

Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

July 2006

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	92	60	76	0.01	0.0	0	TRW-, H	SW	5.6	22.0	W	0	11	23
2	94	70	82	0.00	0.0	0	H	SW	5.6	19.6	SW	0	17	28
3	94	71	83	T	0.0	0	RW-, H	SW	4.5	20.1	NW	0	18	29
4	84	67	76	0.71	0.0	0	TRW+	W	4.0	12.7	W	0	11	26
5	78	59	69	0.06	0.0	0	RW-	NE	3.5	15.1	NE	0	4	19
6	82	56	69	0.00	0.0	0	(smoke)	NE	2.7	10.7	N	0	4	19
7	81	58	70	0.00	0.0	0		SE	1.8	7.5	E	0	5	20
8	83	58	71	0.00	0.0	0		SW	2.1	11.3	W	0	6	21
9	86	65	76	0.05	0.0	0	RW-	SW	2.7	12.1	SW	0	11	26
10	88	64	76	0.01	0.0	0	RW-	SW	3.5	14.3	S	0	11	25
11	83	71	77	0.69	0.0	0	TRW,RW-	S	4.0	14.1	SW	0	12	27
12	86	67	77	0.30	0.0	0	RW-,RW+,T,L-	SW	2.6	11.6	E	0	12	27
13	86	67	77	1.81	0.0	0	TRW+,L-,F(PM)	SE	1.7	6.4	SE	0	12	27
14	85	72	79	0.02	0.0	0	F(AM),L-,RW-	W	4.4	15.0	W	0	14	29
15	93	69	81	0.01	0.0	0	RW-	NW	1.7	8.6	W	0	16	28
16	92	68	80	0.00	0.0	0		SW	2.3	9.8	SW	0	15	27
17	91	67	79	0.00	0.0	0	H(AM)	SW	3.8	13.0	SW	0	14	27
18	91	71	81	0.00	0.0	0	H(PM)	NE	2.8	13.1	N	0	16	29
19	92	69	81	0.00	0.0	0	F(AM),F(PM),H		M	M		0	16	28
20	86	69	78	0.64	0.0	0	F(AM),TRW+,F(PM)	S	3.6	19.5	N	0	13	28
21	80	63	72	0.14	0.0	0	F(PM),TRW	NE	3.7	19.3	NE	0	7	22
22	79	61	70	0.44	0.0	0	F(AM),RW-,RW+		M	M		0	5	20
23	83	60	72	0.00	0.0	0			M	M		0	7	22
24	86	62	74	0.00	0.0	0	F(PM)	SW	3.5	14.0	SW	0	9	24
25	88	66	77	0.00	0.0	0		S	3.9	12.0	SW	0	12	26
26	86	68	77	0.00	M	M		S	3.5	20.8	SW	0	12	27
27	88	71	80	1.71	0.0	0	TRW+	SW	4.2	20.5	W	0	15	29
28	89	72	81	1.25	0.0	0	TRW+		M	M		0	16	29
29	91	70	81	0.00	0.0	0	F(AM)		M	M		0	16	28
30	93	71	82	T	0.0	0	RW-		M	M		0	17	29
31	94	71	83	0.00	0.0	0		S	3.2	10.4	W	0	18	29
AVG/TOT	87.2	66.2	76.7	7.85	0.0			SW	3.4			0	372	798
DEP.	+2.0	+1.4	+1.7	+3.18	0.0			SW	-1.1			0	+62	+53

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW	
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00						>=1.0
TOTAL	11	0	0	0	17	15	9	6	3						0
DEP	+4	0	0	0	+6	+2	+3	+2							0

	WEATHER TYPES										SEASONAL DEGREE DAYS			PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-July
TOTAL	16	3	0	0	0	0	9	8	0	6	0	0	688	2272	22.73
DEP	+5	+2	0	0			+2	+4				0	+82	+158	-1.71

Averages based on 1971-2000 data.

Temp midnight-midnight, Precip and Snow at 8 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.

WIND: DIR is the 24 hr prevailing direction (greatest number of hours). Speed is the daily average of 24 hourly average wind speeds.

Champaign-Urbana Weather Highlights – July 2006

ILLINOIS STATE WATER SURVEY

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Temperature – ranged from 56°F on July 6 to 94°F on July 2, 3, and 31.

Precipitation – one daily record was set this month. The 1.71” of rain on July 27 beat the old record of 1.05” set in 1999. The monthly precipitation total was 7.85”, 3.18” above normal and the 8th wettest July since July records began in 1889. The wettest July on record was 1992 with 13.82” of precipitation. After a dry June (only 1.65” and 2.56” below normal), the rains of July greatly improved local growing conditions.

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).

Additional Information

Additional information for July 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 several days after the end of the month at:

<http://www.sws.uiuc.edu/warm/data/2006/July/Champaign.txt>

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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/>