



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 PROGRESSED WELL DURING SEPTEMBER

Corn development remains behind last year and average, but good progress was made toward maturity in September due, in part, to above-normal temperatures during the month, according to the USDA, NASS, Minnesota Field Office. As of Sunday, 17 percent of the corn crop was rated mature, 21 percentage-points behind last year and 42 points behind average. However, corn at or beyond the dent stage reached 91 percent, just 6 points behind last year and average. On August 30th, corn denting was 15 points behind last year and 43 points behind average. Seventy percent of corn was rated in good to excellent condition, unchanged from a week ago.

Temperatures were mild for most of the reporting period with daytime highs generally in the mid 60s to mid 70s over much of Minnesota. However, the recent stretch of mild weather came to a halt Sunday as a strong cold front brought gusty winds and falling temperatures to the state. Significant rain fell across southern Minnesota on Friday with precipitation amounts ranging from one-half to over 3 inches. Topsoil moisture supplies were 60 percent adequate to surplus, up from 53 percent last week.

Soybean maturity continued to track the pace set in 2008. Eighty-one percent of soybeans were dropping leaves, up 32 points from last week and identical to last year. Thirty-six percent of soybeans were rated mature, 3 points behind last year, and 21 points behind average. Five percent of soybeans were harvested compared to 7 percent a year ago. Statewide, 65 percent of soybeans were rated in good to excellent condition, down 1 point from a week ago.

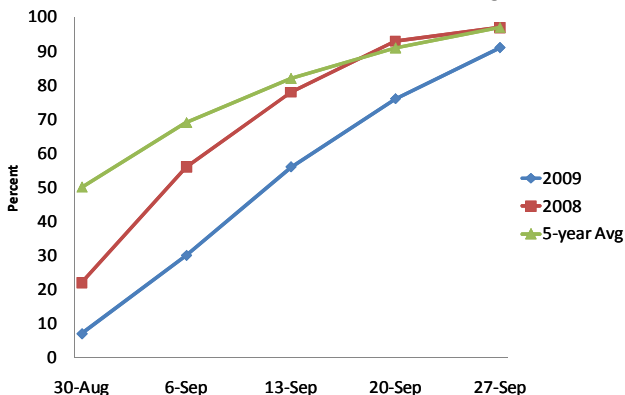
Spring wheat and barley harvest was nearly complete at 98 and 99 percent harvested, respectively. Canola harvest advanced 34 points to 80 percent harvested. Sugarbeet harvest advanced 3 points to 11 percent complete as pre-pile harvest continued.

Days Suitable for Fieldwork: 5.4				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	11	29	58	2

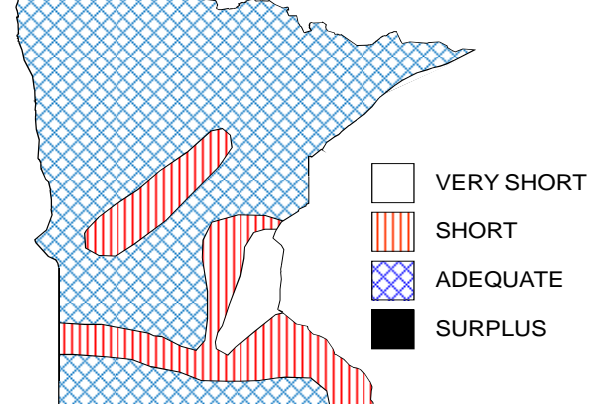
Crop Progress as of September 27, 2009					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Dent	91	76	97	97
	Mature	17	4	38	59
Corn Silage	Harvested	63	38	77	76
Soybeans	Turning Yellow	97	85	97	97
	Dropping Leaves	81	49	81	84
	Mature	36	10	39	57
	Harvested	5	1	7	15
	Moisture	12	NA	13	13
Spring Wheat	Harvested	98	86	100	98
Barley	Harvested	99	90	100	99
Potatoes	Harvested	52	37	54	62
Canola	Harvested	80	46	84	92
Dry Beans	Harvested	52	25	66	58
Sweet Corn	Harvested	92	83	90	93
Sugarbeets	Harvested	11	8	9	11

Condition as of September 27, 2009					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	10	21	35	33	1
Soybeans	2	6	27	52	13
Corn	2	5	23	52	18
Potatoes	0	1	9	67	23
Canola	0	13	42	34	11
Sunflowers	1	8	35	47	9
Dry Beans	2	6	26	58	8
Sugarbeets	1	2	27	57	13

Field Corn: Percent Denting



TOPSOIL MOISTURE AS OF SEPTEMBER 27th



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING September 27, 2009:
 Temperatures averaged from 9.2 degrees above normal in the Northwest District to 3.6 degrees above normal in the Southwest District.
 Extremes: 35 degrees in Hibbing; 82 degrees in Winnebago. Precipitation averaged from 0.95 inch above normal in the Southwest District to 0.53 inch below normal in the Northeast District. Greatest weekly total of 3.53 inches was recorded in Montevideo.

