



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

CORN AND SOYBEAN HARVEST UNDERWAY

Harvest was underway for corn and soybeans, according to the USDA, NASS, Minnesota Field Office. As of September 25, 2 percent of corn was harvested, compared to 2 percent last year and 3 percent for the five-year average.

Soybeans were 3 percent harvested compared to 6 percent last year and 9 percent average. Other harvest activities included corn chopped for silage at 82 percent complete, dry beans at 50 percent, and potatoes at 48 percent. The sugarbeet harvest advanced 1 percentage point to 4 percent harvested, compared to 16 percent last year and 12 percent average. The sweet corn harvest was virtually complete at 97 percent.

Dry conditions persisted despite scattered rain showers that fell early in the week. Amounts varied from near zero in southwestern areas to almost an inch in northwestern areas. Topsoil moisture supplies held steady from last week and were rated 13 percent very short, 35 percent short, 50 percent adequate, and 2 percent surplus. Fall-like weather prevailed as below average temperatures were observed at most reporting stations. Temperatures were 3.6° below normal statewide, and 5.7 days were rated suitable for fieldwork.

Ninety-six percent of corn was in the dent stage, compared to 97 percent average, while 52 percent of corn was mature, compared to 58 percent average. Corn condition ratings were nearly equal to last week.

Ninety-one percent of soybeans were turning yellow, compared to 97 percent average, while 74 percent of soybeans were dropping leaves, compare to 84 percent average. Thirty-six percent of the state's soybeans were mature, compared to 52 percent average. Soybean condition ratings were nearly equal to last week.

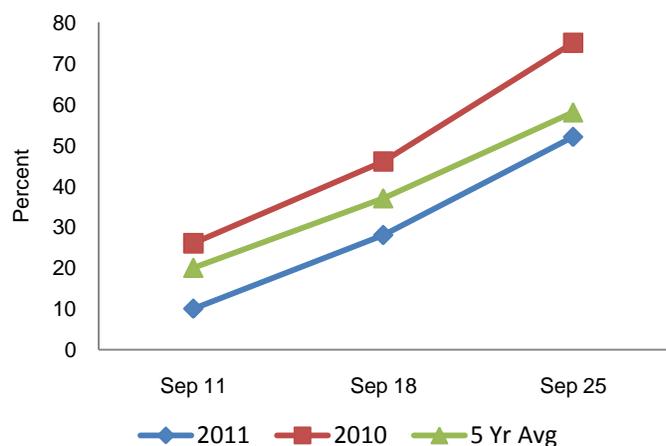
Pasture condition was rated 6 percent very poor, 19 percent poor, 32 percent fair, 34 percent good, and 9 percent excellent.

Days Suitable for Fieldwork: 5.7				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	13	35	50	2

Crop Progress as of September 25, 2011					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Dent	96	92	100	97
	Mature	52	28	75	58
	Harvested	2	0	2	3
Corn Silage	Harvested	82	68	91	80
Soybeans	Turning Yellow	91	73	99	97
	Dropping Leaves	74	41	87	84
	Mature	36	7	58	52
Sugarbeets	Harvested	3	NA	6	9
	Harvested	4	3	16	12
Dry Beans	Leaves Yellowing	95	92	100	NA
	Dropping Leaves	87	73	96	NA
	Harvested	50	31	63	60
Potatoes	Harvested	48	38	60	59
Sweet Corn	Harvested	97	89	95	94

Condition as of September 25, 2011					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	6	19	32	34	9
Soybeans	4	13	34	41	8
Corn	3	11	29	47	10
Sugarbeets	5	15	35	39	6
Potatoes	1	2	25	55	17
Dry Beans	4	11	43	34	8
Sunflowers	2	9	40	43	6

Corn Mature



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 September 25, 2011:
 Temperatures averaged from 4.9 degrees below normal in the South Central District to 0.9 degree below normal in the Northwest District. Extremes: 28 degrees in International Falls; 79 degrees in Canby, Browns Valley, Lamberton, Marshall. Average precipitation ranged from 0.51 inch below normal in the Southwest District to 0.44 inch above normal in the Northwest District. Greatest weekly total of 1.37 inches was recorded in Warroad.

