Beans	1	5	24	58	12
Alfalfa	1	5	21	63	10
Green Peas	0	8	32	57	3

Small Grains Headed:
June 24 vs. 5-Yr Avg



The following links provides 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 June 24, 2012:
 Temperatures averaged from 1.1 degrees below normal in the Northwest District to 4.0 degrees above normal in the Southeast District. Extremes: 43 degrees in International Falls; 94 degrees in Red Wing. Average precipitation ranged from 0.14 inch below normal in the Southwest District to 3.14 inches above normal in the Northeast District. Greatest weekly total of 7.74 inches was recorded in Duluth.

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 6/18/2012 through 6/24/2012

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Four Weeks	From Norm Since 4/1	Since Apr 30	Depart from Norm	
<u>NW DIST 1</u>										
Crookston	80	49	65.0	-1.0	.48	-.41	-.86	-2.00	758	124
Itasca	82	47	64.7	1.4	2.62	1.46	-.51	.67	685	159
Moorhead	84	52	68.4	.8	1.21	.29	-1.10	-.71	871	171
Warroad	78	47	60.6	-3.1	.45	-.62	-.02	-.61	575	43
<u>NC DIST 2</u>										
Grand Rapids	81	49	64.0	-.7	6.04	4.98	4.51	10.15	665	84
Intl. Falls	80	43	61.0	-1.2	.87	-.08	-.96	-.83	611	109
<u>NE DIST 3</u>										
Duluth	79	52	64.2	2.7	7.74	6.72	6.91	11.31	600	139
Grand Marais	78	49	58.6	3.5	1.52	.65	-.78	2.71	294	13
Hibbing	78	44	60.6	-.2	3.10	2.07	2.56	7.28	593	148
<u>WC DIST 4</u>										
Alexandria	81	54	67.9	1.1	1.48	.50	-.05	4.66	755	93
Breckenridge	82	53	67.8	.7	1.61	.69	-.30m	1.50m	769m	76m
Browns Valley	88	52	68.5	1.0	1.62	.69	-1.50	.06	789	98
Canby	90	56	71.2	1.9	2.20	1.23	-.32	2.75	865	114
Montevideo	89	54	71.2	2.6	2.85	1.82	2.42m	6.32m	865	132
Morris	82	55	68.6	1.0	1.92	.94	-1.12	.61	791	94
Wheaton	87	56	69.0	.8	2.74	1.77	.04	1.60	798	91
<u>CENT DIST 5</u>										
Becker	90	55	71.2	3.5	1.85	.76	1.68	7.33	850	119
Collegeville	87	52	70.6	1.7	1.50	.37	2.38	6.84	871	113
Hutchinson	92	55	71.4	2.2	3.87	2.75	2.62	8.18	871	122
Melrose	82	55	68.2	1.4	1.34	.34	1.11	4.59	780	115
Olivia	89	48	69.1	.3	2.48	1.37	.78	3.48	846	105
St. Cloud	88	52	70.7	3.7	.71	-.30	-1.22	4.83	828	156
Wadena	79	53	65.2	.6	3.20	2.13	.30	6.54	673	93
Willmar	87	54	69.4	.4	4.29	3.08	.82	4.31	819	66
<u>EC DIST 6</u>										
Aitkin	80	50	64.2	-.1	6.75	5.66	6.78	13.42	679	117
Forest Lake	92	56	71.4	2.5	1.71	.64	.06	6.83	856	121
MSP Airport	93	61	74.1	3.7	.87	-.15	-.13	6.55	942	149
Mora	85	53	68.2	2.1	2.16	1.14	.90	7.51	754	119
St. Paul - UofM	91	57	71.8	2.9	1.47	.40	.19	4.35	866	131
<u>SW DIST 7</u>										
Lamberton	93	56	72.3	2.7	.73	-.27	-.33	4.68	894	124
Marshall	93	57	73.4	3.8	1.79	.89	-.23	3.06	929	163
Pipestone	90	51	70.8	2.7	.87	-.14	-1.91	7.37	826	109
Redwood Falls	92	57	73.3	3.4	1.29	.25	-1.08	5.47	928	138
Worthington	90	46	72.8	3.8	.21	-.97	-1.34	2.22	877	141
<u>SC DIST 8</u>										
North Mankato	92	58	73.0	3.5	.11	-1.13	-3.18	.34	853	85
Owatonna	92	58	72.6	3.1	1.97	.88	3.28	7.38	901	150
Waseca	91	54	71.2	1.3	1.08	-.03	.66	1.64	888	102
Winnebago	92	57	75.2	5.4	1.33	.24	.38	3.89	922	140
<u>SE DIST 9</u>										
Cannon Falls	88	56	70.6	1.9	5.93	4.89	11.33	15.05	835	123
Preston	92	53	73.1	5.0	1.25	.00	-2.74	-2.16	898	200
Red Wing	94	60	72.8	3.8	4.18	3.20	7.35	9.70	916	162
Rochester	91	56	73.4	4.4	1.95	.82	-.66	.16	930	183
Rosemount	90	58	71.6	2.8	3.44	2.32	2.49m	6.02m	869	138
Winona Dam	91	58	73.8	4.8	1.86	.87	-.54	-.23	886	161

m=some data missing

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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