

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 1232 ft. Lat: 38.3703° N Lon: 96.5483° W

Station: COTTONWOOD FALLS, KS US USC00141858

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	41.2	17.9	29.5	4.6	3.4	3.7	0.1	0.0	0.0	0.0	0.0	0.0	788.9	850.8	943.8	1098.8	0.0	0.0	9.5	8.2	28.6	1.2
02	46.1	21.5	33.8	6.1	4.5	5.0	2.5	1.3	0.5	0.1	0.0	0.0	596.1	650.8	734.0	873.7	0.0	0.0	11.7	4.9	23.0	0.8
03	57.0	30.7	43.9	5.0	4.6	4.5	28.1	19.6	10.7	2.7	0.2	0.1	373.7	427.3	511.4	658.4	0.0	0.0	21.4	1.2	16.5	0.1
04	66.8	41.3	54.0	4.0	3.5	3.6	105.2	79.5	49.3	16.6	3.7	1.5	133.7	167.9	227.8	345.1	0.0	0.2	27.7	0.0	4.9	0.0
05	75.4	53.0	64.2	3.5	2.7	2.9	303.9	253.4	184.1	92.3	33.8	20.0	18.7	30.2	53.9	117.1	0.0	1.6	30.9	0.0	0.2	0.0
06	84.9	62.6	73.8	3.2	2.4	2.7	562.7	503.2	414.3	270.8	144.6	103.3	0.3	0.8	2.0	8.4	0.4	8.5	30.0	0.0	0.0	0.0
07	90.0	67.3	78.7	3.9	2.5	2.9	733.1	671.1	578.1	423.5	274.5	218.7	0.0	0.0	0.0	0.5	3.3	16.9	31.0	0.0	0.0	0.0
08	89.0	65.1	77.0	4.1	2.9	3.3	683.4	621.4	528.6	375.5	232.8	181.8	0.0	0.0	0.1	2.1	2.6	15.7	31.0	0.0	0.0	0.0
09	81.3	56.0	68.6	3.7	3.3	3.3	416.7	361.2	282.3	168.6	84.5	59.2	7.3	11.8	22.8	59.1	0.5	6.1	30.0	0.0	0.0	0.0
10	69.4	42.9	56.1	3.6	2.4	2.7	142.8	110.9	72.2	28.4	8.1	4.5	107.2	137.2	191.5	302.7	0.0	0.4	29.2	0.1	3.7	0.0
11	55.8	30.9	43.4	5.2	4.3	4.5	20.3	12.7	5.8	1.0	0.2	0.1	369.8	422.2	505.3	650.5	0.0	0.0	21.1	1.0	15.2	0.0
12	43.9	21.6	32.8	4.6	3.8	4.0	1.1	0.6	0.2	0.0	0.0	0.0	690.7	752.2	844.8	999.6	0.0	0.0	11.2	6.0	26.9	0.5
Summary	66.7	42.6	54.6	4.3	3.4	3.6	3000	2635	2126	1380	782	589	3086	3451	4037	5116	6.8	49.4	284.7	21.4	119.0	2.6

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	0.87	4.4	2.4	0.5	0.2	0.35	0.59	1.36	
02	1.42	4.7	2.9	0.8	0.3	0.50	1.14	2.09	
03	2.67	7.2	4.7	1.8	0.8	1.17	2.44	3.75	
04	3.54	8.1	5.8	2.4	1.0	2.13	3.26	4.30	
05	5.61	10.5	7.9	4.0	1.9	3.89	4.75	6.95	
06	4.72	9.0	6.4	3.4	1.7	3.15	4.17	6.00	
07	5.00	8.6	6.0	2.7	1.7	2.33	4.09	6.64	
08	4.37	8.1	5.8	2.7	1.4	2.13	3.26	6.69	
09	3.53	7.0	4.9	2.1	1.2	2.02	2.91	4.89	
10	2.83	6.6	4.6	2.1	0.8	1.36	2.28	3.89	
11	2.04	5.0	3.3	1.4	0.5	0.38	1.40	3.14	
12	1.39	4.7	2.8	1.0	0.4	0.56	1.11	2.26	
Summary	37.99	83.9	57.5	24.9	11.9	19.97	31.40	51.96	

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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	1.8	1.2	0.2	0.0	0.0					1.00	3.20	5.50
02	1.30	1.2	0.8	0.2	0.0	0.0					0.00	0.10	2.00
03	1.30	0.5	0.3	0.2	0.1	0.0					0.00	0.00	1.80
04	0.20	0.1	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					0.00	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	0.30	0.1	0.0	0.0	0.0	0.0					0.00	0.00	0.00
11	0.40	0.2	0.1	0.1	0.0	0.0					0.00	0.00	0.00
12	3.10	1.3	0.9	0.3	0.1	0.0					0.00	1.00	5.60
Summary	10.6	5.2	3.4	1.0	0.2	0.0	0.0	0.0	0.0	0.0	1.0	4.3	14.9

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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	23.1	58.7	206.8	433.7	750.3	1012.3	1198.0	1148.4	859.4	508.9	186.5	39.4
45	6.4	26.5	120.6	303.0	595.9	862.3	1043.0	993.4	709.8	367.8	104.2	12.9
50	1.1	9.2	61.9	190.3	444.9	712.4	888.1	838.4	561.3	243.6	50.2	3.7
55	0.1	2.5	28.1	105.2	303.9	562.7	733.1	683.4	416.7	142.8	20.3	1.1
60	0.0	0.5	10.7	49.3	184.1	414.3	578.1	528.6	282.3	72.2	5.8	0.2
Growing Degree Units for Corn (Monthly)												
50/86	30.8	56.9	157.8	274.5	469.0	680.2	806.4	764.5	556.3	328.4	132.7	38.7

Growing Degree Units (Accumulated Monthly)												
40	23	82	289	722	1473	2485	3683	4831	5691	6200	6386	6425
45	6	33	154	456	1052	1915	2958	3951	4661	5029	5133	5146
50	1	10	72	262	707	1420	2308	3146	3708	3951	4001	4005
55	0	3	31	136	440	1002	1736	2419	2836	2978	2999	3000
60	0	0	11	60	245	659	1237	1766	2048	2120	2126	2126
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	31	88	246	520	989	1669	2476	3240	3796	4125	4257	4296

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

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