

Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

April 2005

DATE	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER TYPES	WIND				DEGREE DAYS		
	Max	Min	Mean		Amnt	Depth		Dir	Speed (mph)	Peak Gust	Gust Dir	Heat	Cool	Corn
1	56	37	47	0.00	0.0	0	L, R	N	6.1	25.4	N	18	0	3
2	57	38	48	0.20	0.0	0		N	8.7	26.2	N	17	0	4
3	67	35	51	0.00	0.0	0		W	3.9	14.3	NW	14	0	9
4	79	42	61	0.00	0.0	0		S	5.7	19.6	S	4	0	15
5	75	45	60	0.00	0.0	0		S	8.8	25.2	SW	5	0	13
6	73	52	63	0.00	0.0	0	L	SE	4.9	19.7	S	2	0	13
7	55	44	50	T	0.0	0	F	NE	9.6	25.4	N	15	0	3
8	70	41	56	0.00	0.0	0		NE	5.3	16.5	NE	9	0	10
9	76	41	59	0.00	0.0	0		SE	3.3	13.1	SE	6	0	13
10	82	53	68	0.00	0.0	0		SE	6.2	19.7	S	0	3	18
11	80	57	69	0.00	0.0	0	L	SE	6.8	30.5	S	0	4	19
12	62	43	53	0.92	0.0	0	R, L	E	4.8	16.2	NE	12	0	6
13	62	39	51	0.23	0.0	0	R-	NE	9.9	24.6	NE	14	0	6
14	67	36	52	0.00	0.0	0		NE	6.1	17.5	N	13	0	9
15	72	39	56	0.00	0.0	0		E	2.5	12.6	NE	9	0	11
16	75	42	59	0.00	0.0	0		S	3.5	16.2	S	6	0	13
17	81	46	64	0.00	0.0	0		SW	3.7	12.8	SW	1	0	16
18	82	49	66	0.00	0.0	0		S	4.0	15.3	SW	0	1	16
19	79	51	65	0.00	0.0	0		S	8.5	24.5	SW	0	0	15
20	81	47	64	0.00	0.0	0	TRW	SW	7.1	20.1	N	1	0	16
21	61	47	54	1.98	0.0	0	TRW, L, F	NE	4.2	13.8	NE	11	0	6
22	68	41	55	0.28	0.0	0	TRW, L, F	N	8.2	29.0	N	10	0	9
23	42	35	39	0.08	0.0	0	S-	N	9.4	22.9	N	26	0	0
24	55	33	44	T	T	0		NW	7.8	24.9	W	21	0	3
25	65	35	50	0.00	0.0	0	R-	W	8.7	23.6	W	15	0	8
26	58	41	50	0.23	0.0	0	R-, R	W	7.1	22.5	W	15	0	4
27	56	38	47	T	0.0	0		W	8.2	24.1	W	18	0	3
28	59	41	50	0.00	0.0	0		SW	3.5	14.9	SW	15	0	5
29	55	44	50	T	0.0	0	R, L	NE	3.3	13.3	N	15	0	3
30	59	38	49	0.06	0.0	0		NW	4.9	19.9	W	16	0	5
AVG/TOT	67.0	42.3	54.7	3.98	0.0			NE	6.2			308	8	274
DEP.	+4.8	+1.5	+3.2	+0.33	-0.5			S	-1.7			-104	0	+68

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>	>=.01	>=.10	>=.50	>=1.00	>=1.0				
TOTAL	0	0	0	0	12	8	6	2	1	0				
DEP	0	0	-5	0		-4	-2	0	0	0				

	WEATHER TYPES										SEASONAL DEGREE DAYS			PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-April
TOTAL	9	7	1	0	0	0	3	3	0	0	0	5085	8	370	13.91
DEP	-4	+3	-1			-1	-2	0				-578	0	+63	+3.15

Averages based on 1971-2000 data.

Temp midnight-midnight, Precip and Snow at 7 am LST

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 2005

ILLINOIS STATE WATER SURVEY

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Temperature – ranged from 33 degrees on April 24 to 82 degrees on April 10 and 18. The average monthly high temperature was as the 9th warmest since 1889 (tied with 1942) while the average monthly mean temperature was the 12th warmest since 1899 (tied with 1960). The average monthly low temperature was the 25th warmest since 1899 (tied with 1958, 2004).

Precipitation – no daily records were set this month.

Observer's Note – the wind statistics reported here and on the voicemail recording are not part of the climatic archive maintained by this office. They are from another Water Survey network co-located with our site (see below). On occasion we do not get the wind statistics right away because of circumstances beyond our control.

Additional Information

Additional information for April can be found at the Illinois Climate Network site that is collocated with our cooperative weather observer site. This automated station collects temperature, wind, soil temperature, evaporation, humidity, and solar radiation data. These data are usually posted a few days after the end of the month at:

<http://www.sws.uiuc.edu/warm/data/2005/April/Champaign.txt>

JRA

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/>