

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 497 ft. Lat: 37.1244° N Lon: 87.8672° W
Station: PRINCETON 1 SE, KY US USC00156580

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	46.3	27.1	36.7	4.0	4.7	4.2	5.7	3.2	0.9	0.1	0.0	0.0	572.8	632.3	723.0	877.2	0.0	0.0	12.9	3.6	20.7	0.4
02	51.1	30.0	40.6	5.0	4.5	4.6	12.4	8.0	3.7	0.7	0.0	0.0	416.9	468.5	548.2	685.3	0.0	0.0	16.2	1.8	16.2	0.2
03	60.7	37.6	49.1	4.6	4.2	4.3	62.8	46.5	27.0	7.6	1.0	0.4	244.1	289.8	363.3	499.0	0.0	0.0	25.8	0.2	10.0	0.1
04	71.5	46.8	59.2	2.8	3.0	2.8	184.2	145.3	95.8	37.9	9.5	4.3	59.7	80.8	121.3	213.4	0.0	0.0	29.6	0.0	2.0	0.0
05	78.8	56.0	67.4	2.6	3.5	2.9	390.0	333.2	253.1	138.9	55.0	31.4	5.6	10.8	23.7	64.5	0.0	1.3	31.0	0.0	0.1	0.0
06	86.1	64.2	75.1	2.2	2.4	2.0	604.4	544.4	454.7	308.0	172.3	124.3	0.0	0.1	0.3	3.5	0.1	9.6	30.0	0.0	0.0	0.0
07	89.2	67.7	78.5	2.7	2.4	2.4	726.9	664.9	571.9	417.0	264.5	206.2	0.0	0.0	0.0	0.1	0.6	16.6	31.0	0.0	0.0	0.0
08	88.6	66.0	77.3	3.4	2.6	2.7	691.2	629.2	536.2	382.1	232.7	177.1	0.0	0.0	0.0	0.9	1.2	14.9	31.0	0.0	0.0	0.0
09	83.3	58.6	70.9	3.4	2.5	2.6	479.7	421.0	335.6	204.7	99.9	67.5	1.3	2.6	7.2	26.3	0.1	6.5	30.0	0.0	0.0	0.0
10	72.7	47.3	60.0	3.2	2.4	2.3	205.9	164.8	111.9	48.5	14.4	7.6	50.9	71.8	111.9	203.5	0.0	0.3	30.8	0.0	1.8	0.0
11	59.7	37.4	48.5	4.4	3.8	3.9	48.0	33.6	18.6	4.8	0.5	0.1	241.4	287.0	362.0	498.3	0.0	0.0	25.5	0.1	10.0	0.0
12	49.2	30.4	39.8	4.5	4.2	4.2	9.7	5.8	2.3	0.3	0.0	0.0	480.8	538.8	628.4	781.4	0.0	0.0	16.0	1.7	17.5	0.1
Summary	69.8	47.4	58.6	3.6	3.3	3.2	3421	3000	2412	1551	850	619	2074	2382	2889	3853	2.0	49.2	309.8	7.4	78.3	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	3.66	9.7	6.4	2.6	0.9	2.38	3.69	4.76
02	4.05	9.5	6.4	2.8	1.4	2.47	3.59	5.29
03	4.75	11.1	8.1	3.0	1.3	3.30	4.18	5.77
04	5.13	10.5	7.7	3.5	1.6	3.76	4.53	5.94
05	4.79	11.0	8.1	3.2	1.1	3.48	4.88	5.98
06	4.47	10.2	7.0	2.9	1.5	3.09	4.23	5.16
07	4.53	8.7	6.3	3.2	1.6	2.32	4.01	6.26
08	3.51	7.5	5.3	2.3	0.8	1.77	2.48	4.53
09	3.28	6.6	4.7	2.2	1.2	1.21	3.38	4.82
10	4.07	8.1	5.6	2.5	1.2	2.27	3.64	6.15
11	4.09	9.3	6.5	2.8	1.4	2.58	3.41	4.91
12	4.55	10.7	7.3	3.0	1.3	2.88	4.29	6.16
Summary	50.88	112.9	79.4	34.0	15.3	31.51	46.31	65.73

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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	2.60	1.3	0.9	0.2	0.0	0.0	1.1	0.3	0.0	0.0	0.00	1.30	3.00
02	2.70	1.4	0.7	0.2	0.1	0.0	1.0	0.2	0.1	0.0	0.00	2.10	3.60
03	1.40	0.5	0.3	0.1	0.0	0.0	0.3	0.2	0.1	0.0	0.00	0.00	0.00
04	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
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	0.10	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	1.60	0.9	0.5	0.1	0.1	0.0	0.7	0.2	0.1	0.0	0.00	0.00	2.50
Summary	8.5	4.2	2.5	0.6	0.2	0.0	3.1	0.9	0.3	0.0	0.0	3.4	9.1

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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	87.9	131.0	319.7	576.5	849.4	1054.3	1191.8	1156.1	928.3	621.1	287.9	121.8
45	42.0	69.9	207.2	433.0	694.4	904.3	1036.8	1001.1	778.4	470.3	180.2	60.9
50	17.3	32.3	121.4	299.7	539.9	754.4	881.9	846.2	628.5	328.1	100.0	26.9
55	5.7	12.4	62.8	184.2	390.0	604.4	726.9	691.2	479.7	205.9	48.0	9.7
60	0.9	3.7	27.0	95.8	253.1	454.7	571.9	536.2	335.6	111.9	18.6	2.3
Growing Degree Units for Corn (Monthly)												
50/86	49.5	81.1	200.5	365.6	556.5	722.2	820.5	787.8	615.5	396.9	173.5	64.3

Growing Degree Units (Accumulated Monthly)												
40	88	219	539	1115	1964	3019	4211	5367	6295	6916	7204	7326
45	42	112	319	752	1446	2351	3388	4389	5167	5637	5818	5878
50	17	50	171	471	1011	1765	2647	3493	4122	4450	4550	4577
55	6	18	81	265	655	1260	1986	2678	3157	3363	3411	3421
60	1	5	32	127	380	835	1407	1943	2279	2391	2409	2412
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	50	131	331	697	1253	1975	2796	3584	4199	4596	4770	4834

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