

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 1469 ft. Lat: 39.5514° N Lon: 97.6508° W
Station: **CONCORDIA MUNI AP, KS US USW00013984**

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	38.7	18.9	28.8	5.0	3.7	4.1	0.0	0.0	0.0	0.0	0.0	0.0	812.0	874.1	967.1	1122.1	0.0	0.0	7.4	10.2	28.6	1.9
02	43.5	22.1	32.8	6.9	4.7	5.6	3.0	1.7	0.6	0.1	0.0	0.0	624.4	679.1	762.0	901.5	0.0	0.0	10.3	6.7	23.2	0.9
03	55.4	31.7	43.5	5.4	4.4	4.6	28.4	19.6	10.3	2.4	0.0	0.0	383.5	436.7	520.3	667.4	0.0	0.0	20.3	1.4	17.1	0.4
04	64.9	41.2	53.1	3.4	3.1	3.1	88.8	64.9	38.3	12.4	2.3	0.9	147.3	183.3	246.8	370.9	0.0	0.3	26.5	0.2	4.9	0.0
05	74.8	52.2	63.5	4.0	2.5	3.0	286.8	237.8	172.8	87.4	33.6	20.7	23.3	36.3	64.3	133.8	0.0	2.0	30.9	0.0	0.2	0.0
06	86.0	62.8	74.4	3.4	2.3	2.7	582.2	522.5	433.8	291.5	165.7	124.0	0.4	0.7	2.0	9.7	0.9	11.0	30.0	0.0	0.0	0.0
07	90.3	67.4	78.9	3.5	2.4	2.8	739.2	677.2	584.2	429.6	280.4	224.7	0.0	0.0	0.0	0.5	3.6	17.5	31.0	0.0	0.0	0.0
08	87.7	65.1	76.4	3.7	2.6	3.0	663.3	601.3	508.5	355.8	213.6	164.7	0.0	0.0	0.2	2.5	2.2	12.7	31.0	0.0	0.0	0.0
09	80.4	56.5	68.5	3.7	3.4	3.4	411.0	355.2	277.0	167.0	85.0	60.9	7.7	11.8	23.6	63.6	0.4	6.0	30.0	0.0	0.0	0.0
10	67.5	43.7	55.6	3.9	2.6	3.0	133.1	102.7	65.6	26.2	8.2	4.7	114.6	146.1	202.0	317.6	0.0	0.7	28.7	0.1	3.8	0.0
11	53.0	31.3	42.1	5.5	4.0	4.5	16.8	11.0	4.9	0.8	0.1	0.0	402.3	456.4	540.4	686.2	0.0	0.0	18.8	1.7	16.0	0.0
12	41.1	21.9	31.5	4.9	4.2	4.3	0.3	0.1	0.0	0.0	0.0	0.0	728.5	790.4	883.3	1038.3	0.0	0.0	8.5	8.1	27.5	0.9
Summary	65.3	42.9	54.1	4.4	3.3	3.7	2953	2594	2096	1373	789	601	3244	3615	4212	5314	7.1	50.2	273.4	28.4	121.3	4.1

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	0.67	4.8	2.0	0.3	0.0	0.36	0.65	0.99	
02	0.86	5.2	2.2	0.4	0.1	0.32	0.76	1.22	
03	1.53	7.2	3.2	0.9	0.3	0.59	1.46	2.29	
04	2.53	8.7	5.1	1.7	0.5	1.69	2.11	3.27	
05	4.34	11.9	7.1	3.0	1.1	2.92	3.58	6.11	
06	3.83	10.1	6.2	2.7	1.0	2.90	3.88	4.88	
07	4.15	9.3	6.1	3.0	1.2	1.85	3.38	4.95	
08	3.49	9.0	6.1	2.3	1.0	2.61	3.14	4.63	
09	2.80	7.0	4.5	1.6	0.9	1.16	2.43	4.12	
10	1.98	6.6	3.6	1.4	0.4	0.76	1.43	2.79	
11	1.16	5.1	2.6	0.5	0.3	0.53	0.82	1.61	
12	1.04	5.0	2.3	0.6	0.2	0.31	0.76	1.66	
Summary	28.38	89.9	51.0	18.4	7.0	16.00	24.40	38.52	

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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	5.40	3.0	1.6	0.7	0.3	0.0	9.3	5.0	2.8	0.5	2.10	4.40	7.70
02	5.20	3.2	1.5	0.6	0.3	0.0	6.6	3.9	1.4	0.0	1.80	4.80	7.70
03	1.60	1.4	0.4	0.2	0.1	0.0	1.9	0.8	0.5	0.1	0.00	0.90	2.60
04	0.40	0.4	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.40
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	0.30	0.3	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
11	1.90	1.3	0.6	0.2	0.0	0.0	1.7	0.6	0.2	0.0	0.00	0.20	2.90
12	4.50	2.7	1.3	0.5	0.1	0.0	5.4	2.6	1.5	0.4	1.40	2.70	6.30
Summary	19.3	12.3	5.7	2.3	0.8	0.0	25.2	12.9	6.4	1.0	5.3	13.0	27.6

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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	22.2	55.5	204.5	403.8	728.6	1031.8	1204.2	1128.3	853.4	493.5	162.7	31.2
45	5.8	25.5	121.2	275.2	574.2	881.8	1049.2	973.3	703.6	353.6	89.7	9.4
50	0.8	9.5	62.9	167.6	423.8	731.8	894.1	818.2	555.2	230.8	42.1	2.0
55	0.0	3.0	28.4	88.8	286.8	582.2	739.2	663.3	411.0	133.1	16.8	0.3
60	0.0	0.6	10.3	38.3	172.8	433.8	584.2	508.5	277.0	65.6	4.9	0.0
Growing Degree Units for Corn (Monthly)												
50/86	21.6	46.2	141.7	244.9	446.9	684.5	806.1	756.5	547.4	300.8	105.8	24.5

Growing Degree Units (Accumulated Monthly)												
40	22	78	282	686	1415	2446	3651	4779	5632	6126	6288	6320
45	6	31	152	428	1002	1884	2933	3906	4610	4963	5053	5062
50	1	10	73	241	665	1396	2290	3109	3664	3895	3937	3939
55	0	3	31	120	407	989	1728	2392	2803	2936	2953	2953
60	0	1	11	49	222	656	1240	1748	2026	2091	2096	2096
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	22	68	210	454	901	1586	2392	3148	3696	3997	4102	4127

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

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