

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 721 ft. Lat: 40.0839° N Lon: 88.2403° W

Station: CHAMPAIGN 3S, IL US USC00118740

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	33.5	17.9	25.7	4.9	5.2	4.9	0.2	0.2	0.1	0.0	0.0	0.0	908.3	970.2	1063.1	1217.9	0.0	0.0	3.2	14.4	27.7	3.3
02	38.4	21.2	29.8	5.8	5.5	5.6	0.7	0.4	0.1	0.0	0.0	0.0	706.2	761.9	845.5	985.4	0.0	0.0	5.8	8.9	24.3	1.3
03	50.4	31.2	40.8	5.2	4.2	4.6	18.1	12.1	5.7	1.3	0.0	0.0	458.4	514.3	601.0	751.5	0.0	0.0	15.7	2.0	18.2	0.1
04	63.1	41.6	52.4	3.4	3.0	3.1	77.2	55.8	31.6	8.6	1.3	0.5	156.7	195.3	261.1	388.1	0.0	0.0	26.7	0.0	5.0	0.0
05	73.8	52.7	63.2	3.7	3.2	3.3	279.2	230.4	165.9	84.0	31.1	18.0	23.5	36.6	65.2	138.3	0.0	0.9	30.8	0.0	0.1	0.0
06	82.7	62.1	72.4	2.2	2.0	1.9	522.1	462.7	375.0	235.9	117.9	81.1	0.2	0.9	3.2	14.2	0.1	5.6	30.0	0.0	0.0	0.0
07	85.2	65.2	75.2	3.4	2.4	2.8	626.2	564.2	471.1	317.3	173.9	125.7	0.0	0.0	0.0	1.2	0.4	7.5	31.0	0.0	0.0	0.0
08	84.0	63.6	73.8	2.7	2.8	2.6	582.7	520.7	427.9	275.7	139.8	95.8	0.0	0.0	0.2	3.1	0.1	5.4	31.0	0.0	0.0	0.0
09	78.8	55.6	67.2	3.5	2.7	2.9	372.9	317.8	239.4	129.9	55.0	34.7	7.0	11.8	23.6	64.1	0.1	3.3	30.0	0.0	0.1	0.0
10	65.8	43.9	54.8	2.8	2.3	2.4	115.2	87.3	54.2	19.4	4.8	2.5	119.8	154.0	213.8	334.1	0.0	0.2	28.8	0.0	3.3	0.0
11	50.7	32.2	41.4	5.2	3.7	4.3	12.8	7.5	2.8	0.4	0.0	0.0	419.2	474.0	559.2	706.8	0.0	0.0	15.8	1.6	15.9	0.0
12	38.5	23.6	31.1	4.8	4.7	4.7	1.2	0.6	0.2	0.0	0.0	0.0	743.5	805.0	897.5	1052.3	0.0	0.0	5.2	9.1	25.2	0.6
Summary	62.1	42.6	52.3	4.0	3.5	3.6	2608	2260	1774	1073	524	358	3543	3924	4533	5657	0.7	22.9	254.0	36.0	119.8	5.3

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Precipitation (in.)								
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount		
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels		
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75
01	2.31	9.9	5.1	1.5	0.5	1.35	2.09	2.75
02	2.18	9.2	4.6	1.2	0.3	1.23	1.95	2.88
03	2.77	10.8	5.8	2.0	0.5	1.74	2.50	3.16
04	3.94	11.9	7.7	2.8	0.7	2.48	3.61	4.73
05	4.78	13.4	8.6	3.3	1.3	3.47	4.24	6.07
06	4.58	11.2	7.2	3.2	1.5	2.43	4.30	6.25
07	4.49	10.3	6.5	3.1	1.4	2.83	3.69	5.48
08	3.54	9.1	5.6	2.2	0.9	1.81	3.08	5.20
09	3.37	7.9	5.3	2.3	1.0	2.07	3.21	4.20
10	3.35	9.8	6.1	2.2	0.8	1.99	3.04	4.05
11	3.21	9.8	6.4	2.1	0.6	2.09	3.19	4.09
12	2.40	9.9	5.1	1.6	0.3	1.71	2.00	2.70
Summary	40.92	123.2	74.0	27.5	9.8	25.20	36.90	51.56

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Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	6.50	5.4	2.0	0.8	0.2	0.0	12.2	6.7	3.1	0.9	3.50	5.20	8.70
02	5.80	4.4	2.0	0.5	0.3	0.0	8.6	4.8	2.4	0.4	1.90	2.90	9.90
03	2.50	2.1	0.7	0.2	0.1	0.0	2.3	1.0	0.6	0.1	0.30	1.80	2.60
04	0.30	0.3	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
05	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.90	1.1	0.4	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.00	0.20	1.90
12	4.80	4.1	1.5	0.4	0.1	0.0	5.8	2.9	1.1	0.0	1.50	3.70	6.30
Summary	20.8	17.4	6.7	1.9	0.7	0.0	29.9	15.5	7.2	1.4	7.2	13.8	29.4

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	13.9	28.4	144.6	383.4	720.7	971.7	1091.1	1047.6	815.8	465.2	146.1	31.0
45	4.9	11.0	80.5	256.5	566.5	821.8	936.1	892.7	666.0	323.8	77.0	11.7
50	1.3	3.5	41.1	152.2	416.8	671.9	781.2	737.7	517.5	205.0	35.2	4.1
55	0.2	0.7	18.1	77.2	279.2	522.1	626.2	582.7	372.9	115.2	12.8	1.2
60	0.1	0.1	5.7	31.6	165.9	375.0	471.1	427.9	239.4	54.2	2.8	0.2
Growing Degree Units for Corn (Monthly)												
50/86	7.6	18.7	87.3	220.7	441.2	653.3	751.3	715.6	520.2	271.9	80.5	15.0

Growing Degree Units (Accumulated Monthly)												
40	14	42	187	570	1291	2263	3354	4401	5217	5682	5828	5860
45	5	16	96	353	919	1741	2677	3570	4236	4560	4637	4648
50	1	5	46	198	615	1287	2068	2806	3323	3528	3563	3567
55	0	1	19	96	375	898	1524	2106	2479	2594	2607	2608
60	0	0	6	38	203	578	1050	1477	1717	1771	1774	1774
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	8	26	114	334	776	1429	2180	2896	3416	3688	3768	3783

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
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