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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

CROP CONDITIONS CONTINUED DOWNWARD

Crop conditions continued to decline amid the heat and dry weather, with only few spotty showers recorded during the week, according to USDA, NASS, Minnesota Field Office. Topsoil moisture supplies continued downward with only 21 percent of the state rated as adequate; mostly in the northwest corner of the state. Blooming of Minnesota's soybean crop was slowed amid dry conditions causing development to slip behind the five-year average pace.

The average temperature for the week was 75.9°, 5.6° above normal. Statewide topsoil moisture supplies as of Friday were rated 46 percent very short, 32 short, 21 adequate, and 1 surplus.

As of Sunday July 29th, forty-nine percent of corn acreage was in the milk stage compared to 17 percent for the five year average. Soybeans were 88 percent blooming compared to 89 percent average. Ninety-one percent of spring wheat acreage was turning ripe, with 12 percent combined. Oats were 96 percent turning ripe, with 52 percent combined.

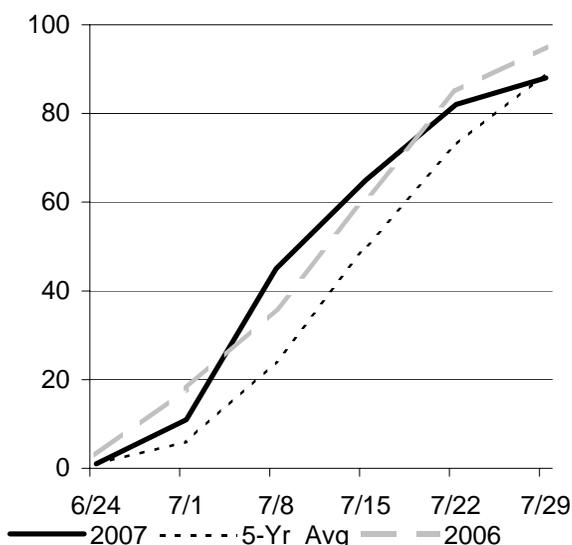
As of Friday, July 27th, thirty percent of field corn and 38 percent of soybeans were rated in Good or Excellent condition. Sixty-one percent of spring wheat was rated in Good or Excellent condition. Sunflower conditions were rated 66 percent Good or Excellent, and only 13 percent of pasture was rated in Good or Excellent condition.

Days Suitable for Fieldwork: 6.4				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	46	32	21	1

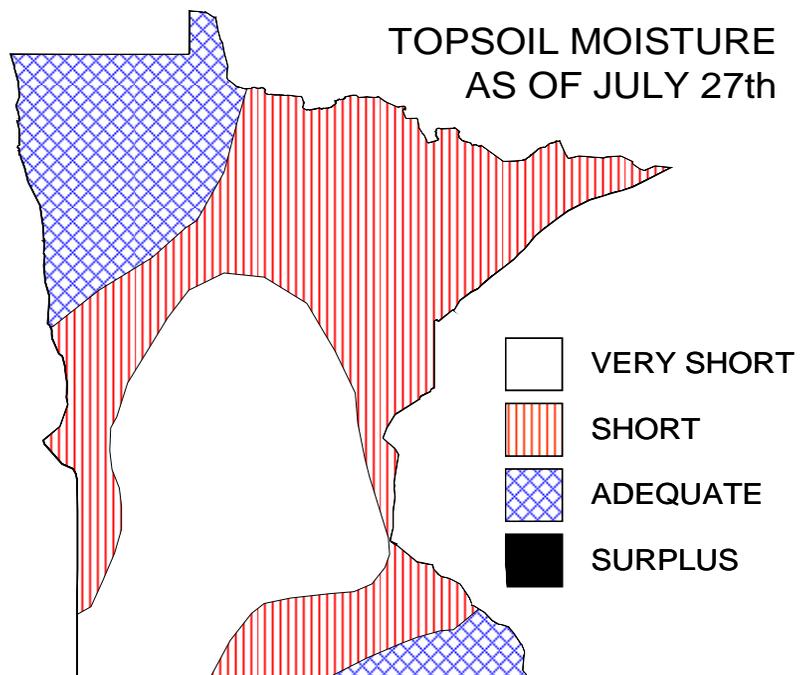
Crop Progress as of July 29, 2007					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Silking	98	90	96	88
	Milk	49	12	28	17
	Dough	5	0	2	1
Soybeans	Blooming	88	82	95	89
	Setting Pods	56	25	57	38
Spring Wheat	Turning Ripe	91	75	94	70
	Harvested	12	4	8	4
Oats	Turning Ripe	96	90	99	88
	Harvested	52	26	44	26
Barley	Turning Ripe	96	88	99	77
	Harvested	35	13	29	11
Sweet Corn	Harvested	22	7	10	3
Potatoes	Harvested	3	0	0	0

Crop Condition as of July 27, 2007 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	31	36	20	12	1
Corn	13	24	33	27	3
Soybeans	8	18	36	33	5
Spring Wheat	2	7	30	41	20
Oats	13	12	28	37	10
Barley	9	10	23	36	22
Sugarbeets	4	8	27	50	11
Potatoes	0	1	14	63	22
Dry Beans	5	11	27	45	12
Canola	2	7	16	43	32
Sunflowers	0	4	30	45	21

