



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

PLANTING PROGRESSED UNDER DRIER, WARMER WEATHER

Planting of several field crops advanced significantly or neared completion last week as lower rainfall amounts and the warmest temperatures of the season, particularly in southern Minnesota, allowed producers a state-wide average 4.3 days rated suitable for fieldwork, according to the USDA NASS Minnesota Field Office. Soybeans advanced 22 percentage points to 75 percent planted with 38 percent of the crop emerged. Dry beans advanced 21 percentage points to 62 percent planted while sweet corn was 47 percent planted, up from 29 percent a week ago. All three crops remain behind last year's progress and the five-year average. Corn planting neared completion at 95 percent planted. Seventy-nine percent of the corn crop had emerged with 61 percent rated in good condition. Other plantings nearing completion included sugarbeets at 95 percent planted and potatoes at 94 percent planted.

Eighty-two percent of spring wheat and 84 percent of barley was emerged with 9 and 4 percent jointing respectively. Oats was 84 percent emerged with 12 percent jointing. Crop conditions for all three small grains were rated in primarily good condition.

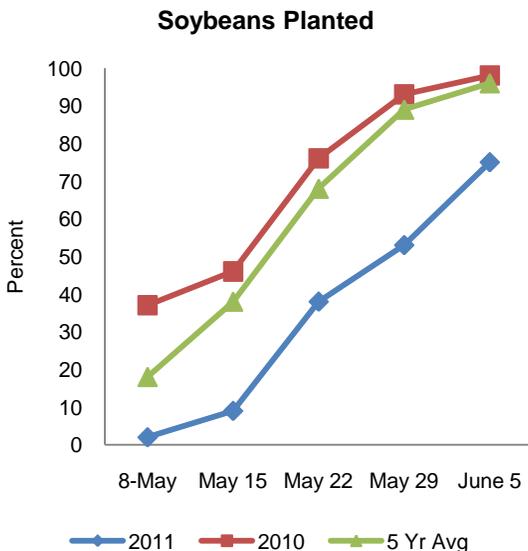
Twenty-one percent of first cutting alfalfa was harvested, well behind last year and average, but up 19 points from last week. Sixty-one percent of pasture was rated in good condition.

Topsoil moisture supplies rated surplus declined from 45 percent to 30 percent following the drier, warmer week, however, wet conditions continue to persist throughout the state. Six percent of the state's topsoil moisture supply was rated surplus a year ago.

Days Suitable for Fieldwork: 4.3				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	1	69	30

Crop Progress as of June 5, 2011					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
					----- Percent -----
Corn	Land Prepared	97	92	100	100
	Planted	95	88	100	100
	Emerged	79	54	97	94
	Height	3	NA	8	6
Soybeans	Land Prepared	84	66	100	99
	Planted	75	53	98	96
	Emerged	38	12	80	74
Oats	Planted	96	93	100	100
	Emerged	84	74	100	96
	Jointed	12	6	68	37
Spring Wheat	Planted	96	92	100	98
	Emerged	82	65	100	93
	Jointed	9	8	54	24
Barley	Planted	94	92	100	98
	Emerged	84	61	100	93
	Jointed	4	3	55	24
Canola	Planted	79	78	100	95
Green Peas	Planted	88	74	100	97
Sweet Corn	Planted	47	29	72	72
Dry Beans	Planted	62	41	84	87
Potatoes	Planted	94	90	100	98
Sunflowers	Planted	60	44	96	90
Sugarbeets	Planted	95	90	100	100
Alfalfa	1st Cutting	21	2	65	43

Condition as of June 5, 2011					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	0	1	14	61	24
Oats	1	2	29	53	15
Corn	0	3	22	61	14
Barley	1	1	21	62	15
Spring Wheat	0	1	26	58	15
Sugarbeets	1	4	38	45	12
Potatoes	0	1	45	42	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 5, 2011:
 Temperatures averaged from 1.5 degrees below normal in the North Central District to 6.6 degrees above normal in the Southeast District. Extremes: 31 degrees in Hibbing; 96 degrees in Rochester and Waseca. Average precipitation ranged from 0.77 inch below normal in the Southeast District to 0.23 inch above normal in the Northwest District. Greatest weekly total of 1.64 inches was recorded in Alexandria.

