

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 520 ft. Lat: 36.8492° N Lon: 87.5206° W
Station: **HOPKINSVILLE, KY US USC00153994**

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	43.8	27.2	35.5	4.0	4.5	4.1	4.0	2.0	0.6	0.1	0.0	0.0	608.2	668.1	759.7	914.4	0.0	0.0	11.1	5.5	22.9	0.7
02	48.4	30.7	39.6	5.1	5.0	4.9	14.3	9.5	4.4	1.1	0.1	0.0	446.8	498.1	577.0	713.8	0.0	0.0	13.1	3.5	19.7	0.1
03	58.1	37.8	48.0	4.4	4.4	4.3	44.3	30.8	15.8	3.6	0.3	0.1	262.8	311.4	389.4	532.1	0.0	0.0	23.7	0.4	10.7	0.1
04	69.1	47.1	58.1	3.1	2.9	2.9	171.7	136.0	90.5	36.3	9.3	4.3	78.7	103.0	147.5	243.2	0.0	0.0	28.8	0.0	2.3	0.0
05	77.2	57.7	67.4	2.9	3.4	3.0	390.8	333.6	254.6	142.5	60.3	36.7	4.8	9.7	23.6	66.6	0.0	0.9	31.0	0.0	0.0	0.0
06	84.8	66.2	75.5	2.2	2.3	2.1	614.9	555.1	465.7	319.3	181.8	133.1	0.0	0.2	0.9	4.4	0.0	8.2	30.0	0.0	0.0	0.0
07	88.2	70.0	79.1	2.4	2.3	2.1	747.0	685.0	592.0	437.2	283.5	223.7	0.0	0.0	0.0	0.1	0.0	14.1	31.0	0.0	0.0	0.0
08	87.5	68.2	77.9	3.4	2.6	2.8	708.2	646.2	553.2	398.8	249.1	192.9	0.0	0.0	0.0	0.5	1.4	12.5	31.0	0.0	0.0	0.0
09	81.9	60.8	71.4	3.4	2.5	2.8	491.9	433.5	348.5	217.8	110.7	76.7	1.5	3.1	8.2	27.4	0.0	5.7	30.0	0.0	0.0	0.0
10	70.9	48.6	59.7	3.1	2.9	2.6	201.5	160.5	110.2	49.9	16.7	9.8	54.2	75.3	118.0	212.6	0.0	0.2	30.7	0.0	2.0	0.0
11	58.0	38.2	48.1	4.6	3.6	3.8	43.6	30.0	16.1	3.7	0.4	0.1	250.5	296.9	373.0	510.7	0.0	0.0	23.8	0.3	10.7	0.0
12	47.0	31.4	39.2	4.9	4.1	4.4	7.7	4.3	1.6	0.1	0.0	0.0	497.3	555.9	646.3	799.9	0.0	0.0	13.9	2.6	18.8	0.0
Summary	67.9	48.7	58.3	3.6	3.4	3.3	3440	3026	2453	1610	912	677	2205	2522	3044	4026	1.4	41.6	298.1	12.3	87.1	0.9

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	3.41	10.2	6.7	2.8	1.1	2.21	3.04	4.75	
02	4.06	10.1	7.2	3.6	1.2	2.54	3.25	5.26	
03	4.76	11.7	7.4	3.1	1.1	2.85	4.12	6.38	
04	4.81	11.5	8.3	3.4	1.1	3.17	4.63	5.49	
05	5.38	11.9	8.2	3.5	1.5	4.13	5.25	6.29	
06	4.26	10.0	6.8	3.3	1.3	2.83	3.72	5.57	
07	4.87	8.9	6.4	3.2	1.6	2.95	4.19	5.60	
08	4.29	7.3	4.5	2.5	1.0	2.36	3.95	5.10	
09	3.54	7.8	5.0	2.4	1.1	1.25	2.95	4.66	
10	3.79	7.8	5.0	2.6	1.1	2.68	3.65	4.58	
11	3.90	10.3	6.8	2.8	1.2	2.21	3.34	4.99	
12	4.69	11.0	7.2	3.5	1.7	3.57	4.17	6.13	
Summary	51.76	118.5	79.5	36.7	15.0	32.75	46.26	64.80	

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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	1.80	1.3	0.5	0.1	0.0	0.0					0.00	1.40	3.60
02	1.80	1.4	0.7	0.2	0.0	0.0					0.00	0.90	2.40
03	0.80	0.5	0.2	0.1	0.1	0.0					0.00	0.00	0.50
04	0.10	0.1	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					0.00	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	0.00	0.1	0.0	0.0	0.0	0.0					0.00	0.00	0.00
11	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
12	0.70	0.8	0.3	0.1	0.0	0.0					0.00	0.00	1.00
Summary	5.2	4.2	1.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.3	7.5

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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	77.4	124.6	285.5	547.0	850.9	1064.9	1212.0	1173.2	940.3	613.6	279.7	110.9
45	36.8	67.8	175.5	405.9	696.0	914.9	1057.0	1018.2	790.3	463.4	174.9	54.1
50	14.7	32.8	95.4	279.0	541.7	764.8	901.9	863.2	640.4	323.5	96.2	23.2
55	4.0	14.3	44.3	171.7	390.8	614.9	747.0	708.2	491.9	201.5	43.6	7.7
60	0.6	4.4	15.8	90.5	254.6	465.7	592.0	553.2	348.5	110.2	16.1	1.6
Growing Degree Units for Corn (Monthly)												
50/86	39.4	71.0	163.5	331.7	550.7	738.8	852.7	813.7	626.4	375.6	156.6	50.3

Growing Degree Units (Accumulated Monthly)												
40	77	202	488	1034	1885	2950	4162	5336	6276	6889	7169	7280
45	37	105	280	686	1382	2297	3354	4372	5162	5626	5801	5855
50	15	48	143	422	964	1728	2630	3494	4134	4457	4554	4577
55	4	18	63	234	625	1240	1987	2695	3187	3389	3432	3440
60	1	5	21	111	366	832	1424	1977	2325	2436	2452	2453
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	39	110	274	606	1156	1895	2748	3562	4188	4564	4720	4770

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