

Local Climatological Data Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

October 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
1	81	48	65	0.00	0.0	0		SE	2.2	9.4	SW	0	0
2	85	55	70	0.00	0.0	0		S	3.3	14.7	S	0	5
3	87	64	76	0.02	0.0	0	RW-	S	2.8	12.0	S	0	11
4	88	65	77	0.00	0.0	0		S	2.3	10.2	S	0	12
5	87	62	75	0.00	0.0	0	F(AM)	SE	3.0	13.9	SW	0	10
6	67	43	55	0.00	0.0	0		NW	4.1	14.7	NW	10	0
7	57	43	50	0.00	0.0	0		N	4.8	14.9	N	15	0
8	60	40	50	0.00	0.0	0		NE	4.9	15.3	NE	15	0
9	66	41	54	0.00	0.0	0		NE	3.2	14.3	N	11	0
10	62	49	56	0.00	0.0	0		NE	2.7	12.2	N	9	0
11	63	52	58	0.00	0.0	0	F(AM)	NE	1.9	7.7	E	7	0
12	71	50	61	0.00	0.0	0	F(AM)	N	1.1	8.9	NE	4	0
13	77	49	63	0.00	0.0	0	F(AM)	CALM	2.2	14.0	SW	2	0
14	78	47	63	0.00	0.0	0	F(AM)	W	3.8	13.6	W	2	0
15	71	47	59	0.00	0.0	0		NW	3.4	13.9	W	6	0
16	68	44	56	0.00	0.0	0		N	2.0	9.2	N	9	0
17	79	45	62	0.00	0.0	0		SW	4.3	18.9	W	3	0
18	76	44	60	0.00	0.0	0		NW	1.8	11.1	W	5	0
19	71	49	60	0.00	0.0	0		NE	4.9	15.4	N	5	0
20	52	46	49	0.12	0.0	0	RW-	NE	4.6	18.8	E	16	0
21	52	46	49	1.05	0.0	0	RW-, TRW	NE	4.6	18.2	NE	16	0
22	60	41	51	0.03	0.0	0	L-,RW-	W	3.8	18.2	W	14	0
23	51	35	43	0.00	0.0	0		NW	3.3	16.1	NW	22	0
24	50	40	45	0.01	0.0	0	RW-	N	5.6	18.1	NW	20	0
25	53	37	45	0.03	0.0	0	RW-	N	4.3	16.4	N	20	0
26	57	36	47	T	0.0	0	RW-	NE	1.4	8.6	SW	18	0
27	55	35	45	0.00	0.0	0		NE	1.9	9.6	NE	20	0
28	58	31	45	0.00	0.0	0		CALM	0.9	7.1	E	20	0
29	61	33	47	0.00	0.0	0		S	2.7	12.6	SW	18	0
30	65	31	48	0.00	0.0	0		S	4.8	16.8	SW	17	0
31	58	49	54	0.02	0.0	0	RW-	SW	3.8	11.7	SW	11	0
AVG/TOT	66.6	45.1	55.9	1.28	0.0			NE	3.2			315	38
DEP.	+1.4	+1.8	+1.6	-1.53	-0.1			SW	-2.4			-31	+29

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW	
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00						>=1.0
TOTAL	0	0	2	0	8	7	2	1	1						0
DEP	0	0	-2	0		-2	-3	-1	0						0

	WEATHER TYPES										SEASONAL DEGREE DAYS		PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-October
TOTAL	8	1	0	0	0	0	1	5	0	0	0	342	1304	30.80
DEP	-2	-3				0	-1	+1				-89	+318	-4.04

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 – October 2005

ILLINOIS STATE WATER SURVEY

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Temperature – ranged from 31 degrees on October 28 and 30 to 88 degrees on October 4. The first time this fall that the temperature dropped below freezing was October 28. This was 11 days later than the median date of the first fall freeze of October 17.

Precipitation – no daily records were set this month. Rainfall was 1.53 inches below normal for the month, still a long ways from the driest October on record – October 1964 with only 0.16 inches of rain.

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 October 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/October/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/>