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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

SCATTERED RAINS IMPROVED TOPSOIL MOISTURE

Scattered rain showers across the state boosted topsoil moisture supplies this past week, according to USDA, NASS, Minnesota Field Office. Winds and wet field conditions delayed post emergence spraying progress in many locations. Crop condition ratings showed improvement in small grains and pasture due to the rain.

The average temperature for the week was 58.3°, 1.0° below normal. Statewide topsoil moisture supplies as of Friday were rated 5 percent very short, 19 short, 70 adequate, and 6 surplus.

As of Sunday May 27th, an estimated 95 percent of corn acreage was emerged, compared to the five-year average of 71 percent. Corn height was estimated at 4 inches, compared to 1 inch for the average. Soybeans planted were 94 percent complete, with 62 percent emerged, compared to the average of 76 percent planted and 24 percent emerged.

Spring wheat acreage was 98 percent emerged with 4 percent jointed, compared to the average of 77 percent emerged and 3 percent jointed. Sweet corn was 65 percent planted, compared to 53 percent average. Sunflowers were 95 percent planted compared to 52 percent average.

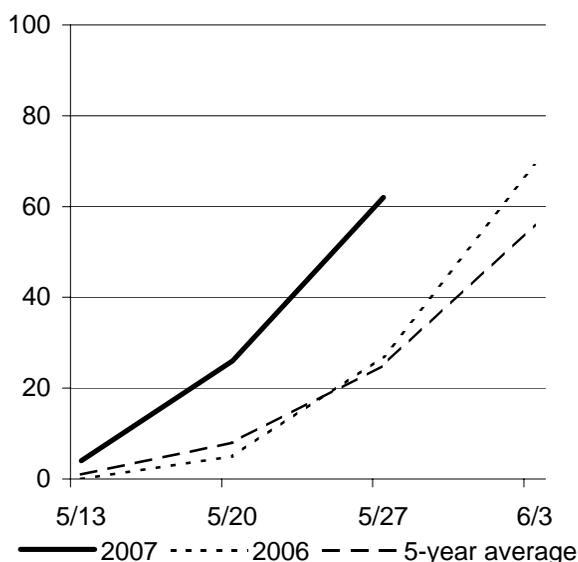
Eighty-two percent of field corn was rated in Good or Excellent condition. Pasture and alfalfa were both rated at 61 percent in Good or Excellent condition.

Days Suitable for Fieldwork: 4.8				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	5	19	70	6

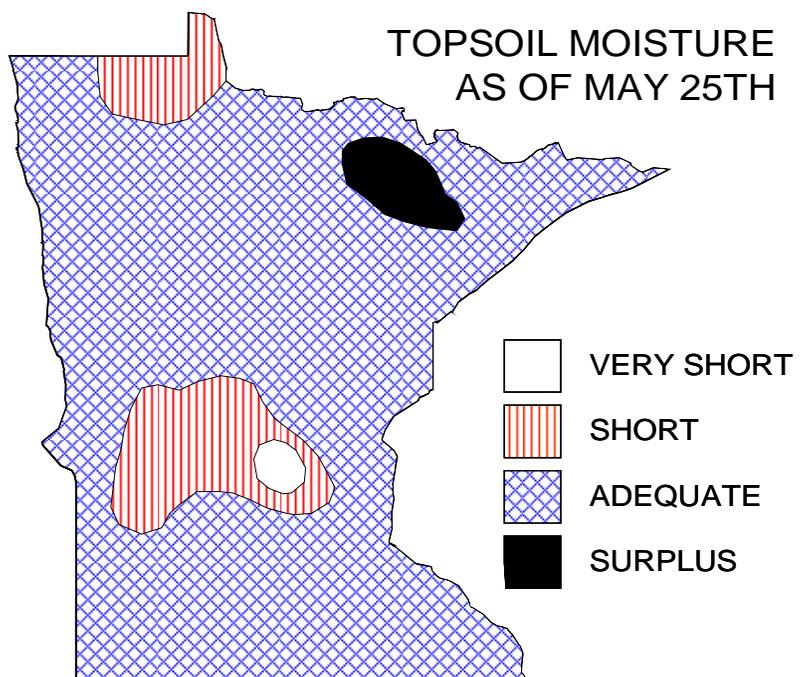
Crop Progress as of May 27, 2007					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Emerged	95	82	77	71
	Height	4	NA	1	1
Soybeans	Planted	94	85	82	76
	Emerged	62	26	27	24
Spring Wheat	Emerged	98	82	75	77
	Jointed	4	1	2	3
Oats	Emerged	98	85	91	86
	Jointed	15	8	6	5
Barley	Emerged	98	84	69	74
	Jointed	6	3	3	3
Alfalfa	1st Cutting	12	NA	18	5
Green Peas	Planted	92	87	85	82
Sweet Corn	Planted	65	49	55	53
Dry Beans	Planted	66	48	65	52
Sunflowers	Planted	95	84	59	52
Potatoes	Planted	96	94	91	87

