

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 805 ft. Lat: 37.2364° N Lon: 95.7003° W

Station: INDEPENDENCE, KS US USC00143954

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	44.9	22.7	33.8	4.2	3.4	3.5	2.0	1.2	0.5	0.1	0.0	0.0	659.0	720.3	812.6	967.1	0.0	0.0	12.2	5.9	26.4	0.7
02	50.0	26.0	38.0	5.5	4.3	4.7	6.6	3.8	1.4	0.3	0.0	0.0	482.5	535.7	617.4	756.1	0.0	0.0	14.4	3.0	20.7	0.2
03	59.8	35.2	47.5	4.7	4.1	4.2	45.5	31.7	16.9	5.1	0.7	0.3	278.1	326.2	404.5	547.6	0.0	0.0	23.9	0.7	11.2	0.0
04	69.1	44.9	57.0	3.6	3.3	3.2	144.1	110.4	69.6	24.9	5.3	2.4	84.1	110.4	159.6	264.9	0.0	0.2	28.6	0.0	2.5	0.0
05	77.0	55.5	66.3	3.1	3.1	2.8	356.5	300.5	222.7	116.1	45.0	26.6	7.8	13.8	29.0	77.4	0.0	1.0	30.9	0.0	0.0	0.0
06	85.6	65.2	75.4	2.9	2.2	2.4	612.0	552.1	462.5	315.6	179.4	131.2	0.1	0.2	0.6	3.7	0.1	8.3	30.0	0.0	0.0	0.0
07	90.7	69.6	80.2	3.2	2.3	2.5	779.6	717.6	624.6	469.5	316.5	257.3	0.0	0.0	0.0	0.0	2.4	18.7	31.0	0.0	0.0	0.0
08	90.3	67.6	79.0	3.8	2.5	2.9	742.3	680.3	587.4	432.7	282.4	225.9	0.0	0.0	0.0	0.5	3.2	17.9	31.0	0.0	0.0	0.0
09	82.6	59.2	70.9	3.4	3.2	3.0	479.3	421.3	336.9	208.3	107.0	76.6	2.3	4.4	9.9	31.4	0.5	7.1	30.0	0.0	0.0	0.0
10	71.6	46.8	59.2	3.4	2.6	2.7	192.9	152.7	101.9	42.1	12.1	6.5	62.7	84.5	126.7	221.9	0.0	0.5	30.0	0.0	1.8	0.0
11	58.7	35.2	47.0	4.8	4.0	4.1	36.3	25.0	12.6	2.9	0.5	0.2	277.7	326.5	404.1	544.4	0.0	0.0	23.7	0.4	12.5	0.0
12	47.5	26.4	36.9	4.1	3.9	3.8	4.1	2.6	1.1	0.1	0.0	0.0	563.5	624.0	715.5	869.4	0.0	0.0	14.0	3.4	22.6	0.3
Summary	69.0	46.2	57.6	3.9	3.2	3.3	3401	2999	2438	1618	949	727	2418	2746	3280	4284	6.2	53.7	299.7	13.4	97.7	1.2

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	1.44	5.8	3.2	0.8	0.4	0.61	1.16	2.39
02	1.85	5.7	3.4	1.1	0.4	0.50	1.93	3.20
03	2.88	8.3	5.5	2.1	0.6	1.52	2.49	3.51
04	4.47	9.7	7.1	3.2	1.2	2.62	4.13	5.23
05	6.76	11.7	8.7	4.2	2.2	3.99	6.29	8.98
06	6.26	9.3	6.9	3.7	2.1	3.41	5.35	8.37
07	4.29	8.0	6.0	3.0	1.4	2.56	4.19	5.84
08	4.49	7.4	5.3	2.5	1.4	2.45	3.47	5.50
09	4.12	7.1	5.4	2.7	1.3	2.86	3.48	5.35
10	4.09	7.7	5.1	2.6	1.1	2.19	3.72	5.37
11	2.40	6.3	3.9	1.6	0.6	0.94	1.63	2.90
12	2.35	6.3	3.7	1.7	0.5	1.09	1.91	3.55
Summary	45.40	93.3	64.2	29.2	13.2	24.74	39.75	60.19

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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	2.20	1.9	1.1	0.3	0.1	0.0	3.4	1.4	0.2	0.0	0.70	1.40	2.90
02	0.90	0.8	0.5	0.2	0.0	0.0	1.3	0.7	0.2	0.0	0.00	0.20	1.40
03	1.90	0.7	0.6	0.3	0.1	0.0	1.0	0.4	0.2	0.0	0.00	0.00	3.50
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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.30	0.3	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
12	2.10	1.2	0.9	0.2	0.2	0.0	2.7	1.7	1.1	0.2	0.00	0.00	2.00
Summary	7.4	4.9	3.3	1.0	0.4	0.0	8.6	4.2	1.7	0.2	0.7	1.6	9.8

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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	53.6	96.3	281.2	514.6	813.8	1061.8	1244.4	1207.1	926.9	597.7	253.0	80.0
45	20.1	46.5	175.4	374.6	659.0	911.8	1089.5	1052.2	777.0	449.0	153.2	34.0
50	6.4	19.7	96.5	248.7	505.3	761.9	934.6	897.3	627.5	310.3	80.9	12.5
55	2.0	6.6	45.5	144.1	356.5	612.0	779.6	742.3	479.3	192.9	36.3	4.1
60	0.5	1.4	16.9	69.6	222.7	462.5	624.6	587.4	336.9	101.9	12.6	1.1
Growing Degree Units for Corn (Monthly)												
50/86	48.5	79.8	189.7	316.2	519.2	729.6	849.1	810.4	607.9	375.3	163.0	58.2

Growing Degree Units (Accumulated Monthly)												
40	54	150	431	946	1760	2821	4066	5273	6200	6797	7050	7130
45	20	67	242	617	1276	2187	3277	4329	5106	5555	5708	5742
50	6	26	123	371	877	1638	2573	3470	4098	4408	4489	4502
55	2	9	54	198	555	1167	1946	2689	3168	3361	3397	3401
60	0	2	19	88	311	774	1398	1986	2322	2424	2437	2438
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	48	128	318	634	1153	1883	2732	3542	4150	4526	4689	4747

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