



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

LIMITED RAIN AIDS IN CROP PLANTING AND DEVELOPMENT

Limited precipitation allowed planting to near completion for several crops, according to the USDA, NASS, Minnesota Field Office. As of June 12, planting of barley, green peas, and potatoes was virtually complete at 98 percent or greater. Planting of dry beans, sweet corn, and sunflowers advanced at least 19 percentage points, though all three crops remained behind last year and average. Six days were rated suitable for fieldwork statewide, the highest number so far this year.

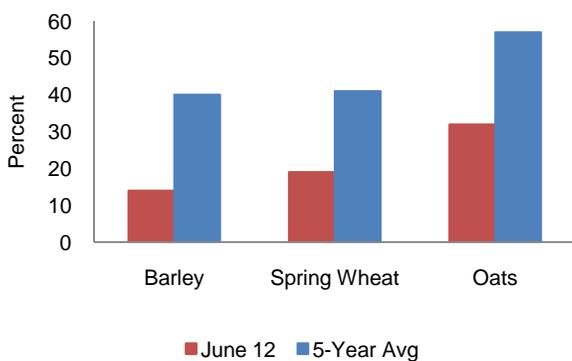
Soybeans planted jumped 19 points to 94 percent complete. Soybeans emerged gained 29 points to 67 percent, compared to 94 percent last year and 90 percent for the five-year average. The first soybean condition ratings of the season were 3 percent poor, 21 percent fair, 63 percent good, and 13 percent excellent.

Ninety-three percent of spring wheat was emerged and 19 percent was jointed, while 96 percent of oats were emerged and 32 percent were jointed. Oats were 3 percent heading, compared to 32 percent last year and 12 percent average. Crop conditions for all three small grains improved from the previous week.

Topsoil moisture supplies rated surplus were 14 percent, a decline of 30 percentage points from the previous week. Statewide temperatures were nearly average during the week, despite record heat that prevailed in some central and southern areas early in the week. A cold front pushed the hot air out on Wednesday, and by Thursday highs were in the upper 60s in the Metro. Rain fell Friday, followed by patchy clouds over the weekend. Statewide average precipitation was .3 inch, .6 inch below normal.

Fifty-nine percent of alfalfa first cutting was harvested, a 38 point increase from last week and nearly at the average pace of 60 percent. Sixty-three percent of pasture was rated in good condition, a slight improvement from the previous week.

Small Grain Jointing



Days Suitable for Fieldwork: 6.0				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	4	82	14

Crop Progress as of June 12, 2011					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Planted	99	95	100	100
	Emerged	90	79	100	99
	Height (Inches)	7	3	12	10
Soybeans	Land Prepared	97	84	100	100
	Planted	94	75	99	99
Oats	Emerged	67	38	94	90
	Jointed	32	12	85	57
Spring Wheat	Heading	3	0	32	12
	Emerged	93	82	100	97
	Jointed	19	9	77	41
Barley	Planted	99	94	100	100
	Emerged	97	84	100	97
	Jointed	14	4	77	40
Dry Beans	Planted	84	62	92	95
	Emerged	22	NA	NA	NA
Green Peas	Planted	99	88	100	99
Sweet Corn	Planted	66	47	82	82
Canola	Planted	90	79	100	99
Potatoes	Planted	98	94	100	100
Sunflowers	Planted	87	60	99	97
Alfalfa	1st Cutting	59	21	74	60

Condition as of June 12, 2011					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	0	1	12	63	24
Soybeans	0	3	21	63	13
Corn	0	3	20	62	15
Oats	0	1	22	61	16
Barley	1	1	14	60	24
Spring Wheat	1	1	19	61	18
Sugarbeets	1	2	26	59	12
Potatoes	0	1	20	58	21
Canola	0	0	25	72	3
Alfalfa	0	1	14	64	21
Green Peas	1	5	20	62	12

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>

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING June 12, 2011:
 Temperatures averaged from 3.4 degrees below normal in the North Central District to 3.0 degrees above normal in the South Central District.
 Extremes: 31 degrees in International Falls; 103 degrees at the Minneapolis Airport. Average precipitation ranged from 0.96 inch below normal in the Cental District to 0.31 inch below normal in the North Central District. Greatest weekly total of 1.04 inches was recorded in Preston.

