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E-mail: [nass-mn@nass.usda.gov](mailto:nass-mn@nass.usda.gov)

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USDA, NASS, MINNESOTA FIELD OFFICE, IN COOPERATION WITH THE NATIONAL WEATHER SERVICE - CHANHASSEN MN,  
UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, AND USDA-NRCS

**RAIN BOOSTED SOIL MOISTURE SUPPLIES BUT SLOWED HARVEST**

Widespread rain during the past week boosted the statewide topsoil moisture supply rating to nearly 80 percent adequate or surplus for the first time since June, according to USDA, NASS, Minnesota Field Office. Although rains reduced the number of days suitable for fieldwork to an average of 4.6 for the week, producers were able to make some progress on the harvesting corn, soybean, dry edible bean and potatoes. Pasture and crop condition ratings were generally improved with the added moisture.

The average temperature for the week was 62.2°, 5.7° above normal. Statewide topsoil moisture supplies as of Friday were rated 5 percent very short, 16 short, 73 adequate, and 6 surplus.

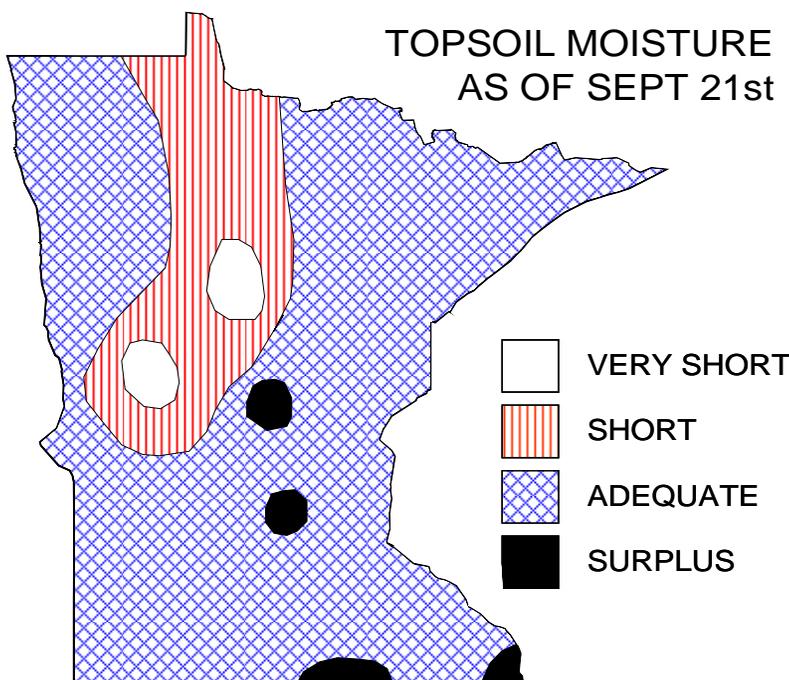
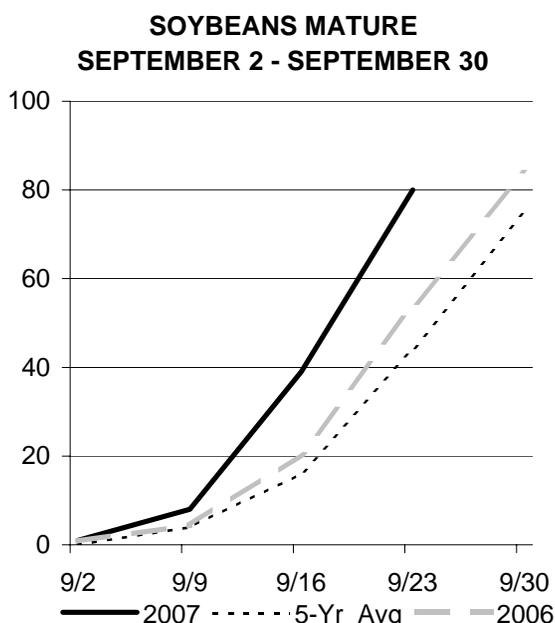
As of Sunday, Sept 23<sup>rd</sup>, 87 percent of corn was mature, compared to 54 percent average. Nine percent of corn was harvested for grain compared to 2 percent average, and corn cut for silage was 90 percent complete, compared to 72 percent average. Ninety-six percent of soybeans were dropping leaves compared to 77 percent average. Eighty-five percent of soybeans were mature compared to 44 percent average, and 13 percent were harvested compared to 9 percent average.

As of Friday, Sept 21<sup>st</sup>, 43 percent of field corn, and 53 percent of soybean were rated in good or excellent condition. Eighty-six percent of potatoes, 63 percent of sunflowers, 69 percent of sugarbeets, and 34 percent of pasture were rated in good or excellent condition.

