

Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

April 2001

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	52	28	40	0.00	0.0	0		W	6.4	24.9	W	PC	25	0	1
2	62	38	50	0.00	0.0	0		SE	5.5	22.8	S	CLDY	15	0	6
3	61	39	50	0.00	0.0	0		NE	7.2	21.0	NE	CLR	15	0	6
4	67	40	54	0.00	0.0	0		E	4.7	15.9	E	CLR	11	0	9
5	72	39	56	0.08	0.0	0	TRW,RW-	E	5.2	21.4	S	CLDY	9	0	11
6	78	64	71	0.00	0.0	0		SW	10.2	20.8	S	CLDY	0	6	21
7	79	64	72	0.00	0.0	0		SW	17.1	37.8	SW	PC	0	7	22
8	83	50	67	0.00	0.0	0		SW	10.0	24.4	SW	PC	0	2	17
9	84	64	74	T	0.0	0	TRW(PM),RW-(AM	SW	10.7	47.1	SW	PC	0	9	24
10	72	55	64	0.43	0.0	0	TRW(PM),RW-(AM	SE	6.1	20.4	S	CLDY	1	0	14
11	76	60	68	0.03	0.0	0	RW-	S	12.8	35.8	SW	CLDY	0	3	18
12	65	50	58	0.00	0.0	0		W	14.2	34.1	W	PC	7	0	8
13	64	45	55	0.00	0.0	0		NW	4.4	18.0	W	CLR	10	0	7
14	72	44	58	0.00	0.0	0		NW	5.4	15.8	W	PC	7	0	11
15	54	44	49	0.22	0.0	0	TRW(AM),RW-(PM	NE	7.0	21.7	NE	CLDY	16	0	2
16	47	30	39	T	T	0	SW-	NW	10.1	31.3	W	PC	26	0	0
17	50	29	40	T	T	0	SW-	N	9.4	29.2	N	PC	25	0	0
18	58	29	44	0.00	0.0	0		W	5.1	20.5	W	CLR	21	0	4
19	69	35	52	0.06	0.0	0	RW-	S	9.1	27.3	S	PC	13	0	10
20	75	51	63	0.07	0.0	0	RW-	S	14.4	27.7	SW	CLDY	2	0	13
21	74	62	68	0.05	0.0	0	RW-	SW	14.9	39.1	S	PC	0	3	18
22	83	64	74	T	0.0	0	RW-	S	12.1	35.0	S	PC	0	9	24
23	74	48	61	0.11	0.0	0	RW	S	17.3	39.5	SW	CLDY	4	0	12
24	62	40	51	0.00	0.0	0		NW	6.0	21.0	NW	CLR	14	0	6
25	62	38	50	0.04	0.0	0	RW-	SE	2.3	12.0	SE	PC	15	0	6
26	76	38	57	0.00	0.0	0		SW	6.9	20.7	SW	CLR	8	0	13
27	81	48	65	0.00	0.0	0		NE	6.3	19.0	N	CLR	0	0	16
28	77	44	61	0.00	0.0	0		E	3.5	14.5	NE	CLR	4	0	14
29	79	46	63	0.00	0.0	0		SE	4.7	16.8	SE	CLR	2	0	15
30	88	47	68	0.00	0.0	0		SW	6.8	21.8	SW	CLDY	0	3	18
AVG/TOT	69.9	45.8	57.9	1.09	0.0			S	8.5				250	42	346
DEP.	+7.7	+5.0	+6.4	-2.56	-0.5			S	+0.6				-161	+34	+140

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	0	0	4	0	13	9	3	0	0	0	9	12	9				
DEP	0	0	-2	0		-2	-5	-2	-1	0	+1	+3	-4				

	WEATHER TYPES											SEASONAL DEGREE DAYS			PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-April
TOTAL	11	0	2	0	0	0	5	0	0	0	0	5948	42	391	7.10
DEP	-2	-4	0			-1	0	-3				+175	+34	+84	-3.66

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 = Missing

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 – April 2001

ILLINOIS STATE WATER SURVEY

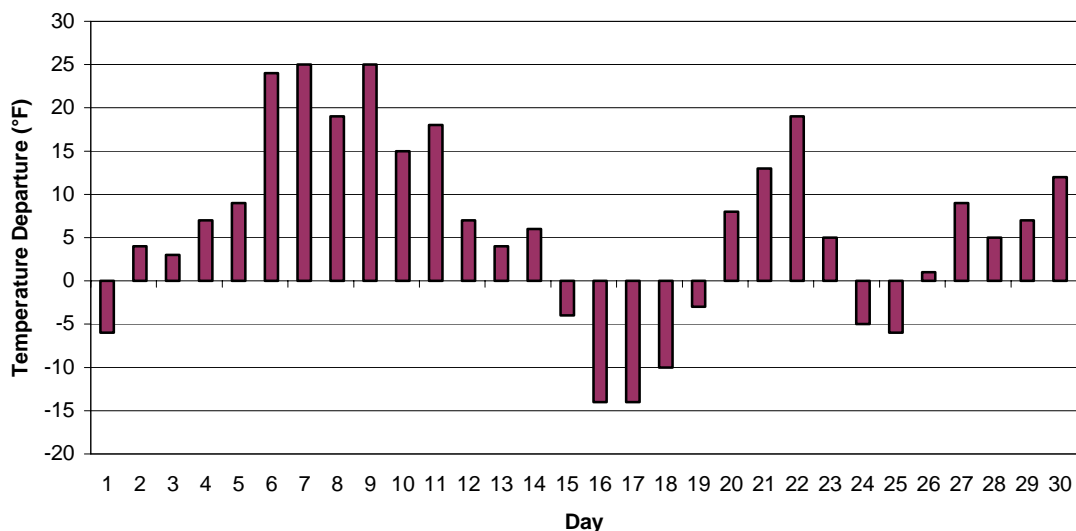
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Several records were set or tied this month:

- The minimum of 64°F on April 6th tied the old record high minimum of 64°F set in 1929.
- The minimum of 64°F on April 7th broke the old record high minimum of 63°F set in 1929 and the mean temperature of 72°F on April 7th broke the old record high mean of 70°F set in 1929.
- The record high of 83°F on April 8th broke the old record high of 81°F set in 1890.
- On April 9th, record high maximum, high minimum and high mean temperatures were reached. The maximum of 84°F broke the old record of 83°F set in 1905, the minimum of 64°F broke the old record high minimum of 56°F set in 1922 and 1969, and the mean of 74°F shattered the old record high mean of 66°F set in 1922.
- The minimum of 60°F on April 11th broke the old record high minimum of 59°F set in 1981.
- The minimum of 62°F on April 21st broke the old record high minim of 61°F set in 1977.
- The minimum of 64°F on April 22nd broke the old record high minimum of 61°F set in 1985 and the mean temperature of 74°F on April 22nd broke the old record high mean of 72°F set in 1980.
- The high of 88°F on April 30th tied the old record high set in 1894 and 1895.

There were only eight days this month where the mean daily temperature was below normal. The mean maximum temperature for the month of 69.9°F is the warmest on record and the mean daily temperature for the month (57.9°F) makes this April tied for the 2nd warmest April on record. The 1.09” of precipitation ties this April with 1997 for the 9th driest on record. For the year, Champaign-Urbana is down 3.66” from normal; however, for the past two months (March and April), Champaign-Urbana is 4.92” below normal.

**April 2001 Mean Daily Temperature
Departure from Normal**



MCP

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 Saturday 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/>