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MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE  
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, FSA, NRCS, DNR

**STATE CONTINUES TO LOOK FOR WARM WEATHER**

Producers were able to move forward with crop spraying thanks to dry conditions early last week, but the rain returned towards the end of the week, according to the Minnesota Agricultural Statistics Service. Cool temperatures continued to prevail across the state. Warm temperatures are needed to improve row crop progress, as crop development lags behind the five year averages. Growing degree days since April 29<sup>th</sup> are far below normal throughout the state.

The average temperature for the week was 57.9 degrees, 9.4 degrees below normal. Statewide topsoil moisture supplies as of June 25<sup>th</sup> were rated 5% short, 82% adequate, and 13% surplus.

Corn height was 17 inches, compared with 25 inches for last year and 24 inches for the five year average. Soybeans were 6 inches, compared to 7 inches for last year and the five year average.

Corn condition rating of good to excellent was 56% this week compared to 54% last week. Soybean condition was rated 51% good to excellent which is the same as last week.

Spring wheat was 74% jointed compared with 96% last year and 80% for the five year average. Barley jointed was at 58% compared to 96% last year and 81% for the five year average. Oats were 83% jointed compared to the five year average of 89%.

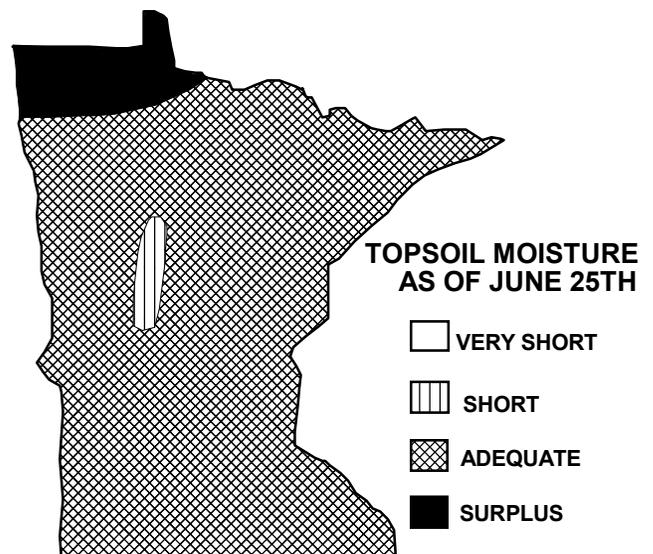
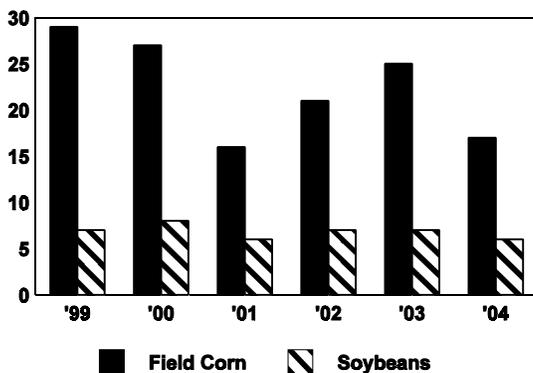
The first cutting of alfalfa was 80% complete, which was below the five year average of 86%.

Days Suitable for Fieldwork : 5.3				
	Very Short	Short	Ade-quate	Sur-plus
Topsoil Moisture (%)	0	5	82	13

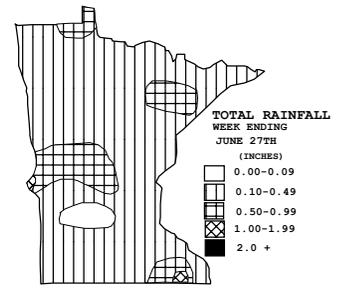
Crop Progress as of June 27, 2004					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height - Inches	17	13	25	24
Soybeans	Height - Inches	6	4	7	7
Spring Wheat	Jointed	74	60	96	80
	Heading	23	11	67	44
Oats	Jointed	83	72	97	89
	Heading	33	17	63	54
Barley	Jointed	58	48	96	81
	Heading	11	6	66	43
Alfalfa Hay	First Cutting	80	61	89	86
Sweet Corn	Planted	96	84	95	96

Crop Condition as of June 25 in Percent					
	Very Poor	Poor	Fair	Good	Exc
Pasture	1	4	26	61	8
Spring Wheat	2	4	35	48	11
Barley	4	7	44	37	8
Corn	2	7	35	50	6
Oats	2	5	28	59	6
Sugarbeets	1	5	29	58	7
Soybeans	3	7	39	46	5

**CORN & SOYBEANS HEIGHT  
IN INCHES AS OF JUNE 27<sup>th</sup> 1999-2004**



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING JUNE 27, 2004:  
 Temperatures averaged from 11.5 degrees below normal in the North-west District to 8.4 degrees below normal in the Northeast District. Extremes: 81° in Redwood Falls; 29° in International Falls. Precipitation averaged from 0.80 inch below normal in the South Central District to 0.37 inch below normal in the West Central District. Greatest weekly total was 1.31 inches.



