U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Summary of Monthly Normals 1991-2020

Generated on 11/11/2026

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 1055 ft. Lat: 38.8875° N Lon: 94.7603° W

Station: **OLATHE 3E, KS US USC00145972**

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	20.0	29.3	4.4	3.9	4.0	0.2	0.1	0.0	0.0	0.0	0.0	795.1	857.0	949.9	1104.9	0.0	0.0	6.9	8.8	26.5	1.0
02	44.3	23.9	34.1	6.0	5.4	5.6	2.4	1.1	0.4	0.1	0.0	0.0	587.5	642.2	725.5	865.2	0.0	0.0	11.7	4.7	19.7	0.2
03	54.9	33.7	44.3	5.5	4.6	4.9	29.7	19.1	8.5	1.2	0.1	0.0	361.4	412.9	495.2	642.9	0.0	0.0	20.6	1.2	13.1	0.1
04	65.1	43.9	54.5	3.3	3.3	3.2	109.2	82.1	49.7	15.8	2.7	0.9	124.2	157.1	214.7	330.7	0.0	0.1	27.3	0.0	2.6	0.0
05	74.5	55.5	65.0	3.1	2.9	2.9	320.2	266.2	193.2	95.6	34.7	20.2	10.3	18.3	38.2	95.6	0.0	0.7	31.0	0.0	0.0	0.0
06	83.6	64.9	74.3	2.5	2.0	2.2	577.4	517.4	428.0	283.1	152.3	107.8	0.0	0.1	0.7	5.7	0.0	4.6	30.0	0.0	0.0	0.0
07	88.2	69.4	78.8	3.0	2.1	2.3	737.7	675.7	582.7	427.9	276.5	219.2	0.0	0.0	0.0	0.3	1.2	13.1	31.0	0.0	0.0	0.0
08	86.8	66.9	76.9	3.6	2.8	3.0	677.2	615.2	522.3	369.0	225.0	174.1	0.0	0.0	0.1	1.8	1.6	12.9	31.0	0.0	0.0	0.0
09	79.1	58.4	68.8	3.3	3.0	3.0	416.7	359.8	279.0	160.5	75.3	50.9	4.3	7.4	16.6	48.0	0.2	2.7	30.0	0.0	0.0	0.0
10	67.7	46.7	57.2	3.6	2.2	2.7	155.3	120.2	76.8	27.8	6.9	3.3	87.1	114.0	163.7	269.6	0.0	0.2	29.7	0.0	1.3	0.0
11	54.3	34.6	44.5	5.2	4.4	4.6	27.2	18.1	9.2	1.3	0.0	0.0	343.7	394.6	475.7	617.8	0.0	0.0	18.7	0.7	11.7	0.0
12	42.5	24.6	33.5	4.2	4.1	4.0	2.2	1.1	0.4	0.0	0.0	0.0	667.0	727.9	820.2	974.8	0.0	0.0	9.4	6.0	23.4	0.2
Summary	65.0	45.2	55.1	4.0	3.4	3.5	3055	2676	2150	1382	773	576	2981	3332	3900	4957	3.0	34.3	277.3	21.4	98.3	1.5

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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	1.28	6.4	3.5	0.7	0.2	0.67	1.11	1.87
02	1.73	5.8	3.7	1.1	0.5	1.09	1.56	2.47
03	2.48	8.1	4.9	1.7	0.6	1.40	2.06	3.04
04	4.12	10.2	6.5	3.2	1.1	3.01	4.20	5.23
05	5.26	11.8	7.6	3.3	1.5	3.03	5.13	7.09
06	5.23	9.7	7.6	3.5	2.0	2.99	5.09	6.45
07	4.75	8.6	6.6	2.8	1.5	3.00	4.06	6.10
08	4.46	7.5	5.3	2.3	1.5	2.31	4.19	5.99
09	4.25	8.0	5.9	3.1	1.4	2.58	3.45	4.82
10	3.05	7.9	5.3	2.0	0.8	1.43	2.27	4.10
11	2.37	6.7	4.2	2.2	0.7	1.05	1.64	3.06
12	1.75	6.4	3.6	1.3	0.5	0.82	1.39	2.76
Summary	40.73	97.1	64.7	27.2	12.3	23.38	36.15	52.98

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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	3.90	3.6	1.5	0.4	0.1	0.0					1.50	3.10	5.30
02	3.30	2.1	1.4	0.4	0.2	0.0					0.50	3.00	4.50
03	1.40	1.0	0.5	0.1	0.1	0.0					0.00	0.40	1.30
04	0.30	0.2	0.1	0.1	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	0.1	0.1	0.0	0.0					0.00	0.00	0.00
11	1.20	0.7	0.4	0.1	0.1	0.0					0.00	0.00	0.80
12	3.40	2.6	1.5	0.4	0.1	0.0					0.20	3.00	5.90
Summary	13.8	10.3	5.5	1.6	0.6	0.0	0.0	0.0	0.0	0.0	2.2	9.5	17.8

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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	25.0	62.8	216.2	445.1	775.0	1027.3	1202.6	1142.1	862.4	537.8	205.6	48.7
45	8.0	27.1	128.1	312.5	620.1	877.3	1047.6	987.1	712.6	393.1	121.3	20.0
50	1.8	9.5	68.6	197.0	466.2	727.3	892.6	832.1	563.4	263.8	63.2	8.1
55	0.2	2.4	29.7	109.2	320.2	577.4	737.7	677.2	416.7	155.3	27.2	2.2
60	0.0	0.4	8.5	49.7	193.2	428.0	582.7	522.3	279.0	76.8	9.2	0.4
Growing Degree Units for Corn (Monthly)												
50/86	19.4	44.3	132.3	256.6	479.7	708.1	834.9	780.2	559.3	313.9	116.2	29.7

Growing Degree Units (Accumulated Monthly)

40	25	88	304	749	1524	2551	3754	4896	5758	6296	6502	6551
45	8	35	163	476	1096	1973	3021	4008	4720	5114	5235	5255
50	2	11	80	277	743	1470	2363	3195	3758	4022	4086	4094
55	0	3	32	142	462	1039	1777	2454	2871	3026	3053	3055
60	0	0	9	59	252	680	1262	1785	2064	2141	2150	2150
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	19	64	196	453	932	1640	2475	3256	3815	4129	4245	4275

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

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