

## Local Climatological Data Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

**May 2002**

DATE	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER TYPES	WIND				SKY COVER	DEGREE DAYS		
	Max	Min	Mean		Amnt	Depth		Dir	Speed (mph)	Peak Gust	Gust Dir		Heat	Cool	Corn
1	67	46	57	0.14	0.0	0	TRW,R-,L	SE	5.0	25.5	W	CLDY	8	0	9
2	57	40	49	0.00	0.0	0		NW	7.0	26.4	N	PC	16	0	4
3	64	37	51	0.00	0.0	0		E	3.0	12.0	SE	CLR	14	0	7
4	70	41	56	0.00	0.0	0		SW	3.0	10.0	SE	CLR	9	0	10
5	78	47	63	0.00	0.0	0		S	5.7	27.0	S	CLR	2	0	14
6	77	59	68	0.81	0.0	0	TRW,RW+,RW-	SW	7.7	29.4	S	CLDY	0	3	18
7	75	55	65	0.52	0.0	0	TRW,RW-	NE	4.6	18.9	W	CLDY	0	0	15
8	76	56	66	0.13	0.0	0	RW,RW-	S	5.5	28.0	W	PC	0	1	16
9	69	47	58	0.56	0.0	0	TRW+	W	9.1	27.4	NW	PC	7	0	10
10	67	39	53	0.00	0.0	0		E	2.5	14.2	N	CLR	12	0	9
11	66	47	57	0.64	0.0	0	TRW,RW,RW-	E	3.8	19.3	N	CLDY	8	0	8
12	73	49	61	1.33	0.0	0	TRW+,R,R-	S	7.6	28.7	W	CLDY	4	0	12
13	58	44	51	0.13	0.0	0	TRW,R-,RW-	N	7.5	21.8	NW	CLDY	14	0	4
14	65	45	55	0.00	0.0	0		NW	4.3	16.5	W	PC	10	0	8
15	75	45	60	0.00	0.0	0		S	7.8	23.6	S	CLR	5	0	13
16	69	50	60	0.83	0.0	0	R,RW-	SW	6.9	24.5	SW	CLDY	5	0	10
17	50	37	44	0.22	0.0	0	RW	NE	7.8	21.8	NE	CLDY	21	0	0
18	56	35	46	0.00	0.0	0		N	6.1	19.6	W	CLR	19	0	3
19	60	40	50	T	0.0	0	RW-	N	4.3	16.4	NW	PC	15	0	5
20	55	38	47	0.00	0.0	0		NE	4.8	15.4	NE	CLDY	18	0	3
21	59	35	47	0.00	0.0	0		SE	3.1	11.7	SE	PC	18	0	5
22	67	38	53	0.00	0.0	0		S	6.1	17.0	S	CLR	12	0	9
23	79	47	63	0.05	0.0	0	RW-	SW	7.5	22.9	SW	PC	2	0	15
24	68	51	60	0.11	0.0	0	RW-	NE	4.3	12.8	N	CLDY	5	0	10
25	74	48	61	0.14	0.0	0	TRW	N	7.0	26.6	SW	PC	4	0	12
26	77	43	60	0.00	0.0	0		SE	2.5	9.9	SE	CLR	5	0	14
27	82	52	67	0.25	0.0	0	TRW,RW-	S	2.5	18.3	SW	PC	0	2	17
28	81	61	71	0.43	0.0	0	TRW+,TRW	S	3.6	17.8	NW	CLDY	0	6	21
29	78	63	71	T	0.0	0	RW-	S	2.6	7.7	S	PC	0	6	21
30	84	65	75	T	0.0	0	RW-	SW	4.2	13.5	SW	PC	0	10	25
31	93	68	81	0.00	0.0	0		SW	6.4	20.4	W	PC	0	16	27
<b>AVG/TOT</b>	<b>70.0</b>	<b>47.4</b>	<b>58.7</b>	<b>6.29</b>	<b>0.0</b>			<b>S</b>	<b>5.3</b>				<b>233</b>	<b>44</b>	<b>354</b>
DEP.	-3.6	-4.4	-4.0	+1.49	0.0			S	-1.0				+90	-26	-74

### NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW	SKY COVER		
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0	CLR	PC	CLDY				
TOTAL	1	0	0	0	18	15	14	6	1	0	8	12	11				
DEP	0	0	0	0		+4	+6	+3	0	0	-2	+1	+1				

	WEATHER TYPES										SEASONAL DEGREE DAYS			PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-May
TOTAL	17	1	0	0	0	0	10	0	0	0	0	5206	79	690	19.36
DFF	+4	-2			0	-1	+4	-3				-600	+1	-45	+3.80