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 9/19/2011 through 9/25/2011

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 17	Depart from Norm
<u>NW DIST 1</u>										
Crookston	76	33	54.6	.3	.87	.38	-.79	-1.72	2157	75
Itasca	71	31	49.2	-1.5	.49	-.17	-2.01	.40	1825m	116m
Moorhead	78	35	55.0	-.4	.17	-.33	-1.63	4.85	2366	184
Warroad	71	32	49.7	-1.9	1.37	.78	-.27	.26	1794	-23
<u>NC DIST 2</u>										
Grand Rapids	72	34	48.8	-3.8	.56	-.14	-1.95	1.54	1967	148
Intl. Falls	71	28	48.0	-2.7	.76	.08	-.89	-1.65	1776	82
<u>NE DIST 3</u>										
Duluth	68	36	49.4	-3.1	.31	-.61	-2.41	-.02	1760	136
Grand Marais	71	41	50.8	-2.2	.79	.01	-1.10	-2.26m	1071m	-219m
Hibbing	68	31	46.8	-4.4	.53	-.20	-1.50	-4.28	1722	62
<u>WC DIST 4</u>										
Alexandria	72	36	52.4	-2.9	.44	-.15	-1.60	5.64	2207	110
Browns Valley	79	30	52.3	-4.9	.34	-.07	-1.23	2.31	2251	-66
Canby	79	35	54.0	-5.1	.16	-.38	-1.86	.12	2431	-13
Montevideo	77	33	52.8	-4.9	.19	-.30	-1.25	1.00	2356	39
Morris	75	34	51.6	-4.9	.37	-.11	-1.50	1.86	2221	-23
Wheaton	77	37	53.4	-3.3	.41	-.07	-1.42	4.23	2292	-3
<u>CENT DIST 5</u>										
Becker	M	M	M	M	.22	-.45	-2.35	4.18	2319m	204m
Collegeville	75	36	53.2	-5.4	.30	-.40	-2.26	7.42	2501	144
Hutchinson	74	38	52.6	-4.8	.27	-.20	-1.70	5.79m	2410	110
Melrose	71	34	51.0	-5.3	.35	-.27	-2.01	2.53	2233	3
Olivia	75	35	52.6	-4.2	.04	-.55	-2.35	-.44	2322	59
St. Cloud	73	34	51.8	-3.2	.19	-.43	-2.05	2.83	2290	227
Wadena	71	33	49.5	-3.7	.60	.01	-1.48	-5.88m	1317m	-556m
Willmar	74	34	51.2	-5.1	.65	.05	-1.06	4.63	2246	64
<u>EC DIST 6</u>										
Aitkin	70	32	49.3	-3.6	.54	-.11	-1.91	3.13	2154	387
Forest Lake	75	37	53.6	-3.3	.31	-.40	-2.38	.14	2399	183
Hinckley	70	32	48.6	-4.3	.62	-.10	-1.59	.21m	1846m	-7m
MSP Airport	75	41	56.4	-2.2	.09	-.47	-2.34	.39	2700	276
St. Paul - UofM	72	38	53.0	-5.9	.30	-.39	-2.45	5.44	2439	52
<u>SW DIST 7</u>										
Lamberton	79	30	53.3	-4.6	.04	-.51	-2.36	1.16	2475	118
Marshall	79	37	54.8	-3.7	0	-.50	-1.88	-.86	2445	30
Pipestone	77	30	51.2	-5.6	0	-.62	-1.98	4.81	2267	-5
Redwood Falls	78	33	54.3	-5.1	0	-.52	-2.31	-2.27	2539	41
Worthington	78	32	53.0	-3.8	.17	-.37	-1.56	4.24	2344	128
<u>SC DIST 8</u>										
Faribault	M	M	M	M	M	M	M	-4.78m	613m-1648m	
North Mankato	73	37	52.9	-5.6	.26	-.39	-2.02	-2.79	2384	27
Waseca	73	37	54.0	-3.9	.30	-.37	-2.26	-.46	2454	155
Winnebago	76	35	54.0	-5.2	.21	-.34	-1.67	-1.51	2535	150
<u>SE DIST 9</u>										
Preston	76	34	55.0	-2.4	.80	.04	-1.38	-3.92	2388	207
Red Wing	74	39	54.2	-4.1	.23	-.54	-2.65	-.39	2538	196
Rochester	75	39	55.4	-1.4	.29	-.37	-1.06	-2.07	2367	221
Rosemount	73	36	54.2	-3.6	.14	-.61	-2.84	2.30	2458	220
Winona	73	44	56.2	-2.6	.43	-.32	-1.93	.90	2461m	80m

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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