

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 1512 ft. Lat: 38.9667° N Lon: 98.4889° W

Station: WILSON LAKE, KS US USC00148946

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	41.8	18.6	30.2	4.7	3.3	3.7	0.2	0.1	0.0	0.0	0.0	0.0	768.8	830.7	923.7	1078.7	0.0	0.0	10.0	8.4	29.2	1.4
02	45.9	21.3	33.6	6.7	4.4	5.3	2.9	1.7	0.6	0.0	0.0	0.0	601.9	656.7	739.7	879.0	0.0	0.0	11.8	5.7	24.8	0.9
03	57.2	30.5	43.8	5.3	3.8	4.3	25.4	16.3	7.6	1.4	0.1	0.0	371.2	424.1	508.3	657.2	0.0	0.0	21.7	1.4	17.9	0.3
04	66.5	39.7	53.1	3.8	3.5	3.4	93.7	69.2	40.7	13.2	2.9	1.4	150.6	186.1	247.7	370.2	0.0	0.6	27.0	0.1	6.6	0.0
05	76.0	51.5	63.8	3.7	2.5	3.0	297.0	247.6	181.2	93.0	36.6	23.3	25.8	38.3	64.9	131.7	0.0	2.6	30.7	0.0	0.1	0.0
06	86.8	62.5	74.6	3.8	2.5	3.0	589.9	530.5	442.1	300.9	175.2	132.8	0.6	1.2	2.8	11.6	1.2	12.4	30.0	0.0	0.0	0.0
07	92.3	67.3	79.8	3.6	2.4	2.8	768.6	706.6	613.7	459.6	309.9	253.4	0.0	0.0	0.0	1.0	5.7	20.7	31.0	0.0	0.0	0.0
08	89.9	65.1	77.5	3.5	2.8	2.9	697.4	635.4	542.8	390.0	245.4	193.5	0.0	0.1	0.4	2.7	3.2	17.0	31.0	0.0	0.0	0.0
09	82.2	56.1	69.1	3.6	3.6	3.3	432.8	377.5	298.7	183.2	95.5	69.2	8.4	13.1	24.2	58.8	0.5	7.5	29.9	0.0	0.1	0.0
10	69.8	42.7	56.3	4.0	2.5	3.0	146.7	114.2	74.2	30.8	9.6	5.4	107.9	137.5	190.4	302.0	0.0	1.0	29.0	0.1	4.8	0.0
11	55.9	30.7	43.3	5.4	3.7	4.0	18.1	11.5	5.2	1.0	0.1	0.0	369.1	422.5	506.2	652.0	0.0	0.0	20.9	1.3	16.9	0.0
12	43.9	22.1	33.0	4.3	3.8	3.8	0.6	0.3	0.1	0.0	0.0	0.0	682.4	744.1	836.9	991.8	0.0	0.0	11.1	5.9	27.6	0.6
Summary	67.3	42.3	54.8	4.4	3.2	3.5	3073	2711	2207	1473	875	679	3087	3454	4045	5137	10.6	61.8	284.1	22.9	128.0	3.2

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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

Current Location: Elev: 1512 ft. Lat: 38.9667° N Lon: 98.4889° W
Station: **WILSON LAKE, KS US USC00148946**

Summary of Monthly Normals
1991-2020
Generated on 04/27/2024

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

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	0.59	2.8	1.4	0.2	0.1	0.17	0.45	1.04
02	0.78	3.8	2.0	0.7	0.1	0.24	0.64	1.18
03	1.29	5.0	2.8	0.9	0.3	0.62	1.16	1.87
04	2.31	7.9	4.8	1.8	0.5	1.53	1.91	2.87
05	4.17	10.3	6.9	2.6	1.2	2.26	3.81	5.41
06	3.45	9.2	5.7	2.1	1.2	1.71	2.96	4.49
07	3.87	8.8	5.9	2.6	1.2	1.81	3.84	5.42
08	3.90	8.4	5.3	2.8	1.5	2.37	3.44	5.38
09	2.28	6.8	4.1	1.6	0.4	1.11	1.98	3.23
10	1.71	5.7	3.0	1.1	0.3	0.60	1.39	2.12
11	0.98	3.6	2.1	0.4	0.1	0.31	0.79	1.35
12	0.89	3.3	1.8	0.3	0.1	0.16	0.68	1.31
Summary	26.22	75.6	45.8	17.1	7.0	12.89	23.05	35.67

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 1512 ft. Lat: 38.9667° N Lon: 98.4889° W
Station: WILSON LAKE, KS US USC00148946

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	1.80	1.2	0.7	0.3	0.1	0.0	4.1	1.5	0.9	0.6	0.00	0.80	2.50
02	3.70	1.6	1.1	0.6	0.3	0.0	3.7	1.9	1.1	0.0	0.00	1.00	7.00
03	0.70	0.4	0.3	0.1	0.0	0.0	0.8	0.2	0.0	0.0	0.00	0.00	0.40
04	0.40	0.1	0.1	0.1	0.0	0.0	0.2	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	0.10	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	0.40	0.3	0.2	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.00	0.00	0.00
12	2.50	1.2	0.7	0.3	0.1	0.0	3.1	1.9	0.7	0.1	0.00	2.00	3.00
Summary	9.6	4.8	3.1	1.4	0.5	0.0	12.3	5.7	2.7	0.7	0.0	3.8	12.9

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 1512 ft. Lat: 38.9667° N Lon: 98.4889° W

Station: WILSON LAKE, KS US USC00148946

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	26.9	55.7	208.8	408.8	736.4	1039.3	1233.6	1162.4	874.4	513.4	182.5	40.8
45	7.1	24.8	121.8	280.8	582.7	889.3	1078.5	1007.3	724.9	373.4	102.4	13.3
50	1.4	9.5	61.8	173.9	433.6	739.4	923.5	852.3	576.9	248.8	48.2	3.1
55	0.2	2.9	25.4	93.7	297.0	589.9	768.6	697.4	432.8	146.7	18.1	0.6
60	0.0	0.6	7.6	40.7	181.2	442.1	613.7	542.8	298.7	74.2	5.2	0.1
Growing Degree Units for Corn (Monthly)												
50/86	34.7	58.8	159.3	264.2	459.2	684.2	810.5	767.0	562.6	331.1	135.3	38.2

Growing Degree Units (Accumulated Monthly)												
40	27	83	291	700	1437	2476	3709	4872	5746	6260	6442	6483
45	7	32	154	434	1017	1906	2985	3992	4717	5091	5193	5206
50	1	11	73	247	680	1420	2343	3195	3772	4021	4069	4072
55	0	3	28	122	419	1009	1778	2475	2908	3055	3073	3073
60	0	1	8	49	230	672	1286	1829	2127	2202	2207	2207
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	35	94	253	517	976	1660	2471	3238	3800	4132	4267	4305

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

Empty or blank cells indicate data is missing or insufficient occurrences to compute value.