

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 409 ft. Lat: 37.3997° N Lon: 87.7622° W

Station: PROVIDENCE, KY US USC00156595

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	43.4	24.9	34.1	4.2	4.9	4.4	4.4	2.4	0.7	0.1	0.0	0.0	650.5	710.5	801.8	956.2	0.0	0.0	10.4	5.5	23.3	0.5
02	48.0	27.5	37.7	5.1	4.3	4.5	7.5	4.8	2.1	0.2	0.0	0.0	490.4	543.8	625.1	763.2	0.0	0.0	13.1	3.1	19.4	0.2
03	57.8	35.7	46.8	5.1	4.6	4.8	44.9	32.4	18.0	4.6	0.6	0.3	300.7	350.1	428.7	570.3	0.0	0.0	23.5	0.3	12.4	0.0
04	69.3	45.2	57.3	3.2	3.3	3.2	156.6	123.1	80.6	31.7	7.7	3.2	89.1	115.6	163.1	264.2	0.0	0.1	29.1	0.0	2.6	0.0
05	78.3	56.3	67.3	2.8	3.3	2.9	387.9	331.5	252.7	141.4	60.1	36.9	6.7	12.3	26.4	70.1	0.0	2.6	31.0	0.0	0.0	0.0
06	86.3	65.1	75.7	2.5	2.4	2.2	620.9	560.9	471.3	325.1	190.7	143.2	0.0	0.0	0.5	4.2	0.1	12.1	30.0	0.0	0.0	0.0
07	89.6	69.0	79.3	2.4	2.4	2.3	753.2	691.2	598.2	443.4	290.5	232.3	0.0	0.0	0.0	0.1	0.7	18.5	31.0	0.0	0.0	0.0
08	88.6	66.7	77.7	3.2	2.8	2.8	702.0	640.0	547.0	393.0	243.4	188.1	0.0	0.0	0.0	0.9	1.1	15.2	31.0	0.0	0.0	0.0
09	82.7	58.4	70.6	3.0	2.7	2.5	468.2	410.1	325.9	199.0	98.8	68.1	1.8	3.7	9.5	32.5	0.1	7.1	30.0	0.0	0.0	0.0
10	71.2	46.3	58.8	2.8	2.2	2.1	181.3	143.4	96.5	41.7	13.1	7.4	65.1	89.2	135.3	235.4	0.0	0.7	30.8	0.0	2.3	0.0
11	57.9	35.6	46.8	4.7	3.9	4.2	35.7	24.1	12.3	3.0	0.2	0.1	283.1	331.5	409.8	550.5	0.0	0.0	23.7	0.2	12.7	0.0
12	47.4	28.9	38.1	4.6	3.5	3.9	6.1	3.5	1.3	0.0	0.0	0.0	528.3	587.7	678.5	832.3	0.0	0.0	13.3	2.6	20.5	0.1
Summary	68.4	46.6	57.5	3.6	3.4	3.3	3369	2967	2407	1583	905	680	2416	2744	3279	4280	2.0	56.3	296.9	11.7	93.2	0.8

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	2.72	9.0	6.2	2.3	0.7	1.58	2.61	3.40
02	3.78	9.4	7.2	2.9	1.2	2.50	3.23	4.70
03	4.73	10.4	7.7	3.0	1.1	2.37	4.11	6.69
04	5.10	10.2	8.4	3.4	1.3	3.82	4.62	5.86
05	5.00	10.6	8.4	3.4	1.4	3.73	5.10	6.07
06	4.59	8.4	6.7	3.1	1.7	3.27	3.86	5.25
07	4.78	8.1	6.6	3.5	1.6	2.95	4.34	6.35
08	2.61	6.5	4.8	1.9	0.7	1.50	2.17	3.07
09	3.34	6.5	4.9	2.3	1.3	1.37	2.85	5.48
10	3.47	7.5	5.6	2.5	1.1	2.07	3.11	4.46
11	3.86	8.1	6.9	2.9	1.4	2.10	3.31	5.66
12	4.53	10.3	7.5	2.9	1.3	2.66	4.11	6.44
Summary	48.51	105.0	80.9	34.1	14.8	29.92	43.42	63.43

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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	65.3	93.8	260.2	521.1	846.2	1070.7	1218.1	1166.9	916.3	582.7	246.0	95.3
45	31.3	47.5	161.9	382.6	691.3	920.8	1063.2	1012.0	766.4	432.9	148.6	45.3
50	13.4	20.7	90.9	258.3	537.0	770.8	908.2	857.0	616.6	296.2	79.4	18.8
55	4.4	7.5	44.9	156.6	387.9	620.9	753.2	702.0	468.2	181.3	35.7	6.1
60	0.7	2.1	18.0	80.6	252.7	471.3	598.2	547.0	325.9	96.5	12.3	1.3
Growing Degree Units for Corn (Monthly)												
50/86	38.0	61.4	161.6	324.0	548.1	732.0	839.5	796.7	604.5	363.3	150.3	53.0

Growing Degree Units (Accumulated Monthly)												
40	65	159	419	940	1787	2857	4075	5242	6159	6741	6987	7083
45	31	79	241	623	1315	2235	3299	4311	5077	5510	5658	5704
50	13	34	125	383	920	1691	2599	3456	4073	4369	4448	4467
55	4	12	57	213	601	1222	1975	2677	3146	3327	3363	3369
60	1	3	21	101	354	825	1424	1971	2296	2393	2405	2407
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	38	99	261	585	1133	1865	2705	3501	4106	4469	4619	4672

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