

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 1651 ft. Lat: 39.8775° N Lon: 98.3036° W

Station: BURR OAK 1N, KS US USC00141179

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	37.9	14.2	26.0	5.0	4.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	897.1	959.2	1052.3	1207.3	0.0	0.0	7.5	10.4	30.4	2.7
02	42.2	17.3	29.8	6.8	4.5	5.4	1.0	0.4	0.0	0.0	0.0	0.0	707.6	763.1	846.8	986.8	0.0	0.0	8.6	9.1	27.2	2.4
03	53.6	26.5	40.1	5.6	4.4	4.5	13.4	8.6	4.1	0.7	0.0	0.0	477.1	534.2	622.7	774.2	0.0	0.0	19.6	1.5	22.0	0.5
04	63.8	36.2	50.0	4.0	3.5	3.4	56.9	39.9	21.1	5.4	0.9	0.2	206.9	249.9	321.0	455.4	0.0	0.2	25.9	0.3	10.5	0.0
05	72.4	48.4	60.4	4.1	2.3	3.0	216.4	174.7	120.3	52.7	16.4	8.3	49.0	69.3	107.8	195.3	0.0	1.4	30.2	0.0	1.2	0.0
06	83.7	59.9	71.8	3.0	2.5	2.6	504.1	444.9	357.1	218.8	108.1	76.1	0.5	1.2	3.4	15.0	0.4	8.8	30.0	0.0	0.0	0.0
07	88.2	64.5	76.4	3.2	2.3	2.5	661.5	599.6	506.6	353.5	210.1	159.5	0.0	0.0	0.0	1.8	1.5	13.2	31.0	0.0	0.0	0.0
08	85.8	61.6	73.7	3.5	2.7	2.9	579.5	517.6	425.5	276.3	147.1	105.5	0.0	0.2	1.0	6.7	0.7	8.4	31.0	0.0	0.0	0.0
09	78.3	52.4	65.4	3.4	3.8	3.3	325.4	275.5	206.8	112.1	50.3	33.9	15.2	25.2	46.4	101.7	0.2	4.0	29.8	0.0	0.3	0.0
10	65.7	38.9	52.3	3.7	2.3	2.7	81.7	59.5	34.4	11.8	3.2	1.6	165.4	205.2	273.0	405.4	0.0	0.5	27.9	0.1	8.1	0.0
11	51.9	25.9	38.9	5.7	3.4	4.2	5.8	3.3	1.2	0.2	0.0	0.0	488.7	546.3	634.1	783.2	0.0	0.0	19.8	1.9	23.3	0.1
12	40.0	17.4	28.7	4.6	3.8	4.0	0.1	0.0	0.0	0.0	0.0	0.0	814.9	876.9	970.0	1125.1	0.0	0.0	7.3	10.2	30.7	2.1
Summary	63.6	38.6	51.1	4.4	3.3	3.6	2446	2124	1677	1032	536	385	3822	4231	4878	6058	2.8	36.5	268.6	33.5	153.7	7.8

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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	0.67	5.1	2.0	0.3	0.0	0.38	0.60	0.93	
02	0.77	5.2	2.3	0.3	0.0	0.40	0.75	1.08	
03	1.47	7.5	3.6	1.0	0.2	0.65	1.15	2.24	
04	2.35	8.6	5.0	1.4	0.5	1.54	2.18	2.96	
05	4.06	11.3	6.8	2.6	1.0	1.89	3.56	4.98	
06	3.77	9.9	5.9	2.6	1.2	2.25	3.41	5.28	
07	4.28	9.3	6.3	3.0	1.4	2.07	3.77	5.27	
08	3.33	9.0	5.4	2.1	1.0	2.05	3.03	3.95	
09	2.39	6.3	3.9	1.7	0.6	1.30	2.02	3.29	
10	2.10	6.9	4.0	1.2	0.6	0.91	1.53	3.16	
11	1.33	5.6	2.6	0.6	0.2	0.57	1.01	1.81	
12	0.96	4.9	2.2	0.6	0.2	0.30	0.65	1.33	
Summary	27.48	89.6	50.0	17.4	6.9	14.31	23.66	36.28	

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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	5.70	4.4	1.8	0.6	0.3	0.0	11.3	5.9	2.8	0.2	2.70	5.40	7.90
02	6.90	4.1	2.1	0.9	0.3	0.0	9.5	5.6	3.1	0.4	2.60	5.30	11.10
03	2.70	2.4	0.9	0.2	0.1	0.0	3.3	1.6	0.8	0.0	0.50	1.90	3.70
04	1.10	1.0	0.3	0.1	0.0	0.0	0.4	0.2	0.1	0.0	0.00	0.10	1.20
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	0.50	0.3	0.1	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.00	0.00	0.00
11	2.40	1.9	0.7	0.2	0.1	0.0	1.9	0.9	0.5	0.0	0.30	1.20	3.10
12	4.40	3.4	1.6	0.3	0.1	0.0	8.6	4.1	1.4	0.1	1.60	3.00	5.90
Summary	23.7	17.5	7.5	2.3	0.9	0.0	35.2	18.4	8.8	0.7	7.7	16.9	32.9

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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	7.5	30.5	139.3	326.7	633.0	953.7	1126.6	1044.5	760.3	395.8	100.6	17.1
45	1.2	11.8	73.9	210.7	481.0	803.8	971.7	889.6	610.8	264.3	45.7	4.8
50	0.0	4.4	34.1	118.3	339.1	653.6	816.5	734.5	463.7	157.8	17.3	0.9
55	0.0	1.0	13.4	56.9	216.4	504.1	661.5	579.5	325.4	81.7	5.8	0.1
60	0.0	0.0	4.1	21.1	120.3	357.1	506.6	425.5	206.8	34.4	1.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	18.4	42.2	124.2	225.2	385.6	624.6	755.0	694.5	485.0	261.7	91.2	24.5

Growing Degree Units (Accumulated Monthly)												
40	8	38	177	504	1137	2091	3217	4262	5022	5418	5518	5536
45	1	13	87	298	779	1582	2554	3444	4054	4319	4364	4369
50	0	4	38	157	496	1150	1966	2700	3164	3322	3339	3340
55	0	1	14	71	288	792	1453	2033	2358	2440	2446	2446
60	0	0	4	25	146	503	1009	1435	1642	1676	1677	1677
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	18	61	185	410	796	1420	2175	2870	3355	3616	3708	3732

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