

Released: May 21, 2007

Issue No: CW-20-07

E-mail: nass-mn@nass.usda.gov

Homepage: <http://www.nass.usda.gov/mn/>

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

CORN CROP REACHES EIGHTY PERCENT EMERGED

Minnesota's corn crop emerged rapidly this past week as soil temperatures continued to climb, according to USDA, NASS, Minnesota Field Office. An estimated 40 percent of the state's corn crop emerged this past week while soybeans, sunflower and canola plantings continued well ahead of the five-year average pace. Topsoil moisture supplies fell during the week as little precipitation was received.

The average temperature for the week was 58.7°, 1.8° above normal. Statewide topsoil moisture supplies as of Friday were rated 8 percent very short, 35 short, 56 adequate, and 1 surplus.

As of Sunday May 20th, an estimated 82 percent of corn acreage was emerged, compared to the five-year average of 42 percent. Soybean planting was 85 percent complete compared to 53 percent average.

Spring wheat acreage was 82 percent emerged compared to 59 percent average. Potato planting was 94 percent complete, compared to 80 percent average. Green pea planting was 87 complete, compared to 74 percent average.

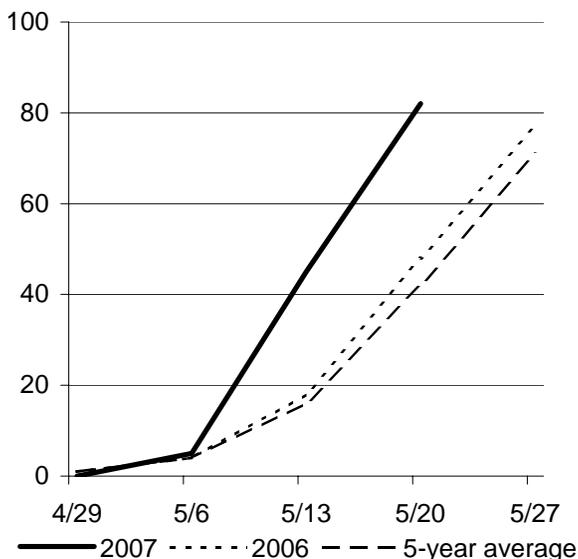
Pasture was rated at 55 percent in Good or Excellent condition. Alfalfa was rated at 60 percent Good or Excellent condition.

Days Suitable for Fieldwork: 6.6				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	8	35	56	1

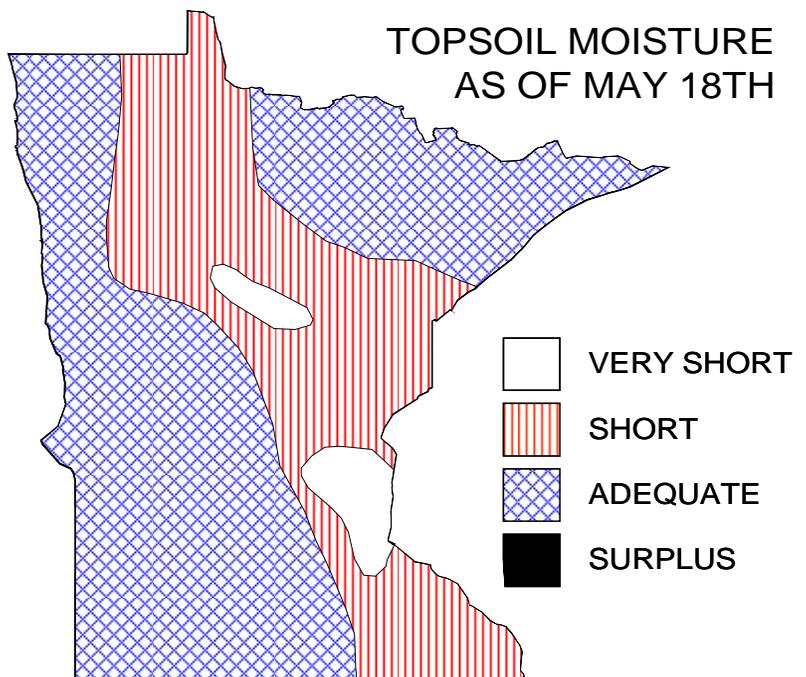
Crop Progress as of May 20, 2007					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Planted	98	88	89	92
	Emerged	82	45	48	42
Soybeans	Land Prepared	94	59	65	75
	Planted	85	45	48	53
Spring Wheat	Emerged	26	4	5	7
	Jointed	82	55	60	59
Oats	Emerged	1	0	0	1
	Jointed	85	66	81	73
Barley	Emerged	8	0	2	1
	Jointed	84	43	56	54
Canola	Emerged	3	0	0	0
	Planted	99	72	35	51
Green Peas	Planted	87	72	73	74
Sweet Corn	Planted	49	35	34	39
Dry Beans	Planted	48	16	30	30
Sunflowers	Planted	84	34	19	29
Potatoes	Planted	94	70	78	80

Crop Condition as of May 18, 2007 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	1	10	34	48	7
Alfalfa	3	10	27	50	10
Spring Wheat	3	3	24	56	14
Oats	0	2	30	57	11

**CORN EMERGED
APRIL 29 - MAY 27**



**TOPSOIL MOISTURE
AS OF MAY 18TH**



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING May 20,2007:

Temperatures averaged from 2.7 degrees below normal in the Northeast District to 4.0 degrees above normal in the South Central District. Extremes: 27 degrees in Hibbing, International Falls; 94 degrees in Waseca, Rochester. Precipitation averaged from 0.76 inch below normal in the Southeast District to 0.19 inch below normal in the Northeast District. Greatest weekly total was 0.75 inch recorded in Duluth.