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 9/21/2009 through 9/27/2009

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Since 4/1	Since May 4	Depart from Norm
<u>NW DIST 1</u>										
Crookston	79	43	62.8	9.2	.05	-.44	-.45	1.39	2012	-192
Moorhead	80	42	61.9	7.3	.74	.24	.01	-4.80	2223	-89
Warroad	77	43	62.0	11.1	.44	-.14	-.47	1.32	1674	-236
<u>NC DIST 2</u>										
Grand Rapids	79	43	61.0	9.1	.58	-.12	-2.31	-5.04	1914	-9
Intl. Falls	77	37	57.8	7.7	1.00	.34	-1.04	-3.62	1623	-166
Itasca	76	44	61.0	11.0	1.10	.44	-.79	-4.32	1822	24
<u>NE DIST 3</u>										
Duluth	76	45	61.4	9.6	.29	-.60	-2.56	-6.43	1697	-11
Grand Marais	68	48	59.8	7.4	.26	-.51	-2.79	-4.67	1160	-185
Hibbing	78	35	58.4	7.8	.24	-.48	-2.35	-6.53	1700	-51
<u>WC DIST 4</u>										
Alexandria	76	49	61.8	7.2	.27	-.31	-1.45	-9.14	2175	-44
Browns Valley	78	46	60.2	3.8	1.80	1.40	1.57	-.25	2113	-344
Canby	80	46	60.8	2.4	1.72	1.19	-.41	-5.99	2364	-226
Dalton	78	52	63.3	7.5	.40	-.07	-.53	-2.86	2195	-103
Montevideo	81	47	61.9	5.0	3.53	3.05	1.55	-2.43	2237	-217
Morris	79	50	61.8	6.1	.81	.33	.43	-7.33	2156	-223
<u>CENT DIST 5</u>										
Becker	79	51	64.0	9.1	.37	-.28	-2.64	-6.53	2346	103
Hutchinson	78	46	63.7	6.7	.79	.33	-.13	-5.29	2415	-56
Melrose	79	45	60.8	5.3	.32	-.29	-1.58	-3.95	2044	-314
Olivia	78	46	60.2	4.1	1.22	.64	.02	-3.14	2190	-212
St. Cloud	79	48	62.1	7.8	.74	.13	-2.05	-4.52	2189	3
Staples	78	42	61.2	8.2	.18	-.41	-2.06	-4.11	2049	68
Willmar	79	47	63.2	6.9	.39	-.20	-2.26	-4.49	2349	-51
<u>EC DIST 6</u>										
Aitkin	75	48	61.8	9.5	.25	-.39	-2.30	-4.10	1908	41
Forest Lake	81	53	65.9	9.7	.45	-.24	-2.69	-8.85	2405	53
Hinckley	76	41	61.6	9.4	.28	-.43	-2.82	-3.01	1830	-125
MSP Airport	78	49	65.2	7.3	.45	-.10	-2.12	-6.43	2630	57
St. Paul - UofM	77	49	64.4	5.0	.32	-.35	-2.74	-10.26	2474	-181
<u>SW DIST 6</u>										
Lamberton	79	44	62.2	5.0	2.26	1.72	.35	-4.10	2350	-152
Marshall	80	45	61.6	3.9	1.83	1.34	.06	-4.92	2398	-162
Redwood Falls	78	47	61.2	2.6	1.65	1.14	.33	-7.90	2489	-167
Worthington	79	44	60.4	4.3	1.62	1.09	-.54	-.78	2230	-115
<u>SC DIST 8</u>										
Faribault	78	49	65.2	8.6	1.03	.38	-2.04	-5.08	2301	-91
Mankato	79	49	63.2	5.8	.66	.02	-2.31	-10.65	2278	-219
Waseca	78	49	63.8	6.6	.68	.02	-1.60	-10.16	2277	-163
Winnebago	82	50	63.2	4.8	2.15	1.60	-.38	-7.17	2428	-103
<u>SE DIST 9</u>										
Preston	78	47	64.0	7.3	1.16	.42	-1.86	-5.37	2209	-96
Red Wing	80	51	64.8	7.3	.65	-.09	-2.67	-3.76	2331	-152
Rochester	76	46	63.0	6.9	1.28	.64	-1.71	-4.30	2169	-103
Rosemount	77	48	63.4	6.3	.37	-.36	-2.98	-6.45	2243	-127

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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