

Local Climatological Data  
Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

September 2001

DATE	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER TYPES	WIND				SKY COVER	DEGREE DAYS		
	Max	Min	Mean		Amnt	Depth		Dir	Speed (mph)	Peak Gust	Gust Dir		Heat	Cool	Corn
1	76	56	66	0.00	0.0	0		NE	3.1	10.3	N	CLR	0	1	16
2	83	55	69	0.00	0.0	0		SE	1.8	8.7	SE	CLR	0	4	19
3	87	60	74	0.00	0.0	0		SW	1.7	8.4	W	PC	0	9	23
4	85	60	73	0.00	0.0	0		NE	4.5	14.0	N	CLR	0	8	23
5	85	57	71	0.00	0.0	0		E	2.3	8.2	N	CLR	0	6	21
6	89	58	74	0.14	0.0	0	TRW	S	4.0	22.0	W	PC	0	9	22
7	87	67	77	1.65	0.0	0	TRW+,TRW	S	7.3	34.2	W	CLDY	0	12	27
8	86	67	77	0.00	0.0	0		S	6.9	23.0	SW	PC	0	12	27
9	74	52	63	1.07	0.0	0	TRW,RW	SW	4.6	23.1	W	CLDY	2	0	13
10	79	50	65	0.00	0.0	0	F	W	4.1	14.1	SW	CLR	0	0	15
11	82	54	68	0.00	0.0	0		E	1.4	6.7	NE	CLR	0	3	18
12	86	54	70	0.00	0.0	0		S	1.6	7.5	S	CLR	0	5	20
13	82	55	69	T	0.0	0	RW-	NE	4.4	19.8	NE	PC	0	4	19
14	68	48	58	0.00	0.0	0		NE	4.6	13.7	E	CLR	7	0	9
15	71	49	60	0.00	0.0	0		NE	2.9	11.2	NE	CLR	5	0	11
16	78	52	65	0.00	0.0	0		SE	1.9	9.3	SE	CLR	0	0	15
17	78	50	64	T	0.0	0	RW-	SW	2.3	11.2	S	CLDY	1	0	14
18	77	60	69	0.57	0.0	0	RW	SE	3.3	15.2	S	CLDY	0	4	19
19	69	56	63	0.05	0.0	0	RW-	W	8.4	24.5	W	CLDY	2	0	13
20	77	54	66	0.07	0.0	0	RW-,F+	W	4.9	19.5	S	PC	0	1	16
21	75	56	66	0.00	0.0	0		W	5.5	18.9	W	PC	0	1	16
22	79	51	65	0.00	0.0	0		S	1.8	11.7	SW	CLR	0	0	15
23	75	54	65	T	0.0	0	RW-	W	5.2	20.1	N	CLDY	0	0	15
24	62	45	54	0.00	0.0	0		N	6.5	16.8	NW	CLDY	11	0	6
25	60	38	49	0.00	0.0	0		NW	4.4	16.3	NW	CLR	16	0	5
26	70	40	55	0.00	0.0	0		W	5.8	19.6	NW	CLR	10	0	10
27	70	44	57	0.00	0.0	0		NE	3.2	11.4	NE	CLR	8	0	10
28	60	47	54	0.00	0.0	0		NE	4.3	12.7	N	CLDY	11	0	5
29	70	48	59	0.00	0.0	0		NE	4.1	11.6	NE	CLR	6	0	10
30	77	45	61	0.00	0.0	0		NE	1.5	9.5	W	CLR	4	0	14
<b>AVG/TOT</b>	<b>76.6</b>	<b>52.7</b>	<b>64.7</b>	<b>3.55</b>	<b>0.0</b>			<b>NE</b>	<b>3.9</b>				<b>83</b>	<b>79</b>	<b>466</b>
<b>DEP.</b>	<b>-1.0</b>	<b>-1.9</b>	<b>-1.4</b>	<b>+0.33</b>	<b>0.0</b>			<b>SW</b>	<b>-0.7</b>				<b>-1</b>	<b>-37</b>	<b>-35</b>

NUMBER OF DAYS and DEPARTURE

	MAX TEMP		MIN TEMP		PRECIPITATION					SNOW	SKY COVER		
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0	CLR	PC	CLDY
TOTAL	0	0	0	0	9	6	4	3	2	0	16	6	8
DEP	-3	0	0	0	-2	-1	+1	+1		0	+5	-3	-2

	WEATHER TYPES											SEASONAL DEGREE DAYS			PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-September
TOTAL	9	0	0	0	0	0	3	2	0	0	0	85	1047	3421	25.74
DEP	-1	-3	0	0			-1	-3				0	+70	+115	-6.29

Averages based on 1971-2000 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. 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.

