

Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

July 2005

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	83	61	72	0.00	0.0	0		NW	5.0	18.4	W	0	7	22
2	78	56	67	0.00	0.0	0		NE	2.1	8.1	NW	0	2	17
3	88	57	73	0.00	0.0	0		SW	2.6	9.9	W	0	8	22
4	91	63	77	0.00	0.0	0		N	3.6	17.3	W	0	12	25
5	85	65	75	0.21	0.0	0	TRW-	W	3.0	15.0	W	0	10	25
6	86	62	74	0.00	0.0	0	F-	NE	1.6	7.4	SE	0	9	24
7	87	65	76	T	0.0	0	RW-	NE	2.8	12.1	NE	0	11	26
8	88	64	76	T	0.0	0	RW-	NE	2.4	12.0	E	0	11	25
9	89	64	77	0.00	0.0	0		SE	1.8	8.4	SE	0	12	25
10	90	62	76	0.00	0.0	0		SE	2.4	13.0	SE	0	11	24
11	85	66	76	0.00	0.0	0		NE	3.4	13.2	NE	0	11	26
12	78	69	74	0.71	0.0	0	RW	NE	2.9	13.5	NE	0	9	24
13	80	70	75	0.38	0.0	0	TRW, F-	NE	3.3	13.9	N	0	10	25
14	87	70	79	0.36	0.0	0	RW, F-	NE	3.9	15.4	NE	0	14	28
15	85	71	78	0.10	0.0	0	TRW-	N	2.4	11.1	E	0	13	28
16	88	71	80	T	0.0	0	TRW-	NW	1.9	8.8	W	0	15	29
17	90	71	81	0.00	0.0	0		SW	3.7	12.2	SW	0	16	29
18	89	70	80	0.40	0.0	0	TRW+	SW	4.3	25.4	W	0	15	28
19	86	66	76	0.26	0.0	0	TRW	SW	2.1	10.0	W	0	11	26
20	93	68	81	0.00	0.0	0		SW	3.0	13.2	S	0	16	27
21	93	68	81	0.24	0.0	0	TRW	SW	6.5	33.7	W	0	16	27
22	86	68	77	1.07	0.0	0	TRW+	NE	2.3	10.4	N	0	12	27
23	88	69	79	0.00	0.0	0		S	2.4	8.1	SE	0	14	28
24	94	73	84	0.00	0.0	0		SW	4.6	13.0	SW	0	19	30
25	95	75	85	0.00	0.0	0		SW	4.4	13.4	SW	0	20	31
26	92	68	80	0.00	0.0	0		SW	5.7	19.8	W	0	15	27
27	77	60	69	0.57	0.0	0	TRW+	N	3.3	10.9	N	0	4	19
28	78	56	67	0.00	0.0	0			M	M		0	2	17
29	83	56	70	0.00	0.0	0			M	M		0	5	20
30	85	65	75	0.00	0.0	0		NE	1.6	8.1	SE	0	10	25
31	87	63	75	0.00	0.0	0		E	1.6	7.9	E	0	10	25
AVG/TOT	86.6	65.5	76.1	4.30	0.0			NE	3.1			0	350	781
DEP.	+1.4	+0.7	+1.1	-0.37	0.0			SW	-1.4			0	+40	+36

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00				>=1.0	
TOTAL	8	0	0	0	13	10	10	3	1				0	
DEP	+1	0	0	0	+1	+3	0	0	0				0	

	WEATHER TYPES										SEASONAL DEGREE DAYS			PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-July
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	712	2270	21.60
DEP	-11	-1	0	0	-7	-4	■	■	■	0	+106	+156	-2.84		

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.