**SOYBEANS BLOOMING
JUNE 24 - JULY 29**



**TOPSOIL MOISTURE
AS OF JULY 27th**



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 29,2007:
 Temperatures averaged from 3.0 degrees above normal in the Southeast District to 7.0 degrees above normal in the Central District. Extremes: 48 degrees in Aitkin; 98 degrees in Forest Lake. Precipitation averaged from 0.73 inch below normal in the Northeast District to 0.43 inch above normal in the South Central District. Greatest weekly total was 3.24 inches 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 7/23/2007 through 7/29/2007

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	From Norm Since 4/1	Since May 3	Depart from Norm
<u>NW DIST 1</u>										
Crookston	95	53	75.8	5.6	.03	-.64	-.93	2.03	1418	87
Moorhead	96	55	77.1	5.8	.13	-.47	-1.40	3.63	1611	219
Warroad	95	56	76.1	8.2	0	-.76	.96	2.84	1291	134
<u>NC DIST 2</u>										
Grand Rapids	94	57	76.4	8.5	.69	-.28	-2.64	-3.87	1411	237
Intl. Falls	92	49	71.8	5.2	.09	-.61	-1.50	.53	1188	87
Itasca	92	53	73.5	6.8	.92	.07	.73	2.59	1359	270
<u>NE DIST 3</u>										
Duluth	88	61	75.2	8.9	.43	-.49	-1.91	-3.11	1176	176
Grand Marais	87	57	67.2	4.7	.01	-.72	-1.99	-2.24	621	-43
Hibbing	92	50	72.0	5.5	.01	-.98	-2.16	-5.57	1194	132
<u>WC DIST 4</u>										
Alexandria	95	64	78.4	7.7	.01	-.69	-2.26	-4.85	1583	247
Browns Valley	94	52	76.0	3.1	.96	.21	-1.34	5.32	1511	35
Canby	94	62	78.4	4.7	.58	-.10	-1.96	-1.67	1691	144
Fergus Falls	97	57	77.4	6.7	.09	-.63	-2.08	3.99	1564	215
Montevideo	92	59	76.3	4.0	1.20	.48	-1.77	-4.24	1650	174
Morris	93	55	77.0	5.4	.11	-.75	-2.63	-1.25	1563	123
<u>CENT DIST 5</u>										
Becker	93	62	78.9	8.7	.11	-.83	-1.88	-6.22	1653	322
Collegeville	96	63	79.6	6.9	.23	-.54	-2.09	-5.95	1747	245
Hutchinson	95	57	77.4	5.1	.45	-.39	-2.92	-5.66	1690	184
Olivia	94	58	77.1	5.6	.30	-.44	-2.45	-3.85	1608	134
St. Cloud	94	57	77.9	7.7	.11	-.62	-1.36	-4.24	1600	269
Staples	93	60	75.8	7.8	.72	-.04	-1.93	.10	1418	220
Willmar	96	63	78.9	7.3	.60	-.18	-2.48	-4.05	1654	194
<u>EC DIST 6</u>										
Aitkin	94	48	73.2	6.0	1.12	.10	-1.77	-4.64	1383	252
Forest Lake	98	63	78.4	7.2	.05	-.97	-1.94	-5.20	1620	197
MSP Airport	96	66	80.2	6.6	.80	-.10	-.35	-5.23	1825	275
St. Paul - UofM	95	61	79.2	5.4	.07	-.89	-1.79	-7.67	1831	237
<u>SW DIST 7</u>										
Lamberton	92	58	77.6	5.4	0	-.79	-2.46	-3.10	1663	130
Pipestone	94	56	77.2	5.2	0	-.70	-2.69	-5.90	1606	155
Redwood Falls	95	59	78.1	4.3	.06	-.77	-3.27	-4.91	1690	79
Worthington	90	54	75.4	4.2	.06	-.69	-1.16	-4.16	1640	212
<u>SC DIST 8</u>										
Faribault	94	58	77.2	5.6	2.11	1.13	-1.56	-5.63	1639	192
Mankato	90	59	75.8	3.4	1.85	.92	-1.44	-7.18	1674	165
Waseca	90	56	75.4	3.9	.28	-.76	-1.73	-3.90	1625	143
Winnebago	91	58	75.2	2.9	1.36	.43	-1.79	-7.16	1584	54
<u>SE DIST 9</u>										
Preston	89	54	72.0	1.3	3.24	2.18	-.49	-1.30	1487	106
Red Wing	97	59	75.9	3.4	.18	-.76	-2.95	-5.82	1654	164
Rochester	89	61	75.1	4.7	.35	-.70	-3.10	-5.44	1628	258
Rosemount	95	60	77.2	6.0	.03	-1.03	-1.93	-5.95	1656	228
Winona	90	56	74.2	-.8	2.50	1.55	-.08	-1.61	1587	-70

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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