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 5/14/2007 through 5/20/2007

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	From Norm Since 5/20	Since May 3	Depart from Norm
<u>NW DIST 1</u>										
Crookston	86	37	58.2	1.1	.12	-.43	.36	1.23	199	43
Moorhead	88	40	58.0	-.0	.27	-.33	.53	2.57	212	46
Warroad	81	35	54.2	.6	.39	-.15	-1.17	-.24	160	40
<u>NC DIST 2</u>										
Grand Rapids	88	32	53.9	-1.0	.17	-.48	-1.49	.09	190	57
Intl. Falls	76	27	50.2	-3.8	.57	-.00	-.65	.02	166	42
Itasca	84	34	55.8	2.6	.11	-.52	-1.60	.21	192	77
<u>NE DIST 3</u>										
Duluth	75	31	50.0	-2.4	.75	.09	-1.25	-.58	145	40
Grand Marais	66	34	43.9	-3.6	.22	-.36	-1.49	-.73	56	-5
Hibbing	84	27	51.2	-2.1	.28	-.30	-1.65	-1.35	171	54
<u>WC DIST 4</u>										
Alexandria	87	38	58.0	1.1	.27	-.41	-1.41	-.46	204	50
Browns Valley	92	35	58.5	-.3	.19	-.34	.37	3.18	202	26
Canby	91	41	63.0	3.4	.10	-.55	.23	1.88	265	83
Fergus Falls	91	39	60.0	2.6	.25	-.36	-.13	2.79	206	49
Montevideo	86	37	62.4	3.6	0	-.71	-1.12	-1.12	247	75
Morris	95	37	62.0	3.5	.10	-.54	-.58	1.22	216	44
<u>CENT DIST 5</u>										
Becker	93	35	62.8	5.6	0	-.78	-1.94	-2.17	231	75
Collegeville	88	38	62.5	2.8	.07	-.73	-1.70	-.75	248	62
Hutchinson	93	36	64.9	5.5	.07	-.62	-.73	-.80	249	68
Olivia	93	38	62.8	3.9	.28	-.41	.70	.43	230	55
St. Cloud	91	33	58.6	1.4	0	-.65	-1.94	-1.78	223	67
Staples	85	32	58.6	3.0	.55	-.13	-.51	.71	192	50
Willmar	93	38	63.4	4.7	0	-.71	1.33	1.98	228	55
<u>EC DIST 6</u>										
Aitkin	88	32	55.5	1.3	.55	-.15	.02	.18	198	70
Forest Lake	92	38	61.5	3.3	0	-.78	-2.04	-1.95	238	68
MSP Airport	91	41	61.9	2.1	.12	-.61	-1.85	-2.61	251	65
St. Paul - UofM	90	39	65.8	5.2	.01	-.83	-1.29	-1.90	287	90
<u>SW DIST 7</u>										
Lamberton	92	37	62.7	3.2	.06	-.67	.16	.51	229m	46m
Pipestone	90	35	62.2	4.0	0	-.75	-.22	-.47	240	71
Redwood Falls	86	39	61.2	.3	.47	-.22	-.34	-.01	242	43
Worthington	90	36	63.0	5.2	.05	-.70	-.25	-.30	235	73
<u>SC DIST 8</u>										
Faribault	92	36	62.2	4.3	0	-.85	-2.32	-3.24	241	77
Mankato	91	37	62.3	3.2	.45	-.33	-1.31	-2.23	244	65
Waseca	94	36	62.6	3.6	.21	-.69	-1.80	-2.70	241	64
Winnebago	91	37	64.0	4.7	.53	-.36	-1.36	-2.14	243	61
<u>SE DIST 9</u>										
Preston	91	30	59.6	2.5	.08	-.80	-2.17	-2.20	220	67
Red Wing	93	37	61.2	2.2	.04	-.75	-2.20	-3.53	239	63
Rochester	94	37	61.2	3.8	.02	-.77	-2.72	-3.93	237	80
Rosemount	90	39	62.7	4.8	.06	-.85	-1.88	-2.30	235	71
Winona	90	38	60.8	-.1	.02	-.82	-2.23	-2.47	233	33

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.

PRESRT STD
 POSTAGE & FEES PAID
 USDA
 PERMIT NO. G-38

USDA, NASS, Minnesota Field Office
 PO Box 7068, ST. PAUL, MN 55107

WEEKLY NEWS REPORT
 Minnesota Crop-Weather Report
 Publication No. 387190
 Address Service Requested