Precipitation and Temperature Summary for 6/21/2004 through 6/27/2004

	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 Apr 29	Depart from Norm
<u>NW DIST 1</u>										
Crookston	80	40	54.9	-12.2	.24	-.60	-1.82	2.92	480	-257
Moorhead	75	39	57.0	-10.8	.12	-.70	-1.17	.22	582	-187
Warroad	74	37	53.4	-11.4	.58	-.35	.06	6.16	389	-227
<u>NC DIST 2</u>										
Grand Rapids	71	41	54.8	-9.9	.16	-.98	-3.36	-2.74	509	-124
Intl. Falls	71	29	50.7	-12.7	.38	-.57	-1.97	-.09	389	-203
Itasca	75	37	53.5	-10.0	.39	-.65	-2.24	-2.91	464	-117
<u>NE DIST 3</u>										
Duluth	70	37	53.7	-8.2	.47	-.56	-1.77	-2.03	368	-143
Grand Marais	73	40	54.4	-.8	.18	-.64	1.31	.41	213	-89
Hibbing	69	32	50.8	-12.2	.54	-.56	-2.29	-1.46	421	-142
Isabella	71	34	51.0	-12.5	.54	-.44	-.50	-.23	305	-291
<u>WC DIST 4</u>										
Alexandria	71	44	56.8	-10.3	.78	-.24	-.41	.62	510	-215
Browns Valley	76	41	58.0	-11.1	1.31	.50	.44	2.71	617	-195
Canby	79	45	61.0	-9.5	.14	-.83	.59	1.99	702	-157
Fergus Falls	72	41	57.1	-10.1	.70	-.19	-1.77	1.20	568	-172
Montevideo	76	46	60.2	-8.9	.08	-.91	-1.29	2.11	659	-137
Morris	74	44	59.2	-9.5	.44	-.53	.54	1.86	592	-211
<u>CENT DIST 5</u>										
Becker	75	44	60.2	-6.9	.43	-.64	.37	5.37	589	-144
Hutchinson	80	48	61.2	-8.6	.08	-.97	.48	2.82	689	-154
Olivia	79	45	61.0	-8.6	.06	-1.00	-.36	3.04	685	-154
St. Cloud	76	44	58.4	-8.6	.64	-.41	-.53	2.48	618	-109
Staples	73	40	55.6	-9.4	.66	-.35	-1.53	-1.26	490	-174
Willmar	75	49	60.5	-8.7	.07	-1.14	-.39	3.18	639	-175
<u>EC DIST 6</u>										
Aitkin	77	39	55.5	-8.6	.40	-.67	-1.61	-1.99	480	-129
MSP Airport	77	50	62.2	-8.2	.31	-.72	-.85	1.79	699	-165
St. Paul - UofM	75	48	60.8	-10.5	.21	-.97	-.89	1.42	745	-168
<u>SW DIST 7</u>										
Lamberton	80	46	61.1	-9.5	.47	-.44	-.13	1.84	702	-167
Pipestone	77	42	59.3	-9.8	.35	-.56	-.21	1.96	654	-148
Redwood Falls	81	48	62.1	-9.4	.11	-.87	.42	5.56	707	-212
Worthington	80	45	61.0	-8.0	.12	-.95	-3.03	-1.52	695	-93
<u>SC DIST 8</u>										
Faribault	79	45	60.7	-8.8	.17	-.82	.95	4.81	718	-95
Mankato	80	44	60.7	-9.3	.38	-.95	2.74	3.26	711	-134
Waseca	80	43	61.2	-8.4	.37	-.62	2.43	2.72	755	-81
Winnebago	80	40	61.0	-9.2	.27	-.79	-2.15	1.00	732	-121
<u>SE DIST 9</u>										
Preston	77	39	58.4	-10.0	1.07	-.03	7.77	10.28	708	-49
Red Wing	78	50	62.1	-7.5	.28	-.69	1.17	3.27	716	-110
Rochester	76	43	59.8	-8.2	.66	-.32	4.90	7.13	702	-54
Rosemount	77	46	61.2	-7.8	.21	-.88	.10	2.37	698	-93
Winona	78	48	62.2	-9.5	.33	-.59	3.88	6.95	760	-152

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 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 Minnesota Agricultural Statistics Service, 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 CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

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