



Champaign-Urbana Weather Highlights – October 2010

Jim Angel, State Climatologist

October was warmer and drier than normal.

Temperatures

One October 9, the high of 86 °F tied the previous record on that date, last set in 1949. While the average low temperature for October was near normal, the average high temperature for the month was 4.3 °F above normal and the 19th warmest on record. The average mean temperature for October was 2.1 °F and the 30th warmest on record.

Precipitation

The precipitation total for October was 1.10 inches, 1.71 inches below normal and the 13th driest October on record. That is in strong contrast to last October, which was the 2nd wettest on record with 8.79 inches. The driest October on record was 1964 with 0.16 inches.

Additional Information

For detailed rainfall reports in Champaign County, check out the new volunteer rain gauge network in Illinois called the Community Collaborative Rain, Hail, and Snow Network (CoCoRaHS) at <http://www.cocorahs.org/>.

Detailed monthly reports from the ISWS automated site are at <http://www.isws.illinois.edu/warm/data/2010/October/Champaign.txt>.

For more information on the climate of Illinois, visit the state climatologist web site at <http://www.isws.illinois.edu/atmos/statecli/>.

Also, check out the new state climatologist blog at <http://climateillinois.wordpress.com/>

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Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

October 2010

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	74	47	61	0.00	0.0	0	F(AM)		M	M		4	0
2	59	45	52	0.18	0.0	0	RW,F(AM)		M	M		13	0
3	60	42	51	0.03	0.0	0	RW-		M	M		14	0
4	61	37	49	0.00	0.0	0			M	M		16	0
5	69	36	53	0.00	0.0	0			M	M		12	0
6	78	43	61	0.00	0.0	0			M	M		4	0
7	79	52	66	0.00	0.0	0			M	M		0	1
8	81	42	62	0.00	0.0	0			M	M		3	0
9	86	47	67	0.00	0.0	0			M	M		0	2
10	85	51	68	0.00	0.0	0			M	M		0	3
11	83	55	69	0.00	0.0	0			M	M		0	4
12	81	55	68	0.00	0.0	0			M	M		0	3
13	63	51	57	0.00	0.0	0			M	M		8	0
14	67	39	53	0.28	0.0	0	RW,T		M	M		12	0
15	64	43	54	0.00	0.0	0			M	M		11	0
16	73	38	56	0.00	0.0	0			M	M		9	0
17	73	46	60	0.00	0.0	0			M	M		5	0
18	60	42	51	0.00	0.0	0			M	M		14	0
19	64	37	51	T	0.0	0	RW-		M	M		14	0
20	70	36	53	0.00	0.0	0			M	M		12	0
21	60	37	49	0.00	0.0	0			M	M		16	0
22	69	31	50	0.00	0.0	0			M	M		15	0
23	81	54	68	0.00	0.0	0			M	M		0	3
24	78	56	67	0.07	0.0	0	TRW		M	M		0	2
25	76	53	65	0.16	0.0	0	T,RW-,F(AM)		M	M		0	0
26	71	49	60	0.38	0.0	0	T,RW,RW+,RW-		M	M		5	0
27	67	47	57	0.00	0.0	0			M	M		8	0
28	47	32	40	0.00	0.0	0			M	M		25	0
29	54	26	40	0.00	0.0	0	F(AM)		M	M		25	0
30	64	32	48	0.00	0.0	0			M	M		17	0
31	56	38	47	0.00	0.0	0			M	M		18	0
AVG/TOT	69.5	43.2	56.4	1.10	0.0	0.0						280	18
DEP.	+4.3	-0.1	+2.1	-1.71	-0.1				SW			-66	+9

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0
TOTAL	0	0	4	0	7	6	4	0	0	0
DEP	0	0	0	0	-3	-1	-2	-1		0

	WEATHER TYPES										SEASONAL DEGREE DAYS		PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-October
TOTAL	7	0	0	0	0	0	4	4	0	0	0	315	1326	29.27
DEP	-3	-4				0	+2	0				-116	+340	-5.57

Averages based on 1971-2000 data.

Temp midnight-midnight, Precip and Snow at 7 am LST

M = Missing

WEATHER TYPES:

R = Rain
L = Drizzle
S = Snow
T = Thunder
Z = Freezing rain/drizzle
IP = Ice pellets (sleet)
A = Hail
F = Fog
D = Dust
H = Haze
BS = Blowing snow
RW = Rainshower
SW = Snowshower

PRECIP INTENSITY

- Light
Moderate
+ Heavy
Precip amount "T" =Trace

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.