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 6/6/2011 through 6/12/2011

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Four Weeks	From Norm Since 4/1	Since May 17	Depart from Norm	
<u>NW DIST 1</u>										
Crookston	82	41	61.7	-2.3	.25	-.57	-.82	-.63	311	-36
Itasca	92	39	58.0	-2.4	.01	-.98	.67	2.22	280	6
Moorhead	94	45	64.5	-.2	.05	-.78	-.55	1.00	335	-26
Warroad	76	40	57.0	-4.5	.33	-.53	.78	2.68	231	-59
<u>NC DIST 2</u>										
Grand Rapids	89	41	60.9	-.6	1.02	-.01	-.47	.57	297	1
Intl. Falls	81	31	54.2	-6.2	.32	-.60	-1.14	.48	255	-25
<u>NE DIST 3</u>										
Duluth	83	42	56.8	-1.6	.15	-.82	-1.49	-.42	217	-20
Grand Marais	71	38	50.2	-1.6	.27	-.51	-.47	.11	122	-14
Hibbing	86	33	57.5	-2.2	.13	-.82	-1.80	-.88	261	-2
<u>WC DIST 4</u>										
Alexandria	95	48	63.6	-.0	.24	-.81	.17	-.13	312	-27
Browns Valley	92	46	63.4	-2.2	.43	-.31	.45	.09	302	-77
Canby	98	46	66.6	-.4	.11	-.85	-.43	-.42	346	-56
Montevideo	97	49	66.8	.6	.10	-.90	-.42	-.39	352	-33
Morris	95	48	65.2	-.4	.17	-.73	.62	.94	326	-51
Wheaton	94	47	65.2	-.4	.43	-.45	-.17	-.67	331	-41
<u>CENT DIST 5</u>										
Becker	100	46	67.2	2.8	.08	-.97	-.06	1.63	375	21
Collegeville	102m	49m	76.2m	10.1m	0m	-1.12m	.14m	.73m	381m	-12m
Hutchinson	99	44	67.2	.8	.16	-.89	2.66	5.07	356	-34
Melrose	100	42	64.4	-1.0	.05	-.96	-.47	.14	334	-35
Olivia	100	50	67.0	.6	.22	-.83	.01	1.97	351	-40
St. Cloud	101	43	64.8	1.1	.12	-.96	.73	1.04	357	17
Wadena	97	48	63.5	1.5	.14	-.85	-.23	-.11	299	-10
Willmar	98	50	66.0	.7	.09	-1.13	-.98	.28	341	-25
<u>EC DIST 6</u>										
Aitkin	93	42	64.7	3.8	0	-.97	2.27	3.73	350	65
Forest Lake	100	47	66.7	1.5	.09	-.97	.16	1.21	383	11
Hinckley	95	39	60.8	-.9	.11	-.86	.77	1.45	293	-2
MSP Airport	103	52	68.9	2.0	.31	-.70	-.08	-.07	426	22
St. Paul - UofM	101	47	67.9	1.4	.28	-.89	-.68	-.60	378	-16
<u>SW DIST 7</u>										
Lamberton	101	51	69.2	1.8	.28	-.62	-.25	.18	393	-17
Marshall	100	49	67.8	.6	.16	-.71	-.17	.46	364	-41
Pipestone	98	46	65.4	-.2	.38	-.55	1.40	2.83	350	-26
Redwood Falls	99	53	67.8	-.4	.13	-.82	-.02	2.36	400	-32
Worthington	100	48	67.9	2.3	.79	-.30	.66	1.18	364	-7
<u>SC DIST 8</u>										
Faribault	100	47	69.3	3.5	.31	-.66	.55	1.65	374m	-1m
North Mankato	98	51	68.4	1.6	.59	-.73	-.66	-.87	386	-12
Waseca	101	50	70.7	4.2	.52	-.45	-.13	.45	411	17
Winnebago	100	51	70.1	2.9	.60	-.48	.49	.47	409	3
<u>SE DIST 9</u>										
Preston	99	42	68.5	3.5	1.04	-.02	1.26	2.24	396	43
Red Wing	101	46	68.4	2.2	.19	-.73	-.59	-1.23	408	22
Rochester	101	47	67.3	2.6	.49	-.41	-.46	.39	409	56
Rosemount	101	48	68.5	2.9	.29	-.78	-.57m	4.30m	397	27
Winona	98	48	68.4	1.7	.23	-.66	-2.18	-2.47	402	8

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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