

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

Illinois State Water Survey  
Water Survey Research Center

**June 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	84	56	70	0.00	0.0	0		NE	3.2	15.3	SE	0	5	20
2	67	62	65	T	0.0	0	RW-	E	2.2	9.2	SE	0	0	15
3	75	60	68	0.07	0.0	0	R	E	1.5	7.8	S	0	3	18
4	91	58	75	0.00	0.0	0		S	4.5	16.0	S	0	10	22
5	93	71	82	0.00	0.0	0		S	7.1	24.3	SW	0	17	29
6	90	65	78	0.00	0.0	0		W	4.3	14.7	SW	0	13	26
7	95	64	80	0.00	0.0	0		S	4.0	15.4	S	0	15	25
8	93	65	79	0.00	0.0	0		S	3.8	25.5	W	0	14	26
9	90	65	78	0.02	0.0	0	TRW-	S	4.6	12.8	S	0	13	26
10	92	70	81	0.00	0.0	0		NE	3.7	13.9	SW	0	16	28
11	81	68	75	0.19	0.0	0	TRW	S	4.5	16.2	S	0	10	25
12	77	68	73	0.04	0.0	0	RW	NE	2.5	11.3	E	0	8	23
13	90	63	77	T	0.0	0	RW-	SW	5.7	31.7	W	0	12	25
14	79	63	71	1.62	0.0	0	TRW+	W	8.2	28.3	W	0	6	21
15	79	59	69	0.00	0.0	0		W	7.5	22.5	W	0	4	19
16	78	55	67	T	0.0	0	RW-	NW	2.7	13.4	W	0	2	17
17	75	57	66	0.00	0.0	0		NE	3.7	12.9	NE	0	1	16
18	75	54	65	0.00	0.0	0		NE	3.2	12.1	NE	0	0	15
19	79	55	67	0.00	0.0	0		NE	2.0	11.2	E	0	2	17
20	83	58	71	0.00	0.0	0		NE	1.7	9.7	NE	0	6	21
21	87	59	73	0.00	0.0	0		W	4.4	15.7	W	0	8	23
22	89	66	78	0.00	0.0	0		E	2.2	10.5	E	0	13	26
23	92	62	77	0.00	0.0	0		S	3.5	13.1	S	0	12	24
24	95	69	82	0.00	0.0	0		SW	3.9	13.5	SW	0	17	28
25	93	69	81	0.00	0.0	0		SE	2.2	9.6	N	0	16	28
26	94	69	82	T	0.0	0	TRW-	SE	1.8	9.4	S	0	17	28
27	93	72	83	0.00	0.0	0		S	2.1	12.8	N	0	18	29
28	92	70	81	T	0.0	0	TRW-	SW	3.7	16.1	W	0	16	28
29	93	70	82	0.48	0.0	0	TRW+	SE	2.2	10.2	W	0	17	28
30	93	70	82	T	0.0	0	TRW-	W	5.3	20.1	W	0	17	28
<b>AVG/TOT</b>	<b>86.2</b>	<b>63.7</b>	<b>75.0</b>	<b>2.42</b>	<b>0.0</b>			<b>S</b>	<b>3.7</b>			<b>0</b>	<b>308</b>	<b>704</b>
DEP.	+3.6	+2.8	+3.2	-1.79	0.0			SW	-1.8			-19	+90	+70

### NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>	>=.01	>=.10	>=.50	>=1.00					>=1.0
TOTAL	16	0	0	0	12	6	3	1	1					0
DEP	+10	0	0	0		-4	-3	-2	0					0

	WEATHER TYPES										SEASONAL DEGREE DAYS			PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-June
TOTAL	12	0	0	0	0	0	7	0	0	1	0	5237	362	1489	17.30
DEP	+1	-3		0	-1	+1	-2					-588	+66	+120	-2.47

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 – June 2005

## ILLINOIS STATE WATER SURVEY

Jim Angel, State Climatologist  
2204 Griffith Drive  
Champaign, IL 61820  
[jimangel@uiuc.edu](mailto:jimangel@uiuc.edu)

**Temperature** – ranged from 54 degrees on June 18 to 95 degrees on June 7 and 24. It was the 14<sup>th</sup> warmest average monthly high temperature, the 11<sup>th</sup> warmest average monthly low temperature, and the 9<sup>th</sup> warmest average monthly mean temperature. A high of 90 degrees was equaled or exceeded 16 times in June, putting it in 5<sup>th</sup> place for the most 90-degree days in June. June 1933 holds the record with 21 days.

**Precipitation** – no daily records were set this month. It was the 33<sup>rd</sup> driest June since 1889. However, this is the fourth month in a row with below-normal precipitation. From March to June, we have received 9.10 inches of rain, compared to a normal of 15.87 inches. This makes our precipitation deficit 6.77 inches. The pan evaporation for June totaled 7.30 inches.

**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 June 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/June/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/>