

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 1315 ft. Lat: 38.6758° N Lon: 96.5097° W
Station: COUNCIL GROVE LAKE, KS US USC00141867

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	40.2	19.7	29.9	4.9	3.6	4.0	0.1	0.0	0.0	0.0	0.0	0.0	776.4	838.3	931.3	1086.3	0.0	0.0	8.2	9.3	29.0	1.5
02	45.3	23.2	34.2	6.1	4.9	5.3	3.3	2.0	0.8	0.2	0.0	0.0	584.1	638.8	721.7	861.1	0.0	0.0	10.7	6.2	23.8	0.8
03	56.3	33.1	44.7	5.1	4.5	4.6	34.7	24.6	13.8	3.7	0.4	0.2	354.0	405.9	488.1	633.1	0.0	0.0	20.3	1.6	16.6	0.2
04	66.5	43.5	55.0	3.8	3.4	3.5	121.1	92.9	58.5	22.4	5.9	2.8	121.1	152.9	208.5	322.4	0.0	0.3	26.8	0.0	4.2	0.0
05	75.4	54.9	65.2	3.7	2.7	3.1	330.0	277.4	205.3	109.3	45.0	28.3	15.3	24.8	45.7	104.6	0.0	1.5	30.8	0.0	0.1	0.0
06	85.1	64.5	74.8	3.2	2.4	2.6	594.1	534.5	445.6	301.9	172.6	127.5	0.2	0.6	1.7	8.0	0.3	7.9	30.0	0.0	0.0	0.0
07	90.2	69.3	79.8	3.5	2.4	2.7	767.1	705.1	612.1	457.2	306.6	249.1	0.0	0.0	0.0	0.1	3.1	16.4	31.0	0.0	0.0	0.0
08	89.1	66.9	78.0	3.9	2.7	3.2	712.8	650.8	557.9	404.3	257.7	204.2	0.0	0.0	0.1	1.4	2.5	14.8	31.0	0.0	0.0	0.0
09	81.3	57.8	69.5	3.7	3.3	3.3	442.5	386.2	305.5	188.1	96.4	68.7	6.1	9.8	19.1	51.7	0.4	5.5	30.0	0.0	0.1	0.0
10	69.3	44.8	57.1	3.6	2.6	2.9	159.1	124.7	81.8	33.5	10.0	5.7	95.6	123.1	173.2	280.0	0.0	0.6	29.0	0.0	3.6	0.0
11	55.4	33.0	44.2	5.7	3.9	4.5	24.9	16.6	7.9	1.9	0.3	0.1	348.9	400.6	481.9	625.9	0.0	0.0	19.8	1.1	15.7	0.0
12	43.5	23.7	33.6	4.5	3.9	4.0	1.6	1.0	0.4	0.1	0.0	0.0	664.8	726.2	818.6	973.3	0.0	0.0	9.8	6.9	27.2	0.5
Summary	66.5	44.5	55.5	4.3	3.4	3.6	3191	2816	2290	1523	895	687	2966	3321	3890	4948	6.3	47.0	277.4	25.1	120.3	3.0

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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	0.76	5.0	1.9	0.1	0.0	0.34	0.60	1.12	
02	1.26	5.1	2.8	0.7	0.2	0.43	1.04	1.79	
03	2.24	7.2	4.5	1.8	0.4	0.87	2.00	3.07	
04	3.42	9.4	6.3	2.6	0.8	2.59	3.44	4.38	
05	5.15	11.2	7.6	3.9	1.6	3.03	4.56	6.18	
06	4.87	9.2	6.4	3.0	1.5	2.77	4.69	6.26	
07	4.41	9.2	5.9	2.9	1.5	1.81	3.94	5.87	
08	4.42	8.9	6.3	2.7	1.2	2.24	3.61	6.02	
09	3.19	7.3	5.1	2.2	0.9	2.01	2.48	4.64	
10	2.42	7.0	4.8	1.6	0.6	1.25	2.39	3.11	
11	1.73	5.4	3.0	1.0	0.4	0.47	1.15	2.38	
12	1.12	4.8	2.6	0.7	0.2	0.44	0.89	1.61	
Summary	34.99	89.7	57.2	23.2	9.3	18.25	30.79	46.43	

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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	4.00	2.6	1.6	0.4	0.1	0.0	6.2	2.1	1.0	0.0	2.00	4.10	5.80
02	2.90	1.6	1.2	0.3	0.1	0.0	3.9	1.2	0.6	0.0	0.00	1.70	4.50
03	1.20	0.6	0.5	0.0	0.0	0.0	1.1	0.3	0.0	0.0	0.00	0.10	1.80
04	0.20	0.1	0.1	0.0	0.0	0.0	0.1	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	0.40	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	0.50	0.5	0.3	0.2	0.1	0.0	0.8	0.3	0.1	0.0	0.00	0.00	0.00
12	2.80	1.8	1.3	0.4	0.1	0.0	4.9	1.9	0.4	0.1	0.00	1.00	5.00
Summary	12.0	7.2	5.0	1.3	0.4	0.0	17.0	5.8	2.1	0.1	2.0	6.9	17.1

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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	27.6	65.3	227.4	459.9	779.7	1043.8	1232.0	1177.8	886.4	535.1	202.2	48.3
45	8.2	29.9	136.5	327.2	625.1	893.9	1077.1	1022.8	736.6	392.6	116.7	17.7
50	1.7	11.1	73.4	212.2	473.3	743.9	922.1	867.8	587.7	264.4	58.1	5.2
55	0.1	3.3	34.7	121.1	330.0	594.1	767.1	712.8	442.5	159.1	24.9	1.6
60	0.0	0.8	13.8	58.5	205.3	445.6	612.1	557.9	305.5	81.8	7.9	0.4
Growing Degree Units for Corn (Monthly)												
50/86	28.0	55.3	153.0	274.8	484.2	707.8	836.9	791.0	574.6	331.7	129.8	38.6

Growing Degree Units (Accumulated Monthly)												
40	28	93	320	780	1560	2604	3836	5014	5900	6435	6637	6686
45	8	38	175	502	1127	2021	3098	4121	4857	5250	5367	5384
50	2	13	86	298	772	1516	2438	3306	3893	4158	4216	4221
55	0	3	38	159	489	1083	1850	2563	3006	3165	3190	3191
60	0	1	15	73	278	724	1336	1894	2200	2281	2289	2290
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	28	83	236	511	995	1703	2540	3331	3906	4237	4367	4406

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