

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 2010 ft. Lat: 38.8586° N Lon: 99.3358° W

Station: HAYS 1 S, KS US USC00143527

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	42.5	16.7	29.6	4.9	3.2	3.6	0.1	0.0	0.0	0.0	0.0	0.0	787.4	849.3	942.3	1097.3	0.0	0.0	10.5	8.5	30.6	1.8
02	46.2	19.6	32.9	7.2	4.1	5.3	2.2	1.2	0.4	0.0	0.0	0.0	620.7	675.7	759.0	898.5	0.0	0.0	12.7	6.0	25.9	1.4
03	57.2	29.4	43.3	5.5	4.2	4.5	25.7	17.1	8.2	1.6	0.1	0.0	388.5	441.9	526.0	674.4	0.0	0.1	21.2	1.6	19.3	0.4
04	66.7	39.7	53.2	3.8	3.1	3.2	99.2	74.1	44.4	15.4	3.4	1.6	153.2	188.1	248.4	369.4	0.0	0.9	26.7	0.2	6.3	0.0
05	76.3	51.0	63.7	4.0	2.6	3.0	296.9	248.6	183.3	95.3	38.7	24.7	28.8	42.4	70.1	137.2	0.3	3.6	30.6	0.0	0.5	0.0
06	87.5	61.7	74.6	3.8	2.1	2.9	588.6	529.1	441.2	300.6	176.8	134.9	0.8	1.3	3.4	12.8	2.5	13.4	30.0	0.0	0.0	0.0
07	92.6	66.4	79.5	3.9	2.1	2.8	759.3	697.3	604.4	450.9	301.8	245.7	0.0	0.0	0.1	1.6	6.6	20.4	31.0	0.0	0.0	0.0
08	90.0	64.3	77.2	3.7	2.3	2.8	686.6	624.7	532.1	379.8	236.0	184.7	0.1	0.2	0.6	3.3	4.0	17.2	31.0	0.0	0.0	0.0
09	82.4	55.6	69.0	3.9	3.1	3.3	430.0	375.3	297.3	182.3	94.0	67.9	10.1	15.5	27.5	62.5	1.3	8.4	29.9	0.0	0.2	0.0
10	69.4	41.2	55.3	4.3	2.7	3.2	132.9	102.6	66.2	26.8	7.7	4.3	123.6	155.3	211.8	327.5	0.1	1.4	28.6	0.4	5.3	0.0
11	55.8	27.9	41.8	5.6	3.4	4.0	14.1	8.5	3.8	0.6	0.1	0.0	408.6	463.0	548.3	695.1	0.0	0.1	20.4	1.5	20.6	0.1
12	43.8	19.0	31.4	4.6	3.3	3.6	0.2	0.1	0.0	0.0	0.0	0.0	731.5	793.3	886.3	1041.2	0.0	0.0	11.2	6.4	29.6	1.1
Summary	67.5	41.0	54.3	4.6	3.0	3.5	3036	2679	2181	1453	859	664	3253	3626	4224	5321	14.8	65.5	283.8	24.6	138.3	4.8

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	0.56	3.3	1.4	0.3	0.1	0.17	0.45	0.88	
02	0.81	4.1	1.8	0.5	0.1	0.20	0.71	1.25	
03	1.32	5.3	2.9	0.9	0.2	0.45	1.20	1.75	
04	2.13	7.3	4.4	1.3	0.3	1.02	1.55	2.68	
05	3.60	9.3	6.2	2.6	0.7	2.08	2.90	4.79	
06	3.03	8.4	5.1	1.8	0.8	1.45	2.88	4.00	
07	3.95	8.7	5.6	2.7	1.1	2.04	3.66	5.89	
08	3.47	8.3	5.4	2.5	0.9	1.98	3.23	4.87	
09	2.13	6.1	3.8	1.4	0.4	1.21	1.83	2.16	
10	1.68	6.0	3.5	1.1	0.3	0.73	1.43	2.11	
11	0.90	4.1	2.1	0.7	0.1	0.25	0.77	1.18	
12	0.86	3.5	1.9	0.5	0.2	0.17	0.51	1.52	
Summary	24.44	74.4	44.1	16.3	5.2	11.75	21.12	33.08	

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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	3.40	2.7	1.0	0.4	0.2	0.0	6.9	3.3	1.6	0.1	1.60	3.00	5.40
02	4.80	2.7	1.3	0.6	0.3	0.0	6.5	4.2	2.6	0.4	1.00	3.20	6.90
03	2.10	1.4	0.8	0.2	0.0	0.0	2.3	1.1	0.6	0.0	0.10	1.00	3.30
04	0.50	0.6	0.2	0.0	0.0	0.0	0.3	0.1	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	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.00
11	1.40	1.0	0.6	0.2	0.0	0.0	1.3	0.6	0.3	0.0	0.00	0.50	1.30
12	3.30	2.3	1.3	0.3	0.0	0.0	5.2	2.7	1.3	0.1	1.10	1.90	2.80
Summary	15.8	11.0	5.3	1.7	0.5	0.0	22.7	12.1	6.4	0.6	3.8	9.6	20.1

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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	22.4	52.1	202.9	413.6	733.5	1037.8	1224.3	1151.5	869.9	487.4	156.5	28.6
45	5.4	22.2	118.8	286.7	580.2	887.8	1069.3	996.5	720.7	349.6	84.6	8.0
50	0.9	8.0	60.3	179.9	431.9	737.9	914.3	841.5	572.9	229.0	39.0	1.7
55	0.1	2.2	25.7	99.2	296.9	588.6	759.3	686.6	430.0	132.9	14.1	0.2
60	0.0	0.4	8.2	44.4	183.3	441.2	604.4	532.1	297.3	66.2	3.8	0.0
Growing Degree Units for Corn (Monthly)												
50/86	43.0	66.2	164.3	267.4	454.4	672.7	795.1	752.1	552.3	318.8	135.9	42.6

Growing Degree Units (Accumulated Monthly)												
40	22	74	277	691	1424	2462	3687	4838	5708	6195	6352	6380
45	5	28	146	433	1013	1901	2970	3967	4688	5037	5122	5130
50	1	9	69	249	681	1419	2333	3175	3748	3977	4016	4017
55	0	2	28	127	424	1013	1772	2459	2889	3022	3036	3036
60	0	0	9	53	236	678	1282	1814	2111	2178	2181	2181
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	43	109	274	541	995	1668	2463	3215	3768	4086	4222	4265

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

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