

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 980 ft. Lat: 40.3986° N Lon: 93.5839° W
Station: PRINCETON, MO US USC00236866

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	33.6	14.7	24.2	4.9	5.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	956.1	1018.0	1111.0	1266.1	0.0	0.0	4.1	13.7	28.8	4.0
02	38.8	18.2	28.5	6.8	5.9	6.3	0.8	0.4	0.1	0.0	0.0	0.0	742.7	798.2	881.9	1021.9	0.0	0.0	6.4	9.6	24.2	2.3
03	51.3	28.9	40.1	5.6	4.8	5.0	18.7	12.8	6.5	1.7	0.2	0.0	480.7	536.8	623.5	773.7	0.0	0.0	17.0	2.2	18.9	0.3
04	62.7	39.2	50.9	3.8	3.2	3.4	66.5	47.2	26.6	7.4	0.9	0.2	188.0	228.7	298.1	429.0	0.0	0.1	26.4	0.1	6.1	0.0
05	72.0	50.4	61.2	3.6	3.3	3.3	228.7	184.0	126.4	55.9	18.1	9.9	36.5	53.9	89.3	173.7	0.0	0.5	30.9	0.0	0.3	0.0
06	81.4	60.9	71.1	2.2	2.0	1.9	484.9	425.8	339.0	204.0	93.6	61.1	0.6	1.4	4.7	19.7	0.0	4.1	30.0	0.0	0.0	0.0
07	85.8	65.3	75.6	3.2	2.6	2.7	636.9	574.9	482.0	329.0	185.7	136.6	0.0	0.0	0.1	2.1	0.9	9.7	31.0	0.0	0.0	0.0
08	84.2	63.0	73.6	2.9	2.8	2.5	576.5	514.5	421.8	272.0	140.7	99.1	0.0	0.1	0.4	5.6	0.3	6.6	31.0	0.0	0.0	0.0
09	77.2	53.5	65.3	3.8	3.2	3.2	324.1	272.1	201.2	105.3	43.4	27.7	13.6	21.7	40.9	94.8	0.1	2.7	30.0	0.0	0.1	0.0
10	65.2	41.9	53.6	3.6	2.5	2.7	101.1	74.9	44.5	14.8	3.8	1.9	146.1	182.0	244.6	369.8	0.0	0.2	28.3	0.0	4.6	0.0
11	50.6	29.9	40.2	5.7	4.6	5.0	13.0	8.1	3.3	0.3	0.0	0.0	455.5	510.5	595.8	742.8	0.0	0.0	16.7	2.3	16.7	0.1
12	38.1	20.1	29.1	5.0	5.1	4.9	0.5	0.2	0.1	0.0	0.0	0.0	803.2	864.9	957.7	1112.7	0.0	0.0	6.0	9.2	27.1	1.3
Summary	61.7	40.5	51.1	4.3	3.8	3.8	2452	2115	1652	990	486	336	3823	4216	4848	6012	1.3	23.9	257.8	37.1	126.8	8.0

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	1.10	5.8	3.3	0.5	0.1	0.58	0.99	1.55	
02	1.23	5.8	3.3	0.7	0.3	0.57	1.16	1.58	
03	2.23	7.3	4.7	1.2	0.3	1.24	2.39	2.86	
04	4.24	9.8	7.0	3.1	1.0	2.73	4.54	5.61	
05	5.05	12.3	7.8	3.8	1.5	3.18	4.32	5.92	
06	5.60	10.5	7.6	3.5	1.5	4.27	4.90	7.02	
07	3.86	8.5	6.1	3.0	1.5	1.74	3.02	4.35	
08	4.25	8.6	6.2	2.7	1.3	1.92	3.34	5.43	
09	3.81	7.4	5.6	2.8	1.1	2.18	3.62	4.92	
10	3.29	7.9	5.2	2.1	1.0	1.67	2.94	3.98	
11	1.90	6.1	4.2	1.3	0.4	0.92	1.55	2.50	
12	1.42	5.1	3.3	1.1	0.2	0.82	1.21	1.94	
Summary	37.98	95.1	64.3	25.8	10.2	21.82	33.98	47.66	

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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	9.7	30.1	143.2	351.7	657.5	934.3	1101.9	1041.4	760.5	431.7	135.4	21.9
45	2.3	12.2	80.1	231.6	504.3	784.3	946.9	886.4	611.0	297.3	71.9	7.0
50	0.2	3.6	41.3	133.6	358.0	634.4	791.9	731.4	463.8	184.6	33.4	1.8
55	0.0	0.8	18.7	66.5	228.7	484.9	636.9	576.5	324.1	101.1	13.0	0.5
60	0.0	0.1	6.5	26.6	126.4	339.0	482.0	421.8	201.2	44.5	3.3	0.1
Growing Degree Units for Corn (Monthly)												
50/86	8.8	23.9	100.0	214.3	398.0	623.3	752.4	705.4	482.1	262.0	84.7	14.9

Growing Degree Units (Accumulated Monthly)												
40	10	40	183	535	1192	2126	3228	4270	5030	5462	5597	5619
45	2	14	95	326	830	1615	2562	3448	4059	4356	4428	4435
50	0	4	45	179	537	1171	1963	2694	3158	3343	3376	3378
55	0	1	20	86	315	800	1436	2013	2337	2438	2451	2452
60	0	0	7	33	160	499	981	1402	1604	1648	1651	1652
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	9	33	133	347	745	1368	2121	2826	3308	3570	3655	3670

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