Crop Condition as of May 25, 2007 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	1	8	30	53	8
Alfalfa	2	11	26	47	14
Corn	1	2	15	56	26
Sugarbeets	1	4	22	59	14
Spring Wheat	1	3	18	61	17
Oats	0	4	18	61	17

**SOYBEANS EMERGED
MAY 13 - JUNE 3**



**TOPSOIL MOISTURE
AS OF MAY 25TH**



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING May 27,2007:

Temperatures averaged from 4.2 degrees below normal in the Northwest District to 0.7 degree above normal in the Southeast District. Extremes: 32 degrees in Hibbing; 87 degrees in Morris, Montevideo, Hutchinson. Precipitation averaged from 0.41 inch below normal in the Southwest District to 1.58 inches above normal in the Southeast District. Greatest weekly total was 3.23 inches recorded in Winona.

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 5/21/2007 through 5/27/2007

	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	79	35	53.4	-6.2	1.21	.58	1.31	1.80	250	12
Moorhead	81	35	57.3	-3.1	1.07	.39	1.29	2.96	287	36
Warroad	80	35	53.0	-3.4	1.85	1.21	.40	.98	213	27
<u>NC DIST 2</u>										
Grand Rapids	79	39	57.2	-.0	.83	.08	-.93	.17	263	61
Intl. Falls	81	36	54.6	-1.7	2.00	1.32	1.02	1.34	226	36
Itasca	76	34	54.0	-1.8	2.60	1.87	.70	2.07	253	75
<u>NE DIST 3</u>										
Duluth	73	35	52.9	-1.7	1.49	.74	-.00	.16	196	36
Grand Marais	62	39	48.5	-.4	1.22	.57	-.59	-.16	78	-15
Hibbing	79	32	54.4	-1.2	.62	-.06	-1.31	-1.42	234	56
<u>WC DIST 4</u>										
Alexandria	84	38	58.8	-.5	.16	-.63	-1.55	-1.08	286	53
Browns Valley	83	33	57.1	-4.1	.77	.19	.88	3.37	278	13
Canby	85	42	60.8	-1.3	.15	-.58	-1.00	1.29	354	79
Fergus Falls	80	38	57.8	-2.0	3.20	2.51	2.78	5.30	284	45
Montevideo	87	37	61.1	-.2	.10	-.69	-1.25	-1.81	334	73
Morris	87	34	59.0	-2.0	.03	-.68	-1.32	.54	302	41
<u>CENT DIST 5</u>										
Becker	84	41	60.8	1.4	1.03	.18	-1.13	-1.99	320	84
Collegeville	85	40	62.7	.7	.16	-.74	-2.12	-1.49	349	70
Hutchinson	87	39	61.8	-.0	.85	.06	-1.12	-.73	343	70
Olivia	86	39	59.5	-2.0	.23	-.55	-.92	-.12	317	50
St. Cloud	86	37	61.2	1.8	1.22	.45	-.96	-1.33	319	83
Staples	75	36	56.8	-1.0	1.40	.63	1.08	2.50	263	48
Willmar	86	37	59.5	-1.7	.10	-.75	-1.60	1.23	319	57
<u>EC DIST 6</u>										
Aitkin	76	35	54.0	-2.6	.70	-.08	-1.02	.10	257	63
Forest Lake	83	39	60.0	-.7	2.12	1.26	-.73	-.70	326	69
MSP Airport	85	44	64.0	1.8	.74	-.07	-1.35	-2.68	358	77
St. Paul - UofM	83	43	64.3	1.3	.75	-.19	-.94	-2.08	394	98
<u>SW DIST 7</u>										
Lamberton	85	39	61.2	-1.0	.27	-.50	-.58	.01	336	58
Pipestone	84	34	59.4	-1.3	.40	-.41	-.98	-.88	324	67
Redwood Falls	86	39	61.4	-2.0	.17	-.59	-.31	-.60	339	39
Worthington	85	40	61.7	1.3	.51	-.33	-.48	-.63	330	82
<u>SC DIST 8</u>										
Faribault	83	39	59.3	-1.2	2.47	1.58	-.34	-1.66	329	79
Mankato	84	39	62.3	.7	.72	-.19	-1.07	-2.42	350	79
Waseca	84	35	60.8	-.7	1.71	.78	-.60	-1.92	336	67
Winnebago	79	40	60.0	-1.9	1.05	.10	-.92	-2.04	328	51
<u>SE DIST 9</u>										
Preston	82	37	62.0	2.4	1.86	.93	-1.36	-1.27	317	83
Red Wing	85	42	61.8	.4	2.45	1.62	-.06	-1.91	338	72
Rochester	84	43	62.5	2.7	1.97	1.15	-.93	-2.78	335	96
Rosemount	83	41	61.3	.9	1.95	.98	-.46	-1.31	325	75
Winona	81	42	60.8	-2.6	3.23	2.38	.51	-.09	320	18

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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