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

Summary of Monthly Normals
1991-2020

Generated on 11/11/2026

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

Current Location: Elev: 488 ft. Lat: 38.1811° N Lon: 85.7392° W

Station: **LOUISVILLE INTL AP, KY US USW00093821**

Temperature (°F)

	Mean						Cooling Degree Days Base (above)						Heating Degree Days Base (above)				Mean Number of Days					
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	43.6	27.8	35.7	4.6	4.6	4.5	6.2	3.5	1.2	0.1	0.0	0.0	604.2	663.7	754.3	908.3	0.0	0.0	9.7	6.1	21.3	0.3
02	48.3	30.7	39.5	5.2	4.6	4.9	10.3	6.4	3.1	0.6	0.0	0.0	444.2	496.4	577.0	714.6	0.0	0.0	12.6	3.1	16.7	0.1
03	58.1	38.6	48.4	4.6	3.9	4.2	55.6	40.8	24.2	8.0	1.6	0.6	261.7	309.0	385.4	524.2	0.0	0.0	22.6	0.5	9.5	0.0
04	69.6	48.5	59.0	3.0	2.9	2.9	187.4	149.7	101.7	43.7	12.8	6.6	65.9	88.2	130.3	222.2	0.0	0.0	28.9	0.0	1.2	0.0
05	77.8	58.7	68.3	3.1	3.5	3.2	415.3	357.5	275.8	159.5	74.0	48.8	4.5	8.7	20.0	58.8	0.0	1.2	31.0	0.0	0.0	0.0
06	85.7	67.2	76.4	2.2	2.1	2.0	643.4	583.4	493.6	346.3	207.7	157.8	0.0	0.0	0.1	2.8	0.1	8.6	30.0	0.0	0.0	0.0
07	89.0	70.8	79.9	2.9	2.3	2.5	771.8	709.8	616.8	461.9	307.8	247.7	0.0	0.0	0.0	0.1	0.4	14.3	31.0	0.0	0.0	0.0
08	88.4	69.5	78.9	2.9	2.4	2.4	742.3	680.3	587.3	432.6	280.2	221.6	0.0	0.0	0.0	0.2	0.4	12.6	31.0	0.0	0.0	0.0
09	82.2	61.9	72.0	3.8	2.7	3.1	512.4	453.7	367.5	233.0	124.1	89.3	1.0	2.3	6.1	21.5	0.1	5.5	30.0	0.0	0.0	0.0
10	70.5	50.1	60.3	3.0	2.5	2.5	210.1	167.7	114.6	51.9	17.6	10.3	45.8	65.4	105.3	197.6	0.0	0.4	30.5	0.0	0.5	0.0
11	57.6	39.4	48.5	4.7	3.6	4.0	45.8	31.6	16.4	4.0	0.4	0.1	240.7	286.5	361.3	499.0	0.0	0.0	22.4	0.2	8.1	0.0
12	47.2	32.1	39.6	4.7	4.2	4.4	10.7	6.7	2.9	0.5	0.1	0.0	486.4	544.5	633.7	786.3	0.0	0.0	12.5	3.3	16.8	0.0
Summary	68.2	49.6	58.9	3.7	3.3	3.4	3611	3191	2605	1742	1026	783	2154	2465	2974	3936	1.0	42.6	292.2	13.2	74.1	0.4

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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	3.39	11.2	6.3	2.2	0.7	2.52	3.43	4.20
02	3.41	10.4	6.0	2.5	0.8	2.01	2.90	4.03
03	4.60	12.1	7.9	3.2	1.1	3.49	4.17	5.21
04	4.80	11.9	7.9	3.4	1.3	3.23	4.21	5.98
05	5.18	12.6	8.2	3.6	1.6	3.64	4.64	6.32
06	4.27	10.5	7.6	2.8	1.1	2.67	3.97	6.30
07	4.05	10.2	7.0	3.1	1.0	3.00	4.03	5.11
08	3.71	8.2	5.4	2.6	1.1	2.21	3.44	5.46
09	3.66	7.9	4.7	2.2	1.1	1.43	3.05	5.61
10	3.72	7.9	5.3	2.4	1.2	2.03	2.78	5.14
11	3.42	9.8	6.0	2.7	0.7	2.14	3.12	4.66
12	4.13	11.8	7.2	2.8	1.1	2.92	3.71	5.23
Summary	48.34	124.5	79.5	33.5	12.8	31.29	43.45	63.25

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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	4.50	3.7	1.5	0.4	0.1	0.0	4.6	1.5	0.7	0.4	1.10	2.80	7.20
02	4.10	3.7	1.1	0.4	0.2	0.0	3.3	1.4	0.6	0.0	0.80	1.90	5.90
03	2.10	1.7	0.6	0.2	0.1	0.0	0.9	0.5	0.2	0.0	0.00	0.50	2.00
04	0.10	0.1	0.0	0.0	0.0	0.0	0.0	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	0.10	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	0.30	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.30
12	2.20	2.5	0.7	0.1	0.0	0.0	2.2	0.7	0.3	0.0	0.20	0.80	3.60
Summary	13.4	12.3	3.9	1.1	0.4	0.0	11.1	4.1	1.8	0.4	2.1	6.0	19.0

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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	80.9	113.5	296.5	573.4	875.7	1093.3	1236.8	1207.2	961.3	630.2	285.7	120.4
45	39.3	59.7	188.9	430.5	720.7	943.4	1081.8	1052.3	811.4	478.6	179.2	61.8
50	17.1	27.3	109.0	299.1	566.2	793.4	926.8	897.3	661.5	335.3	97.8	27.8
55	6.2	10.3	55.6	187.4	415.3	643.4	771.8	742.3	512.4	210.1	45.8	10.7
60	1.2	3.1	24.2	101.7	275.8	493.6	616.8	587.3	367.5	114.6	16.4	2.9
Growing Degree Units for Corn (Monthly)												
50/86	40.4	63.8	167.6	345.1	568.7	759.0	865.6	841.1	640.8	374.4	151.0	56.4
Growing Degree Units (Accumulated Monthly)												
40	81	194	491	1064	1940	3033	4270	5477	6439	7069	7354	7475
45	39	99	288	718	1439	2382	3464	4517	5328	5807	5986	6048
50	17	44	153	452	1019	1812	2739	3636	4298	4633	4731	4759
55	6	16	72	260	675	1318	2090	2832	3345	3555	3601	3611
60	1	4	28	130	406	900	1516	2104	2471	2586	2602	2605
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	40	104	272	617	1186	1945	2810	3651	4292	4666	4817	4874

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

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