

Local Climatological Data Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

May 2003

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	71	53	62	0.21	0.0	0	RW,RW-,L-,F	S	6.2	22.8	W	CLDY	3	0	12
2	64	41	53	T	0.0	0	L-,F	N	6.8	17.3	NE	PC	12	0	7
3	68	37	53	0.00	0.0	0		NE	2.7	11.8	NE	CLR	12	0	9
4	55	45	50	1.11	0.0	0	TRW+,RW-	SE	6.7	28.1	SE	CLDY	15	0	3
5	79	54	67	0.03	0.0	0	TRW,RW-	W	6.9	22.0	SW	CLR	0	2	17
6	76	50	63	0.17	0.0	0	TRW	N	3.1	23.2	S	PC	2	0	13
7	74	56	65	T	0.0	0	RW-	SW	4.7	18.4	NW	PC	0	0	15
8	64	52	58	0.13	0.0	0	TRW,RW-	SE	4.1	16.5	SE	CLDY	7	0	8
9	87	64	76	0.29	0.0	0	TRW+,RW-	SW	8.1	24.3	SW	PC	0	11	25
10	78	64	71	0.80	0.0	0	TRW+,TRW	S	5.8	22.6	S	PC	0	6	21
11	69	51	60	0.00	0.0	0		W	16.2	38.6	W	CLDY	5	0	10
12	70	50	60	0.00	0.0	0		W	10.1	27.6	W	CLR	5	0	10
13	73	46	60	0.00	0.0	0		NW	3.4	13.1	W	CLR	5	0	12
14	75	55	65	0.15	0.0	0	TRW	SE	3.9	22.0	N	CLDY	0	0	15
15	66	50	58	0.07	0.0	0	RW-	N	4.0	14.6	NE	PC	7	0	8
16	69	52	61	0.00	0.0	0		NE	3.4	12.4	NE	PC	4	0	11
17	70	56	63	0.09	0.0	0	RW	NE	4.6	16.4	NE	CLDY	2	0	13
18	76	62	69	T	0.0	0	RW-	E	3.2	12.1	E	CLDY	0	4	19
19	78	64	71	0.00	0.0	0		SE	3.8	12.2	SE	CLDY	0	6	21
20	69	50	60	0.27	0.0	0	TRW,RW-	N	6.3	23.3	N	PC	5	0	10
21	66	46	56	0.00	0.0	0		NE	4.3	13.5	E	CLR	9	0	8
22	69	44	57	0.00	0.0	0		NE	4.1	14.2	NE	CLR	8	0	10
23	68	47	58	T	0.0	0	RW-	N	3.6	12.9	N	CLDY	7	0	9
24	72	47	60	0.00	0.0	0		NW	3.2	14.7	NW	CLR	5	0	11
25	68	53	61	0.00	0.0	0		NE	4.6	15.0	N	PC	4	0	11
26	74	50	62	0.00	0.0	0		NE	3.5	14.0	NE	PC	3	0	12
27	78	53	66	0.00	0.0	0		N	3.4	14.8	N	PC	0	1	16
28	74	53	64	0.08	0.0	0	RW-	W	4.9	20.4	W	CLDY	1	0	14
29	72	53	63	0.00	0.0	0		N	6.0	22.5	N	PC	2	0	13
30	75	49	62	0.19	0.0	0	TRW,RW-	SW	5.7	21.5	SW	CLDY	3	0	13
31	67	46	57	T	0.0	0	RW-	N	7.7	24.4	NE	CLDY	8	0	9
AVG/TOT	71.4	51.4	61.4	3.59	0.0			NE	5.3				134	30	385
DEP.	-2.2	-0.4	-1.3	-1.21	0.0			S	-1.0				-9	-40	-43

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	18	13	9	2	1	0	7	12	12					
DEP	-1	0	0	0	+2	+1	-1	-1	0	-3	+1	+2						

	WEATHER TYPES										SEASONAL DEGREE DAYS			PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-May
TOTAL	17	2	0	0	0	0	9	2	0	0	0	5834	43	808	10.26
DFF	+4	-1			0	-1	+3	-1				+28	-35	+73	-5.30

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.