



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

SMALL GRAIN HARVEST UNDERWAY

Small grain harvest continued well ahead of the five-year average pace, according to the USDA, NASS, Minnesota Field Office. As of July 22, spring wheat harvest reached 17 percent complete as scattered showers brought varying amounts of precipitation across the state. Statewide, topsoil moisture supplies held relatively steady, and were rated 21 percent very short, 35 percent short, 40 percent adequate, and 4 percent surplus. Most crop condition ratings declined slightly. Corn and soybeans both remained in primarily fair to good condition.

Temperatures averaged over 6° above normal this week and rainfall amounts varied across the state. Several northern areas remained dry, while some central parts of the state received above average precipitation. The highest weekly total was recorded in Melrose with 3.2 inches. During the week, there were 6.3 days rated suitable for fieldwork.

Corn development continued ahead of average, with 23 percent in the milk stage and 2 percent in the dough stage. Soybeans were 43 percent setting pods, compared to 8 percent last year and 12 percent for the five-year average.

Spring wheat harvest progressed to 17 percent complete, compared to 0 percent last year and 1 percent average. Oats were 41 percent harvested, compared to 1 percent last year and 9 percent average. Barley was 31 percent harvested, compared to 1 percent last year and 4 percent average. The small grains continued to be rated in primarily fair to good condition.

Sweet corn harvest advanced 6 percentage points this week to 9 percent harvested. Potatoes were rated in primarily good to excellent condition and were 1 percent harvested.

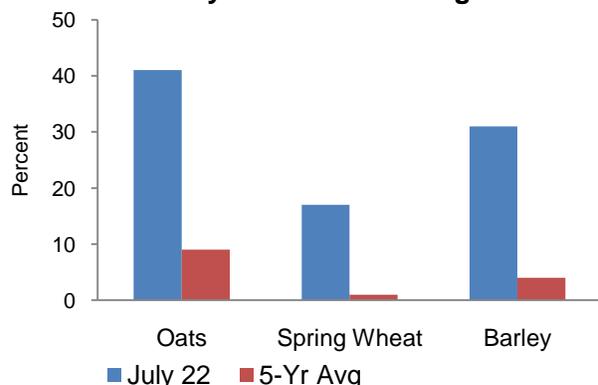
Range and pasture condition was rated 13 percent very poor, 21 percent poor, 29 percent fair, 33 percent good, and 4 percent excellent, a decline from the previous week.

Days Suitable for Fieldwork: 6.3				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	21	35	40	4

Crop Progress as of July 22, 2012					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Oats	Turning Ripe	95	87	45	63
Oats	Harvested	41	19	1	9
Spring Wheat	Turning Ripe	96	76	24	45
Spring Wheat	Harvested	17	1	0	1
Barley	Turning Ripe	97	87	33	50
Barley	Harvested	31	8	1	4
Corn	Silking	94	77	42	49
Corn	Milk	23	5	1	4
Corn	Dough	2	0	0	0
Soybeans	Height	25	21	18	20
Soybeans	Blooming	90	80	50	62
Soybeans	Setting Pods	43	17	8	12
Sweet Corn	Harvested	9	3	1	3
Potatoes	Harvested	1	0	0	0
Dry Beans	Blooming	93	71	44	NA
Dry Beans	Setting Pods	53	11	6	NA
Dry Beans	Fully Podded	3	NA	0	NA

Condition as of July 22, 2012					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	13	21	29	33	4
Oats	1	7	26	57	9
Barley	1	5	25	57	12
Spring Wheat	4	8	26	51	11
Sugarbeets	1	3	24	60	12
Sunflowers	0	1	21	57	21
Corn	3	8	28	53	8
Soybeans	3	9	28	54	6
Potatoes	0	2	11	55	32
Canola	0	7	20	51	22
Dry Beans	2	6	28	56	8

Small Grain Harvest:
July 22 vs. 5-Yr Average



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 July 22, 2012:
 Temperatures averaged from 4.8 degrees above normal in the Northwest District to 9.4 degrees above normal in the Southwest District. Extremes: 50 degrees in Hibbing, International Falls; 102 degrees in Canby. Average precipitation ranged from 0.76 inch below normal in the North Central District to 0.54 inch above normal in the East Central District. Greatest weekly total of 3.20 inches was recorded in Melrose.

