



Champaign-Urbana Weather Highlights – October 2009

Jim Angel, State Climatologist

Temperatures for October were below normal. The average high temperature of 58.0°F was 7.2°F below normal and the 4th coolest on record. The average low temperature of 41.5°F was 1.8°F below normal and the 25th coolest on record. The average mean temperature of 49.8°F was 4.5°F below normal and the 10th coolest on record.

Precipitation for October was 8.79 inches, 5.98 inches above normal. This was the 2nd wettest October on record. The wettest October on record was 1941 with 9.01 inches. The January-October precipitation total was 43.55 inches, 8.71 inches above normal and the 5th wettest on record.

Climatological normal is defined as the 30-year average from 1971 to 2000 and is updated every 10 years.

Additional Information

Additional information for October can be found at the Illinois Climate Network site that is collocated with our cooperative weather observer site at <http://www.sws.uiuc.edu/warm/data/2009/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.isws.illinois.edu/atmos/statecli/>.

Contact Information:
2204 Griffith Drive
Champaign, IL 61820-7495
Phone: 217-333-0729
Email: jimangel@illinois.edu

Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

October 2009

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	60	43	52	0.00	0.0	0			M	M		13	0
2	59	46	53	1.00	0.0	0	RW-,RW+,T,A		M	M		12	0
3	54	45	50	0.01	0.0	0	RW-		M	M		15	0
4	63	40	52	0.01	0.0	0	RW-		M	M		13	0
5	67	42	55	0.00	0.0	0			M	M		10	0
6	66	47	57	0.25	0.0	0	TRW-		M	M		8	0
7	63	41	52	0.04	0.0	0	RW-		M	M		13	0
8	52	45	49	0.20	0.0	0	RW		M	M		16	0
9	52	40	46	1.97	0.0	0	RW+,RW-,RW,F(A)		M	M		19	0
10	55	33	44	0.45	0.0	0	RW-,RW,F(AM)		M	M		21	0
11	50	35	43	0.00	0.0	0			M	M		22	0
12	57	38	48	0.10	0.0	0	RW-		M	M		17	0
13	52	40	46	0.01	0.0	0	RW-		M	M		19	0
14	47	40	44	0.34	0.0	0	RW-,RW		M	M		21	0
15	43	39	41	0.33	0.0	0	RW-,RW		M	M		24	0
16	47	38	43	0.07	0.0	0	RW-		M	M		22	0
17	50	39	45	T	0.0	0	RW-		M	M		20	0
18	57	31	44	0.00	0.0	0			M	M		21	0
19	68	36	52	0.00	0.0	0			M	M		13	0
20	72	42	57	0.00	0.0	0			M	M		8	0
21	70	47	59	0.00	0.0	0			M	M		6	0
22	63	49	56	0.00	0.0	0			M	M		9	0
23	62	43	53	1.86	0.0	0	RW+		M	M		12	0
24	55	38	47	0.05	0.0	0	RW-		M	M		18	0
25	68	42	55	0.00	0.0	0			M	M		10	0
26	60	48	54	0.03	0.0	0	RW-		M	M		11	0
27	52	46	49	0.13	0.0	0	RW-,F		M	M		16	0
28	56	47	52	0.31	0.0	0	RW-,F		M	M		13	0
29	61	50	56	0.00	0.0	0			M	M		9	0
30	66	45	56	0.80	0.0	0	RW+,RW-		M	M		9	0
31	51	33	42	0.83	0.0	0	RW+,RW,RW-		M	M		23	0
AVG/TOT	58.0	41.5	49.8	8.79	0.0	0.0						463	0
DEP.	-7.2	-1.8	-4.5	+5.98	-0.1				SW			+117	-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	1	0	21	20	13	5	3				0	
DEP	0	0	-3	0	.11 +8 +3 +2							0		

	WEATHER TYPES										SEASONAL DEGREE DAYS		PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-October
TOTAL	19	1	0	0	0	0	2	4	0	0	0	509	837	43.55
DEP	+9	-3				0	0	0				+78	-149	+8.71

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.