

Summary of Monthly Normals
1991-2020

Generated on 05/07/2024

Current Location: Elev: 671 ft. Lat: 41.5603° N Lon: 89.6025° W
Station: WALNUT, IL US USC00118916

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	29.3	12.9	21.1	4.8	5.6	5.1	0.0	0.0	0.0	0.0	0.0	0.0	1050.7	1112.7	1205.7	1360.7	0.0	0.0	1.5	17.5	29.6	6.2
02	33.9	17.0	25.4	6.0	6.8	6.3	0.1	0.1	0.0	0.0	0.0	0.0	827.4	883.4	967.3	1107.3	0.0	0.0	2.7	11.9	25.5	3.5
03	46.9	28.0	37.5	5.3	4.8	5.0	7.9	4.8	2.1	0.3	0.0	0.0	552.0	610.9	701.2	854.4	0.0	0.0	11.6	3.7	22.0	0.4
04	60.5	38.6	49.5	3.9	3.1	3.3	56.2	41.0	24.4	8.6	1.5	0.6	219.7	264.5	337.9	472.1	0.0	0.0	24.6	0.0	6.9	0.0
05	71.7	50.6	61.1	3.8	3.4	3.5	231.9	188.9	133.6	65.1	23.9	14.1	41.3	60.3	97.9	184.5	0.0	1.0	30.6	0.0	0.4	0.0
06	80.6	60.3	70.5	2.3	1.8	1.8	464.6	406.0	320.4	190.5	89.0	60.1	1.2	2.6	7.0	27.1	0.0	3.5	30.0	0.0	0.0	0.0
07	83.3	63.4	73.4	3.4	2.7	2.9	568.8	506.8	414.1	263.9	134.7	94.3	0.0	0.0	0.3	5.2	0.2	5.3	31.0	0.0	0.0	0.0
08	81.5	61.1	71.3	2.8	2.8	2.6	505.3	443.6	351.6	207.2	92.5	59.7	0.0	0.3	1.4	12.0	0.0	2.8	31.0	0.0	0.0	0.0
09	76.0	52.9	64.4	3.4	3.0	3.0	300.4	250.2	182.2	92.3	35.4	21.5	17.0	26.8	48.8	108.9	0.0	1.6	30.0	0.0	0.2	0.0
10	63.2	41.0	52.1	3.2	2.6	2.6	82.3	60.6	36.6	12.6	3.9	2.2	172.2	212.5	281.6	412.5	0.0	0.1	27.3	0.0	5.8	0.0
11	47.7	29.7	38.7	5.8	4.3	4.9	9.3	5.6	2.4	0.3	0.0	0.0	498.3	554.6	641.4	789.3	0.0	0.0	13.1	3.1	18.3	0.1
12	35.0	19.1	27.1	5.4	6.0	5.5	0.7	0.4	0.1	0.0	0.0	0.0	867.1	928.7	1021.4	1176.3	0.0	0.0	3.1	11.6	27.5	2.8
Summary	59.1	39.5	49.3	4.2	3.9	3.9	2228	1908	1468	841	381	252	4247	4657	5312	6510	0.2	14.3	236.5	47.8	136.2	13.0

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	1.52	6.3	4.2	0.8	0.2	0.73	1.44	1.95	
02	1.73	5.4	3.7	1.1	0.3	0.94	1.39	2.12	
03	2.22	6.7	5.2	1.6	0.3	0.84	1.88	3.49	
04	3.35	8.2	6.7	2.3	0.6	2.17	3.17	4.18	
05	4.63	9.5	8.2	3.4	1.3	2.99	4.69	5.47	
06	4.93	8.3	7.3	3.6	1.6	3.03	4.78	5.82	
07	3.94	6.8	5.6	2.6	1.0	1.90	3.60	5.14	
08	3.83	7.0	6.1	3.0	1.4	2.27	3.41	4.94	
09	3.40	6.1	5.2	2.3	0.9	1.62	2.92	4.09	
10	2.97	6.5	5.4	2.0	0.9	1.36	2.44	4.05	
11	2.33	5.8	4.8	1.4	0.4	1.19	1.72	3.21	
12	1.99	6.1	4.0	0.9	0.3	1.26	1.47	2.24	
Summary	36.84	82.7	66.4	25.0	9.2	20.30	32.91	46.70	

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	12.70	4.6	4.3	1.8	0.8	0.0					8.00	12.50	17.10
02	8.40	3.0	2.6	1.3	0.5	0.0					1.10	6.00	14.50
03	4.70	1.8	1.7	0.7	0.2	0.0					1.90	3.20	7.20
04	0.60	0.4	0.3	0.0	0.0	0.0					0.00	0.00	0.60
05	0.00	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					0.00	0.00	0.00
07	0.00	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					0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
10	0.20	0.1	0.1	0.0	0.0	0.0					0.00	0.00	0.00
11	2.00	0.7	0.7	0.2	0.1	0.1					0.00	0.00	2.00
12	7.30	3.1	2.9	1.3	0.5	0.0					1.00	5.20	9.70
Summary	35.9	13.7	12.6	5.3	2.1	0.1	0.0	0.0	0.0	0.0	12.0	26.9	51.1

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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	4.2	14.1	95.1	313.0	655.8	913.2	1033.7	970.1	733.4	387.2	109.5	16.5
45	0.4	5.2	48.5	198.9	502.9	763.3	878.7	815.2	584.4	258.1	55.9	5.5
50	0.0	1.2	21.7	112.7	357.5	613.5	723.8	660.2	438.3	156.1	25.4	2.2
55	0.0	0.1	7.9	56.2	231.9	464.6	568.8	505.3	300.4	82.3	9.3	0.7
60	0.0	0.0	2.1	24.4	133.6	320.4	414.1	351.6	182.2	36.6	2.4	0.1
Growing Degree Units for Corn (Monthly)												
50/86	3.0	8.4	57.5	185.5	393.3	604.6	704.0	650.6	462.3	228.1	60.7	8.6

Growing Degree Units (Accumulated Monthly)												
40	4	18	113	426	1082	1995	3029	3999	4733	5120	5229	5246
45	0	6	54	253	756	1519	2398	3213	3797	4056	4111	4117
50	0	1	23	136	493	1107	1830	2491	2929	3085	3110	3113
55	0	0	8	64	296	761	1330	1835	2135	2218	2227	2228
60	0	0	2	26	160	480	895	1246	1428	1465	1467	1468
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	3	11	69	254	648	1252	1956	2607	3069	3297	3358	3367

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