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 7/16/2012 through 7/22/2012

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Since Norm 4/1	Since Apr 30	Depart from Norm
<u>NW DIST 1</u>										
Crookston	92	62	77.4	7.9	0	-.64	-1.76	-3.76	1441	284
Itasca	M	M	M	M	M	M	-2.98m	-2.31m	979m	-11m
Moorhead	100	64	78.8	7.4	.07	-.51	-2.38	-3.09	1566	300
Warroad	87	54	69.2	1.7	.75	-.07	.19	-.42	1128	122
<u>NC DIST 2</u>										
Grand Rapids	93	58	74.2	5.7	.11	-.84	-1.64	8.51	1269	191
Intl. Falls	90	50	70.6	5.0	.15	-.67	.47	-.36	1155	225
<u>NE DIST 3</u>										
Duluth	92	59	71.8	5.4	.01	-.84	-2.80	8.51	1205	308
Grand Marais	84	57	68.7	6.4	.20	-.48	-1.81	.90	787	178
Hibbing	91	50	70.4	5.8	.55	-.43	-1.81	5.47	1116	271
<u>WC DIST 4</u>										
Alexandria	94	66	78.0	6.9	1.38	.64	-1.68	2.98	1461	243
Breckenridge	94	64	77.8	6.6	.33	-.49	-2.26	-.77	1468	215
Browns Valley	96	65	77.5	5.7	1.56	.80	-1.13	-1.07	1464	202
Canby	102	66	80.5	7.4	.08	-.67	-3.27	-.52	1603	246
Montevideo	99	67	79.8	7.8	.06	-.73	-3.46	2.86	1577	261
Morris	97	66	77.2	6.5	1.52	.66	-2.13	-1.52	1482	226
Wheaton	91	65	77.2	5.2	.84	.16	-2.05	-.45	1484	195
<u>CENT DIST 5</u>										
Becker	97	66	77.8	6.2	1.97	.99	-1.25	6.07	1554	254
Collegeville	94	65	77.1	4.2	1.80	1.03	-1.72	5.11	1574	215
Hutchinson	97	66	79.8	7.4	.28	-.47	-1.97	6.21	1603	256
Melrose	96	65	76.8	6.5	3.20	2.41	-.11	4.47	1470	261
Olivia	97	64	78.8	7.2	.12	-.63	-3.39	.08	1581	259
St. Cloud	99	64	77.4	6.7	1.96	1.26	-.34	4.49	1518	293
Wadena	90	61	73.8	5.8	.15	-.63	-1.55	4.99	1285	217
Willmar	96	66	77.8	5.5	.21	-.59	-3.53	.78	1531	183
<u>EC DIST 6</u>										
Aitkin	91	60	74.3	6.4	.19	-.72	.77	14.20	1323	277
Forest Lake	97	65	76.6	4.6	2.61	1.63	1.08	7.92	1545	222
MSP Airport	98	67	80.7	6.5	1.05	.16	-1.06	5.49	1724	301
Mora	93	61	74.0	4.4	1.42	.54	.99	8.50	1393	233
St. Paul - UofM	97	66	79.2	7.2	2.08	1.10	-.43	3.93	1598	275
<u>SW DIST 7</u>										
Lamberton	95	66	80.3	8.2	.21	-.61	-3.18	1.51	1631	265
Marshall	98	66	82.0	9.1	1.32	.50	-2.10m	.95m	1689	317
Pipestone	97	65	80.7	8.9	.05	-.66	-2.49	4.88	1530	237
Redwood Falls	99	67	81.6	8.7	.15	-.63	-3.16	2.31	1675	273
Worthington	98	65	80.7	8.9	.04	-.72	-3.38	-1.15	1604	281
<u>SC DIST 8</u>										
North Mankato	98	65	78.4	5.9	.25	-.68	-3.54	-3.19	1599	231
Owatonna	96	64	79.1	6.9	.57	-.47	-3.28	4.10	1639	294
Waseca	94	63	77.7	5.5	1.18	.20	-2.60	-.97	1605	220
Winnebago	95	65	78.6	6.0	.49	-.44	-2.96	.92	1668	280
<u>SE DIST 9</u>										
Cannon Falls	95m	67m	78.4m	6.9m	.57m	-.38m	-3.28m	11.77m	1073m	-218m
Preston	99	56	77.8	6.6	.68	-.26	-3.22	-5.38	1585	317
Red Wing	95	64	78.1	5.3	1.19	.36	-.26	9.44	1646	290
Rochester	94	59	78.0	6.3	.36	-.65	-2.88	-2.72	1648	316
Rosemount	94	64	77.9	6.1	.62	-.38	-2.76	3.26	1598	282
Winona Dam	97	60	78.4	6.3	.23	-.72	-3.11	-3.34	1616	300

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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