



Champaign-Urbana Weather Highlights – October 2008

Jim Angel, state climatologist

Temperatures ranged from a high of 85°F on October 12 to a low of 29°F on October 28 and 29. The monthly average maximum temperature was 66.5°F, 1.3 degrees above normal. The monthly average minimum temperature was 43.0°F, 0.3 degrees below normal. The monthly average mean temperature was 54.8°F, 0.5 degrees above normal.

The 2008 growing season officially ended during the morning hours of October 28 as the temperature dropped to 29°F. This is two weeks past the median date of the first fall freeze of October 14. Given the last spring freeze was on April 15, the "frost-free" growing season length was 194 days, 14 days longer than normal.

Precipitation for October was 2.96 inches, 0.15 inches above normal. The January-October precipitation was 46.37 inches, 11.53 inches above normal and the second wettest on record since 1889. Only January-October 1993 was wetter with 52.60 inches.

*Records for Champaign-Urbana started in late August 1888. However, the first complete January-October record was 1889.

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. Usually, these data are posted several days after the end of the month at:

<http://www.sws.uiuc.edu/warm/data/2008/October/Champaign.txt>.

For detailed rainfall reports, check out the new volunteer raingage network in Illinois called the Community Collaborative Rain, Hail and Snow Network (CoCoRaHS) at:

<http://www.cocorahs.com/>.

For more information on the climate of Illinois, visit the web site at:

<http://www.sws.uiuc.edu/atmos/statecli/>.

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Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

October 2008

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	65	44	55	0.00	0.0	0			M	M		10	0
2	64	39	52	0.00	0.0	0			M	M		13	0
3	72	43	58	0.00	0.0	0			M	M		7	0
4	69	42	56	0.00	0.0	0			M	M		9	0
5	79	45	62	0.00	0.0	0			M	M		3	0
6	82	50	66	0.00	0.0	0			M	M		0	1
7	65	57	61	0.00	0.0	0			M	M		4	0
8	69	46	58	1.12	0.0	0	RW+,RW,RW-		M	M		7	0
9	75	43	59	0.00	0.0	0			M	M		6	0
10	77	48	63	0.00	0.0	0			M	M		2	0
11	83	54	69	0.00	0.0	0			M	M		0	4
12	85	58	72	0.00	0.0	0			M	M		0	7
13	80	59	70	0.00	0.0	0			M	M		0	5
14	72	58	65	0.00	0.0	0			M	M		0	0
15	80	51	66	0.01	0.0	0	RW-		M	M		0	1
16	60	44	52	0.60	0.0	0	RW-,RW+		M	M		13	0
17	58	43	51	0.00	0.0	0			M	M		14	0
18	60	41	51	0.11	0.0	0	RW-		M	M		14	0
19	63	38	51	0.00	0.0	0			M	M		14	0
20	67	38	53	0.00	0.0	0			M	M		12	0
21	59	40	50	0.00	0.0	0			M	M		15	0
22	59	38	49	0.00	0.0	0			M	M		16	0
23	61	38	50	0.00	0.0	0			M	M		15	0
24	55	41	48	0.94	0.0	0	RW-,RW,RW+		M	M		17	0
25	55	37	46	0.18	0.0	0	TRW-,RW-		M	M		19	0
26	59	38	49	0.00	0.0	0			M	M		16	0
27	45	33	39	0.00	0.0	0			M	M		26	0
28	47	29	38	0.00	0.0	0			M	M		27	0
29	57	29	43	0.00	0.0	0			M	M		22	0
30	66	30	48	0.00	0.0	0			M	M		17	0
31	72	40	56	0.00	0.0	0			M	M		9	0
AVG/TOT	66.5	43.0	54.8	2.96	0.0							327	18
DEP.	+1.3	-0.3	+0.5	+0.15	-0.1				SW			-19	+9

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	3	0	6	6	5	3	1				0	
DEP	0	0	-1	0	-3	0	+1	0	0				0	

	WEATHER TYPES										SEASONAL DEGREE DAYS		PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-October
TOTAL	6	0	0	0	0	0	1	0	0	0	0	356	913	46.37
DEP	-4	-4				0	-1	-4	■	■	■	-75	-73	+11.53

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.