

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 990 ft. Lat: 36.8825° N Lon: 83.8819° W
Station: BARBOURVILLE, KY US USC00150381

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	45.1	24.6	34.9	4.3	4.5	4.2	3.1	1.7	0.8	0.1	0.0	0.0	627.5	688.1	780.3	934.6	0.0	0.0	12.1	5.0	23.3	0.7
02	50.1	27.6	38.9	4.5	4.5	4.3	6.3	3.9	1.9	0.3	0.0	0.0	458.5	512.1	594.1	732.5	0.0	0.0	14.9	2.3	20.7	0.3
03	58.8	32.8	45.8	4.7	3.5	3.9	28.7	18.6	9.1	1.1	0.0	0.0	313.9	365.8	449.2	596.3	0.0	0.0	23.1	0.4	16.4	0.0
04	69.3	41.3	55.3	3.6	2.8	3.0	119.3	89.3	53.1	15.2	1.8	0.5	110.3	140.3	194.1	306.2	0.0	0.0	28.2	0.0	6.1	0.0
05	77.4	51.4	64.4	3.4	3.6	3.3	307.5	255.0	184.1	88.1	26.0	11.9	16.1	25.7	47.7	106.8	0.0	0.9	30.9	0.0	0.3	0.0
06	84.3	60.3	72.3	2.2	2.1	1.9	519.2	459.5	371.4	230.5	107.7	68.6	0.3	0.6	2.5	11.6	0.1	5.7	30.0	0.0	0.0	0.0
07	87.0	64.8	75.9	2.1	2.3	2.0	647.8	585.8	492.9	338.3	190.0	136.0	0.0	0.0	0.0	0.5	0.1	9.7	31.0	0.0	0.0	0.0
08	86.2	63.6	74.9	2.8	2.4	2.4	616.8	554.8	462.0	308.3	163.6	113.9	0.0	0.0	0.1	1.5	0.1	8.2	31.0	0.0	0.0	0.0
09	81.1	56.3	68.7	3.4	3.1	2.5	414.0	356.8	273.9	150.7	59.6	35.1	3.1	5.9	13.0	39.8	0.0	4.2	30.0	0.0	0.0	0.0
10	70.6	43.5	57.1	2.9	3.0	2.3	143.5	109.6	67.5	22.4	5.8	3.1	80.0	108.0	158.9	268.8	0.0	0.3	30.3	0.0	4.0	0.0
11	58.3	32.8	45.5	4.8	3.2	3.6	23.1	14.5	6.4	0.9	0.0	0.0	306.5	357.9	439.8	584.3	0.0	0.0	22.7	0.2	17.5	0.0
12	48.9	27.9	38.4	5.0	4.1	4.3	6.8	3.7	1.2	0.0	0.0	0.0	521.3	580.3	670.7	824.6	0.0	0.0	15.1	2.4	22.1	0.0
Summary	68.1	43.9	56.0	3.6	3.3	3.1	2836	2453	1924	1156	554	369	2438	2785	3350	4408	0.3	29.0	299.3	10.3	110.4	1.0

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	4.37	13.1	8.3	3.2	1.2	3.33	4.06	5.10	
02	4.35	13.4	8.3	2.5	1.3	2.63	3.52	5.28	
03	4.91	13.3	9.0	3.9	1.3	3.28	4.61	6.34	
04	5.08	12.7	8.7	3.4	1.5	2.92	4.96	6.08	
05	4.54	12.9	8.6	3.2	1.1	3.27	4.06	5.90	
06	5.11	12.3	8.7	3.5	1.5	3.44	5.45	6.16	
07	5.77	12.8	9.6	4.3	1.9	4.06	6.32	7.34	
08	3.98	9.4	6.5	2.8	1.3	2.99	3.95	4.97	
09	3.45	9.1	6.2	2.3	1.1	1.64	3.38	4.86	
10	3.13	9.6	6.3	2.2	0.7	1.86	3.03	3.98	
11	3.82	10.7	7.5	3.1	1.1	2.85	3.79	4.22	
12	5.26	13.9	8.9	3.8	1.3	4.16	5.26	6.58	
Summary	53.77	143.2	96.6	38.2	15.3	36.43	52.39	66.81	

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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	70.7	97.0	233.4	466.4	756.4	968.9	1112.8	1081.7	860.8	531.0	213.6	100.1
45	30.8	45.3	137.1	330.9	601.6	818.9	957.8	926.8	710.9	384.4	120.3	49.1
50	11.1	17.7	69.8	211.6	449.6	668.9	802.8	771.8	561.3	250.8	58.7	20.8
55	3.1	6.3	28.7	119.3	307.5	519.2	647.8	616.8	414.0	143.5	23.1	6.8
60	0.8	1.9	9.1	53.1	184.1	371.4	492.9	462.0	273.9	67.5	6.4	1.2
Growing Degree Units for Corn (Monthly)												
50/86	46.1	72.6	167.8	306.0	483.1	650.7	765.7	738.1	561.5	342.0	153.2	65.5

Growing Degree Units (Accumulated Monthly)												
40	71	168	401	868	1624	2593	3706	4787	5648	6179	6393	6493
45	31	76	213	544	1146	1965	2922	3849	4560	4944	5065	5114
50	11	29	99	310	760	1429	2232	3003	3565	3815	3874	3895
55	3	9	38	157	465	984	1632	2249	2663	2806	2829	2836
60	1	3	12	65	249	620	1113	1575	1849	1917	1923	1924
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	46	119	286	592	1076	1726	2492	3230	3792	4134	4287	4352

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