

Local Climatological Data  
Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

August 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	90	66	78	0.00	0.0	0		SE	1.6	8.3	SE	0	13	26
2	93	67	80	0.00	0.0	0	H-	SE	2.0	9.1	SW	0	15	27
3	94	67	81	0.00	0.0	0	H	SW	3.1	12.5	SW	0	16	27
4	87	73	80	0.02	0.0	0	TRW-	SW	4.1	13.0	W	0	15	30
5	82	68	75	0.05	0.0	0	RW-	N	2.6	10.6	N	0	10	25
6	84	67	76	0.00	0.0	0		NE	2.1	9.6	E	0	11	26
7	87	66	77	0.00	0.0	0		NE	1.4	7.5	NE	0	12	26
8	90	68	79	T	0.0	0	TRW-, H	E	1.5	7.9	SW	0	14	27
9	93	65	79	0.00	0.0	0	H-	SW	2.4	13.1	W	0	14	26
10	91	71	81	0.00	0.0	0		W	3.1	12.0	W	0	16	29
11	96	71	84	0.00	0.0	0		SE	2.4	11.6	SW	0	19	29
12	95	71	83	0.02	0.0	0	RW	SW	3.4	16.6	W	0	18	29
13	87	69	78	0.09	0.0	0	RW	SW	3.4	17.5	NW	0	13	28
14	70	66	68	0.06	0.0	0	RW	NE	2.9	11.8	W	0	3	18
15	74	66	70	0.41	0.0	0	RW	NE	1.8	7.9	N	0	5	20
16	83	66	75	0.07	0.0	0	RW-	NE	2.1	12.1	E	0	10	25
17	84	63	74	0.00	0.0	0			M	M		0	9	24
18	89	68	79	0.00	0.0	0			M	M		0	14	27
19	92	68	80	1.02	0.0	0	TRW+		M	M		0	15	27
20	88	70	79	0.49	0.0	0	TRW	W	4.5	20.6	W	0	14	28
21	87	65	76	0.00	0.0	0		W	2.7	12.6	W	0	11	26
22	80	61	71	T	0.0	0	RW-		M	M		0	6	21
23	77	58	68	0.00	0.0	0			M	M		0	3	18
24	81	56	69	0.00	0.0	0			M	M		0	4	19
25	82	62	72	0.00	0.0	0		NE	1.7	8.6	SE	0	7	22
26	82	68	75	0.03	0.0	0	RW-		M	M		0	10	25
27	86	62	74	T	0.0	0	RW-	W	2.6	13.9	W	0	9	24
28	91	58	75	0.00	0.0	0		SE	1.8	12.8	SW	0	10	22
29	88	64	76	0.00	0.0	0	F (AM)	NE	2.0	10.1	NE	0	11	25
30	78	66	72	0.00	0.0	0		NE	4.9	18.4	N	0	7	22
31	82	60	71	0.00	0.0	0		NW	2.6	12.4	W	0	6	21
<b>AVG/TOT</b>	<b>85.9</b>	<b>65.7</b>	<b>75.8</b>	<b>2.26</b>	<b>0.0</b>			<b>NE</b>	<b>2.6</b>			<b>0</b>	<b>340</b>	<b>769</b>
DEP.	+2.7	+3.0	+2.8	-2.11	0.0			NE	-1.6			-1	+85	+78

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0				
TOTAL	10	0	0	0	13	10	3	1	1	0				
DEP	+5	0	0	0	+1	-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-August
TOTAL	11	0	0	0	0	0	2	1	0	4	0	0	1052	3039	23.86
DEP	0	-1	0	0			-4	-5				-1	+191	+234	-4.95

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 – August 2005

## ILLINOIS STATE WATER SURVEY

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**Temperature** – ranged from 56 degrees on August 24 to 96 degrees on August 11.

**Precipitation** – no daily records were set this month. Rainfall was 2.11 inches below normal for the month. Summer rainfall was 8.98 inches, 4.27 inches below normal. March-August rainfall was 15.66 inches, 9.25 inches below normal. Normal is defined as the 30-year average from 1971-2000.

**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 August 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/August/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 8:30 a.m. For this and other climate data, visit the State Climatologist web site at <http://www.sws.uiuc.edu/atmos/statecli/>