Days Suitable for Fieldwork: 4.6				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	5	16	73	6

Crop Progress as of September 23, 2007					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
Corn	Mature	87	73	73	54
	Harvested	9	3	2	2
	Moisture	25	N/A	N/A	N/A
Soybeans	Silage	90	84	85	72
	Dropping Leaves	96	81	86	77
	Mature	80	39	54	44
Soybeans	Harvested	13	5	6	9
	Moisture	14	16	N/A	N/A
Sugarbeets	Harvested	10	8	12	7
Sweet Corn	Harvested	99	93	96	91
Potatoes	Harvested	58	49	75	53
Dry Beans	Harvested	58	40	69	48
Sunflowers	Harvested	1	0	2	0

Crop Condition as of September 21, 2007 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	10	19	37	30	4
Corn	10	14	33	36	7
Soybeans	5	11	31	44	9
Sugarbeets	2	5	24	48	21
Potatoes	0	1	13	73	13
Dry Beans	3	11	36	43	7
Sunflowers	2	4	31	49	14



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING September 23,2007:  
 Temperatures averaged from 3.3 degrees above normal in the Northeast District to 7.0 degrees above normal in the Southwest District. Extremes: 32 degrees in International Falls; 93 degrees in Moorhead. Precipitation averaged from 0.10 inch below normal in the Southeast District to 2.17 inches above normal in the East Central District. Greatest weekly total was 4.70 inches recorded in Staples.

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 9/17/2007 through 9/23/2007

	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 3	Depart from Norm
<u>NW DIST 1</u>										
Crookston	78	41	57.4	2.3	.78	.28	2.03	2.88	2234	52
Moorhead	93	44	62.5	6.4	1.35	.85	1.38	4.22	2511	222
Warroad	76	38	56.3	4.0	.13	-.47	-1.01	.79	2043	150
<u>NC DIST 2</u>										
Grand Rapids	84	39	58.4	5.2	2.48	1.77	3.22	-3.59	2213	309
Intl. Falls	84	32	55.6	4.2	1.15	.45	-.00	-1.16	1867	92
Itasca	75	40	56.0	4.6	1.11	.44	.31	.14	2107	325
<u>NE DIST 3</u>										
Duluth	80	36	58.8	5.6	2.89	1.94	.44	-6.21	1953	265
Grand Marais	65	42	54.8	1.1	2.72	1.93	2.86	-1.28	1220	-102
Hibbing	82	33	55.2	3.3	1.47	.73	-.78	-9.93	1899	165
<u>WC DIST 4</u>										
Alexandria	88	45	63.4	7.3	1.81	1.21	-.55	-8.13	2508	313
Browns Valley	81	40	61.0	3.1	3.85	3.44	3.03	8.02	2403	-26
Canby	88	41	64.1	4.2	.88	.34	-1.16	-1.73	2669	112
Fergus Falls	80	38	58.0	1.9	.60	.12	-1.48	.79	2426	200
Montevideo	91	47	69.2	10.8	2.48	1.98	.58	-1.04	2629	204
Morris	86	41	61.6	4.3	4.10	3.63	2.74	1.07	2454	101
<u>CENT DIST 5</u>										
Becker	82	48	63.4	7.7	2.34	1.65	.99	-4.51	2633	470
Collegeville	87	48	65.8	6.5	1.90	1.19	-.14	-4.08	2768	293
Hutchinson	90	44	67.4	8.9	1.30	.81	.89	-3.69	2714	272
Olivia	91	44	64.1	6.6	1.40	.79	.28	-2.80	2574	200
St. Cloud	86	42	63.2	7.5	2.35	1.71	.13	-3.60	2516	353
Staples	74	42	59.0	4.6	4.70	4.11	3.14	.79	2231	271
Willmar	89	43	63.4	5.6	2.71	2.10	.24	-1.27	2634	261
<u>EC DIST 6</u>										
Aitkin	76	43	60.6	7.0	1.82	1.17	1.39	-5.51	2209	362
Forest Lake	83	46	62.8	5.2	2.64	1.92	.18	-3.54	2606	282
MSP Airport	85	50	67.2	7.8	3.03	2.45	2.88	1.90	2926	384
St. Paul - UofM	85	48	68.2	7.4	3.83	3.13	3.71	-4.41	2943	323
<u>SW DIST 7</u>										
Lamberton	90	44	65.4	6.8	.65	.08	-1.19	-2.16	2654	182
Pipestone	86	42	62.6	5.0	.98	.35	-.59	-3.36	2595	216
Redwood Falls	91	46	67.6	7.5	1.53	.99	.04	-1.40	2718	95
Worthington	89	43	64.5	7.0	.87	.31	-.05	4.52	2637	320
<u>SC DIST 8</u>										
Faribault	89	44	66.4	8.3	.77	.07	-.50	-3.28	2664	301
Mankato	91	44	65.4	6.6	.55	-.12	-1.40	-4.77	2672	206
Waseca	92	42	65.2	6.5	.47	-.22	-.49	1.83	2666	256
Winnebago	91	46	66.0	6.1	.70	.14	-.71	-5.16	2663	164
<u>SE DIST 9</u>										
Preston	87	41	64.4	6.3	.26	-.53	.69	7.33	2474	199
Red Wing	84	49	65.7	6.7	.71	-.08	-.38	-.33	2690	237
Rochester	90	47	67.8	10.3	.25	-.43	1.57	4.56	2659	414
Rosemount	87	46	65.0	6.6	1.91	1.14	-.37	-1.52	2674	334
Winona	85	48	64.4	3.0	.14	-.63	-.67	5.49	2593	-128

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.

The MINNESOTA WEEKLY CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the USDA-NASS Minnesota Field Office, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. POSTMASTER: Send address changes to the MINNESOTA WEEKLY CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

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