

Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

September 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	87	59	73	0.00	0.0	0		NW	2.8	14.1	W	0	8	23
2	89	58	74	0.00	0.0	0		W	3.5	17.1	W	0	9	22
3	86	58	72	0.00	0.0	0		N	2.3	11.1	NE	0	7	22
4	89	56	73	0.00	0.0	0		SE	1.6	7.8	S	0	8	21
5	87	59	73	0.00	0.0	0		SE	1.8	10.9	SE	0	8	23
6	88	59	74	0.00	0.0	0		SE	1.7	7.7	SE	0	9	23
7	91	61	76	0.00	0.0	0	F (AM)	SW	2.0	10.2	W	0	11	24
8	92	64	78	0.00	0.0	0		W	2.3	17.8		0	13	25
9	92	67	80	0.00	0.0	0	F (AM)	E	1.7	7.3		0	15	27
10	94	64	79	0.00	0.0	0		SE	2.4	12.3		0	14	25
11	93	64	79	0.00	0.0	0		SE	2.3	10.9		0	14	25
12	92	61	77	0.00	0.0	0	F (AM)	S	3.2	16.8	W	0	12	24
13	96	61	79	0.00	0.0	0		SW	4.5	16.5	SW	0	14	24
14	79	64	72	0.33	0.0	0	TRW-	NW	3.2		M	0	7	22
15	65	59	62	T	0.0	0	TRW-	NE	3.0		M	3	0	12
16	66	53	60	1.67	0.0	0	TRW+	N	3.1	12.7	NE	5	0	10
17	79	52	66	T	0.0	0	L-	N	1.8	7.1	W	0	1	16
18	83	54	69	0.00	0.0	0		S	2.5	12.8	S	0	4	19
19	93	62	78	0.21	0.0	0	TRW+		M	M		0	13	24
20	84	62	73	0.48	0.0	0	TRW+	SW	2.0	7.2	E	0	8	23
21	85	57	71	0.00	0.0	0	F (AM)	SE	2.1	10.2	SE	0	6	21
22	94	64	79	0.00	0.0	0		SW	5.8	19.0	SW	0	14	25
23	70	62	66	0.00	0.0	0		NE	4.1	15.0	NE	0	1	16
24	87	60	74	0.86	0.0	0	TRW-	SE	2.4	10.6	SW	0	9	23
25	72	67	70	T	0.0	0	RW-	SE	3.1	12.7	SE	0	5	20
26	75	60	68	1.57	0.0	0	F(AM), TRW+	NW	3.0	14.9	N	0	3	18
27	78	53	66	0.00	0.0	0	F(AM)	SE	1.2	8.9	SE	0	1	16
28	79	50	65	0.00	0.0	0	F(AM)	SE	5.5	21.1	N	0	0	15
29	66	43	55	0.54	0.0	0	RW	N	2.9	14.3	N	10	0	8
30	72	39	56	0.00	0.0	0		SE	2.6	12.2	SW	9	0	11
AVG/TOT	83.4	58.4	70.9	5.66	0.0			SE	2.8			27	214	607
DEP.	+5.8	+3.8	+4.8	+2.44	0.0			SW	-1.8			-57	+98	+106

NUMBER OF DAYS and DEPARTURE

	MAX TEMP		MIN TEMP		PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0
TOTAL	9	0	0	0	10	7	7	4	2	0
DEP	+7	0	0	0	-1	+2	+2	+1		0

	WEATHER TYPES										SEASONAL DEGREE DAYS			PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-September
TOTAL	9	1	0	0	0	0	7	7	0	0	0	27	1266	3646	29.52
DEP	-1	-2	0	0			+3	+2				-58	+289	+340	-2.51

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 – September 2005 (revised 11/1/05)

ILLINOIS STATE WATER SURVEY

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Temperature – ranged from 39 degrees on September 30 to 96 degrees on September 13. It was the 7th warmest average monthly high temperature, the 11th warmest average monthly low temperature, and the 7th warmest average monthly mean temperature since 1888.

Precipitation – no daily records were set this month. Rainfall was 2.44 inches above normal for the month, making this the 13th wettest September since 1888. March-September rainfall was 21.52 inches, 6.81 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 September 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/September/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/>