**Averages based on 1971-2000 data.** The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. M = Missin

**WEATHER TYPES:**

R = Rain      Z = Freezing rain/drizzle      D = Dust  
L = Drizzle    IP = Ice pellets (sleet)            H = Haze  
S = Snow      A = Hail                                    BS = Blowing snow  
T = Thunder   F = Fog                            RW = Rainshower    SW = Snowshower

**PRECIP INTENSITY**

- Light      Precip amount "T" =Trace  
Moderate  
+ Heavy

**DEGREE DAYS** Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

# Champaign-Urbana Weather Highlights – May 2002

## ILLINOIS STATE WATER SURVEY

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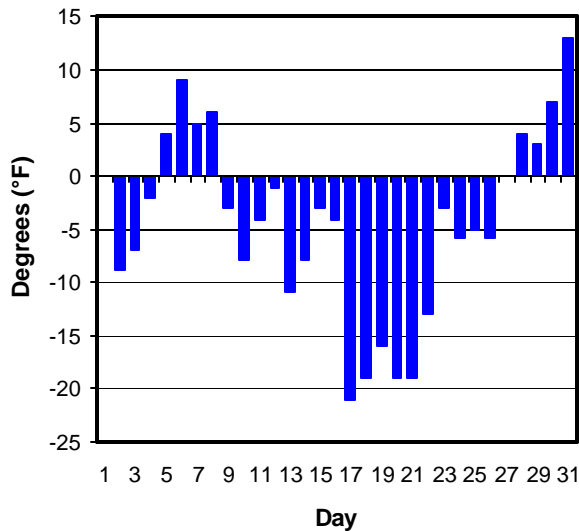
May 2002 was a cool and rainy month, with temperatures running at times more than 20 degrees below average (see figure) and with flooding of area streets and basements common. Days with precipitation occurred during more than half of the month (18 days) and several new cool temperature records were set or tied during May:

- ⌚ May 17<sup>th</sup> set a new record low maximum temperature of 50°F. The old record of 52°F had been set in 1945.
- ⌚ May 17<sup>th</sup> also set a new record low mean temperature of 44°F, breaking the old record of 49°F that had stood for over 100 years (1895).
- ⌚ A new record low minimum temperature of 35°F on May 18<sup>th</sup> nipped under the former record of 36°F from 1925.
- ⌚ The mean temperature of 46°F on May 18<sup>th</sup> tied the record low mean temperature for the day. The record was initially set in 1981.

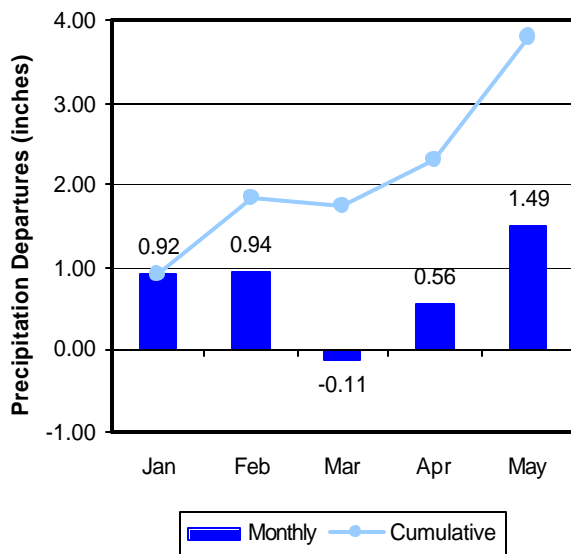
With all of the rain and cool temperatures, May 2002 finished tied with 1946 as the 14<sup>th</sup> coolest May since 1888 and the 17<sup>th</sup> wettest May on record. The wettest May occurred in 1943, when 11.20 inches of precipitation fell.

After a pleasant Memorial Day weekend, the cool temperatures rapidly rebounded and on the last day of the month: ⌚ the mean temperature of 81°F tied the record warm mean temperature for May 31<sup>st</sup> set in both 1953 and 1989. *MCP*

**May 2002 Mean Daily Temperature Departure from Normal**



**2002 Monthly Precipitation Departures from Normal**



Spring (March, April, May) statistics:

Mean maximum:	59.7°F (-2.1)
Mean minimum:	49.1°F (-2.4°)
Mean temperature:	38.6°F (-2.7°)
Precipitation:	13.60 inches (+1.94)
Snowfall:	6.7 inches (+2.9)

The daily climate statistics are available by touch-tone phone. Call 333-8890 and select menu option 1. The recording is updated daily Monday through Friday by 8:00 a.m. For this and other climate data, visit the State Climatologist web site at <http://www.sws.uiuc.edu/atmos/statecli/>