# Champaign-Urbana Weather Highlights – September 2001

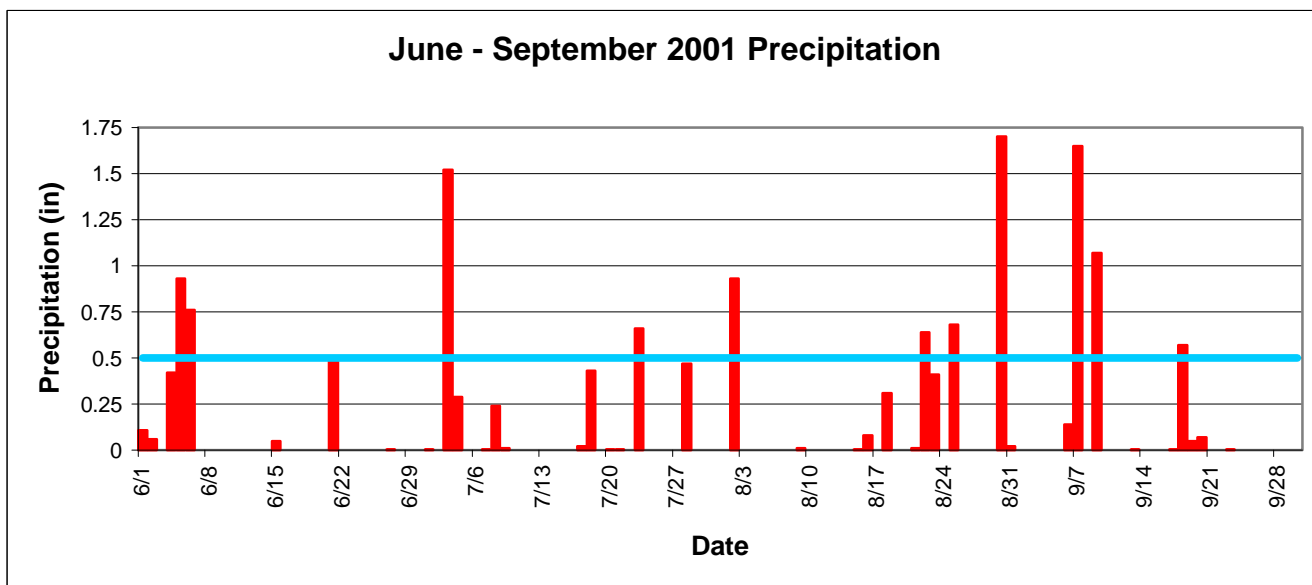
## ILLINOIS STATE WATER SURVEY

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September was a fairly typical month in Champaign-Urbana, with temperatures near normal and precipitation slightly above average.

There were also no new temperature records set during September. We came close on September 25<sup>th</sup>, when the minimum temperature reached 38°F, but the record of 35°F that was set in 1942 stood. The average mean temperature for the month ranks September 2001 as the 20<sup>th</sup> coolest on record when compared to the historic (1888-2001) range of 72.2°F (1933) to 58.6°F (1918).

The month began with a beautiful Labor Day weekend; however, the following weekend saw Champaign-Urbana receiving more than 80% of its total precipitation for the month during heavy thunderstorms. In fact, in reviewing the precipitation patterns during June through September, we had 14.81 inches in those four months. Of that, 78% (11.61 inches) fell on the 12 days with 0.50" or more of precipitation. There are 122 days in this time frame. Therefore, 78% of the rain came in just 10% of the days! Furthermore, 40% of the total rainfall fell on the four days with an inch or more.



MCP/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 8:00 a.m. For this and other climate data, visit the State Climatologist web site at <http://www.sws.uiuc.edu/atmos/statecli/>