

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 922 ft. Lat: 37.6967° N Lon: 93.7725° W

Station: STOCKTON DAM, MO US USC00238082

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	43.0	23.3	33.1	4.3	4.2	3.9	1.9	1.2	0.5	0.1	0.0	0.0	679.0	740.2	832.5	987.1	0.0	0.0	9.3	6.6	25.1	1.0
02	48.4	26.6	37.5	4.8	4.3	4.5	5.0	2.7	0.8	0.0	0.0	0.0	494.9	548.6	630.7	769.9	0.0	0.0	12.2	3.7	20.6	0.3
03	57.9	35.4	46.7	4.4	4.2	4.2	37.2	24.8	11.7	2.3	0.1	0.0	296.0	345.6	425.6	571.2	0.0	0.0	22.1	0.9	12.2	0.1
04	67.9	45.1	56.5	3.3	3.2	3.2	135.2	102.7	62.4	20.5	3.4	1.2	90.2	117.7	167.4	275.6	0.0	0.0	28.2	0.0	2.3	0.0
05	76.3	56.2	66.2	3.2	3.1	3.0	359.8	305.2	229.4	124.3	49.7	29.9	11.1	18.5	35.6	85.6	0.0	0.6	30.9	0.0	0.1	0.0
06	85.1	66.0	75.5	3.0	2.3	2.5	616.5	556.7	467.5	321.5	187.7	140.4	0.1	0.3	1.2	5.2	0.1	6.4	30.0	0.0	0.0	0.0
07	90.0	70.1	80.1	3.3	2.5	2.7	776.4	714.4	621.4	466.6	314.8	256.6	0.0	0.0	0.0	0.2	1.3	15.7	31.0	0.0	0.0	0.0
08	89.8	68.2	79.0	3.9	2.9	3.2	743.8	681.7	588.8	434.6	285.3	229.8	0.0	0.0	0.1	0.8	1.9	15.7	31.0	0.0	0.0	0.0
09	81.9	59.7	70.8	3.3	3.4	3.1	477.6	420.2	337.0	211.1	111.5	80.8	3.7	6.3	13.0	37.2	0.3	4.9	30.0	0.0	0.0	0.0
10	70.6	47.9	59.2	3.1	2.2	2.4	197.8	158.3	107.7	46.5	14.5	7.8	66.1	88.5	131.0	224.8	0.0	0.2	29.8	0.0	1.9	0.0
11	58.0	37.4	47.7	5.2	4.3	4.5	41.9	29.1	15.4	4.2	0.6	0.1	260.9	308.0	384.3	523.2	0.0	0.0	22.2	0.6	10.0	0.0
12	47.3	28.3	37.8	4.2	4.0	4.0	4.6	2.7	0.9	0.1	0.0	0.0	537.7	597.7	688.9	843.1	0.0	0.0	12.7	3.7	20.1	0.3
Summary	68.0	47.0	57.5	3.8	3.4	3.4	3398	3000	2444	1632	968	747	2440	2771	3310	4324	3.6	43.5	289.4	15.5	92.3	1.7

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	1.95	7.0	4.0	1.1	0.4	1.00	1.68	2.54
02	2.15	6.7	4.4	1.7	0.6	0.85	2.22	2.99
03	3.06	9.4	6.4	1.9	0.7	2.12	2.49	4.04
04	4.82	10.5	7.4	3.3	1.4	2.97	4.06	5.87
05	5.90	11.7	8.7	4.0	1.8	3.90	5.26	7.22
06	5.14	10.8	7.8	3.6	1.6	3.10	4.25	7.32
07	4.32	8.6	5.6	2.6	1.4	2.53	4.12	5.18
08	3.63	7.4	5.3	2.4	1.1	2.14	3.11	4.76
09	4.13	7.2	4.9	2.5	1.5	1.90	3.20	5.68
10	3.88	9.2	5.8	2.4	1.1	1.66	3.32	5.46
11	3.38	8.3	4.9	2.4	1.0	1.65	2.64	3.98
12	2.52	6.1	4.2	1.6	0.6	1.36	1.90	3.08
Summary	44.88	102.9	69.4	29.5	13.2	25.18	38.25	58.12

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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	3.90	1.4	1.0	0.4	0.2	0.0					0.00	1.70	7.50
02	1.00	0.8	0.4	0.1	0.0	0.0					0.00	0.00	0.60
03	1.40	0.3	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					0.00	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	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
11	0.20	0.2	0.1	0.0	0.0	0.0					0.00	0.00	0.00
12	0.40	1.0	0.6	0.2	0.2	0.0					0.00	0.00	0.30
Summary	6.9	3.7	2.4	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.7	8.4

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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	53.4	91.4	260.8	499.9	813.9	1066.3	1241.4	1208.7	923.9	598.7	273.8	95.4
45	21.3	44.0	159.0	362.0	659.3	916.3	1086.4	1053.7	774.1	450.6	169.4	42.8
50	6.2	17.5	84.2	237.5	506.1	766.4	931.4	898.8	624.9	314.7	91.5	15.7
55	1.9	5.0	37.2	135.2	359.8	616.5	776.4	743.8	477.6	197.8	41.9	4.6
60	0.5	0.8	11.7	62.4	229.4	467.5	621.4	588.8	337.0	107.7	15.4	0.9
Growing Degree Units for Corn (Monthly)												
50/86	37.1	64.2	162.1	299.1	520.1	735.5	853.4	818.4	609.6	367.7	156.5	56.3
Growing Degree Units (Accumulated Monthly)												
40	53	145	406	906	1719	2786	4027	5236	6160	6758	7032	7128
45	21	65	224	586	1246	2162	3248	4302	5076	5527	5696	5739
50	6	24	108	345	852	1618	2549	3448	4073	4388	4479	4495
55	2	7	44	179	539	1156	1932	2676	3153	3351	3393	3398
60	0	1	13	75	305	772	1394	1982	2320	2427	2443	2444
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	37	101	263	562	1083	1818	2672	3490	4100	4467	4624	4680

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