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 5/30/2011 through 6/5/2011

	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	43	60.6	-1.7	.80	.05	-.54	-.06	219	-24
Itasca	80	41	60.2	1.7	1.19	.30	1.90	3.19	208	18
Moorhead	85	47	64.9	2.0	.72	-.06	1.37	1.78	234	-19
Warroad	80	41	56.7	-2.8	1.31	.54	1.28	3.21	170	-30
<u>NC DIST 2</u>										
Grand Rapids	78	43	60.0	.2	.66	-.26	-.88	.59	204	-3
Intl. Falls	79	34	55.6	-3.2	.32	-.51	-.82	1.08	188	-7
<u>NE DIST 3</u>										
Duluth	76	42	57.4	.6	.59	-.29	-1.03	.40	152	-13
Grand Marais	81	38	53.3	2.8	.30	-.43	-.08	.62	103	8
Hibbing	79	31	56.3	-1.7	.24	-.60	-1.39	-.05	184	0
<u>WC DIST 4</u>										
Alexandria	84	50	65.0	3.1	1.64	.69	.99	.68	220	-17
Browns Valley	87	49	63.8	.0	.59	-.08	1.33	.40	210	-56
Canby	87	49	66.3	1.3	.55	-.32	1.25	.43	237	-44
Montevideo	89	47	66.0	1.8	.58	-.34	.67	.51	245	-23
Morris	87	48	64.3	.6	.59	-.24	2.48	1.67	224	-40
Wheaton	87	50	64.8	1.2	.38	-.41	.77	-.22	229	-30
<u>CENT DIST 5</u>										
Becker	86	52	66.5	3.9	1.06	.09	1.25	2.59	260	12
Collegeville	85	50	69.2	4.8	.36	-.68	1.26	1.84	295	18
Hutchinson	87	49	65.4	1.0	1.41	.46	4.21	5.96	238	-34
Melrose	85	48	64.5	1.1	.35	-.59	.66	1.10	234	-23
Olivia	88	41	65.8	1.4	.73	-.22	2.45	2.80	242	-31
St. Cloud	86	50	67.0	5.1	1.45	.49	1.67	2.00	257	19
Wadena	83	47	61.8	1.5	.89	-.02	.80	.74	208	-8
Willmar	89	48	65.4	2.1	.57	-.51	.59	1.42	237	-18
<u>EC DIST 6</u>										
Aitkin	81	45	62.5	3.3	1.46	.57	2.89	4.46	223	24
Forest Lake	86	52	65.8	2.4	.57	-.41	1.89	2.18	266	6
Hinckley	83	47	61.2	1.4	1.18	.27	1.72	2.31	205	0
MSP Airport	91	55	72.2	7.2	.05	-.88	.53	.63	306	23
St. Paul - UofM	89	53	68.0	3.5	.08	-1.00	.15	.29	261	-14
<u>SW DIST 7</u>										
Lamberton	90	47	68.3	3.0	.67	-.18	1.44	.81	271	-15
Marshall	89	48	67.0	1.8	.31	-.52	1.17	1.16	251	-32
Pipestone	86	42	66.8	3.1	1.21	.32	2.94	3.38	248	-14
Redwood Falls	90	51	70.6	4.3	.80	-.07	1.68	3.18	286	-17
Worthington	90	48	67.6	4.1	1.17	.17	1.70	1.49	248	-10
<u>SC DIST 8</u>										
Faribault	94	54	70.6	6.9	.31	-.63	1.88	2.31	270	10
North Mankato	90	50	68.4	3.7	.16	-1.00	.76	-.15	269	-9
Waseca	96	48	70.2	5.7	.41	-.55	.60	.91	280	5
Winnebago	93	52	69.5	4.5	.39	-.64	1.09	.95	283	0
<u>SE DIST 9</u>										
Preston	93	54	70.9	8.1	.08	-.92	1.88	2.26	276	32
Red Wing	91	53	69.2	5.0	.48	-.40	.27	-.50	285	15
Rochester	96	53	72.2	9.5	.05	-.81	.64	.80	299	53
Rosemount	92	53	69.2	5.7	.22	-.81	.00	5.08	276	19
Winona	92	57	70.2	5.6	.03	-.84	-1.18	-1.81	281	7

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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