



Champaign-Urbana Weather Highlights – September 2008

Jim Angel, state climatologist

Temperatures ranged from a high of 92°F on September 2 to a low of 47°F on September 30. The monthly average maximum temperature was 77.5 °F, 0.1 degrees below normal. The monthly average minimum temperature was 57.3 °F, 2.7 degrees above normal. The monthly average mean temperature was 67.4 °F, 1.3 degrees above normal.

The 92 °F on September 2 is only the second time this year that temperatures have reached into the 90s. Only 1915 saw fewer 90 degree days – a total of one.

Precipitation for September was 8.15 inches, 4.93 inches above normal and the fourth wettest September with records going back to 1888*. The January-September precipitation was 43.41 inches, 11.38 inches above normal and the second wettest on record since 1889*. Only January-September 1993 was wetter with 48.50 inches.

*Records for Champaign-Urbana started in late August 1888. Therefore, September can be compared back to 1888. However, the first complete January-September record was 1889.

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

<http://www.sws.uiuc.edu/warm/data/2008/September/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

September 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	Corn
1	89	63	76	0.00	0.0	0			M	M		0	11	25
2	92	67	80	0.00	0.0	0			M	M		0	15	27
3	86	65	76	0.00	0.0	0			M	M		0	11	26
4	70	62	66	0.87	0.0	0	TRW-,RW-		M	M		0	1	16
5	64	58	61	2.03	0.0	0	RW-,RW,RW+		M	M		4	0	11
6	75	56	66	0.00	0.0	0			M	M		0	1	16
7	74	58	66	0.12	0.0	0	RW-		M	M		0	1	16
8	74	57	66	T	0.0	0	mist		M	M		0	1	16
9	69	51	60	0.31	0.0	0	TRW,RW-,T		M	M		5	0	10
10	75	49	62	0.00	0.0	0			M	M		3	0	13
11	75	55	65	0.00	0.0	0			M	M		0	0	15
12	76	67	72	0.51	0.0	0	RW-,F		M	M		0	7	22
13	87	70	79	0.17	0.0	0	RW-,RW		M	M		0	14	28
14	73	58	66	0.65	0.0	0	RW-,RW		M	M		0	1	16
15	67	56	62	3.30	0.0	0	RW-,RW+		M	M		3	0	12
16	72	52	62	0.04	0.0	0	RW-,F(AM)		M	M		3	0	12
17	79	48	64	0.00	0.0	0			M	M		1	0	15
18	80	58	69	0.00	0.0	0			M	M		0	4	19
19	80	54	67	0.00	0.0	0			M	M		0	2	17
20	73	59	66	0.00	0.0	0			M	M		0	1	16
21	78	59	69	0.08	0.0	0	TRW,TRW-		M	M		0	4	19
22	83	58	71	0.04	0.0	0	TRW-		M	M		0	6	21
23	84	58	71	0.00	0.0	0			M	M		0	6	21
24	84	57	71	0.00	0.0	0			M	M		0	6	21
25	85	57	71	0.00	0.0	0	F(AM)		M	M		0	6	21
26	81	55	68	0.00	0.0	0			M	M		0	3	18
27	80	57	69	0.00	0.0	0			M	M		0	4	19
28	82	55	69	0.00	0.0	0			M	M		0	4	19
29	74	54	64	0.00	0.0	0			M	M		1	0	14
30	65	47	56	0.03	0.0	0	RW-		M	M		9	0	8
AVG/TOT	77.5	57.3	67.4	8.15	0.0							29	109	529
DEP.	-0.1	+2.7	+1.3	+4.93	0.0				SW			-55	-7	+28

NUMBER OF DAYS and DEPARTURE

	MAX TEMP		MIN TEMP		PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>	>=.01	>=.10	>=.50	>=1.00	>=1.0
TOTAL	1	0	0	0	13	12	8	5	2	0
DEP	-1	0	0	0	+4	+3	+3	+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	12	0	0	0	0	0	4	3	0	0	0	29	895	3268	43.41
DEP	+2	-3	0	0			0	-2				-56	-82	-38	+11.38

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.