

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 1060 ft. Lat: 39.1972° N Lon: 96.5814° W

Station: MANHATTAN, KS US USC00144972

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	39.6	18.7	29.1	4.6	3.5	3.9	0.0	0.0	0.0	0.0	0.0	0.0	801.2	863.2	956.2	1111.2	0.0	0.0	8.9	8.5	28.4	2.0
02	45.1	22.1	33.6	6.4	4.9	5.4	3.1	2.1	1.0	0.2	0.0	0.0	602.3	657.3	740.1	879.4	0.0	0.0	11.8	5.2	23.6	0.7
03	56.3	31.5	43.9	5.6	4.5	4.8	31.4	22.4	12.5	3.9	0.6	0.2	375.5	428.6	511.7	658.1	0.0	0.0	21.8	1.1	17.6	0.3
04	66.4	42.2	54.3	4.1	3.4	3.6	111.5	84.9	53.6	20.1	4.5	1.9	132.5	165.9	224.5	341.1	0.0	0.7	27.7	0.0	5.7	0.0
05	75.9	54.1	65.0	3.7	2.6	3.0	326.6	274.8	205.1	110.5	47.1	30.5	16.6	26.9	50.1	110.6	0.1	2.4	30.9	0.0	0.3	0.0
06	85.8	64.3	75.1	2.9	2.6	2.5	601.5	541.8	452.8	308.9	178.8	134.1	0.1	0.4	1.4	7.5	0.7	11.6	30.0	0.0	0.0	0.0
07	90.8	69.3	80.0	3.4	2.6	2.8	776.5	714.5	621.5	467.1	316.6	258.9	0.0	0.0	0.0	0.6	4.7	19.5	31.0	0.0	0.0	0.0
08	89.0	66.4	77.7	3.4	2.5	2.8	703.6	641.6	548.7	395.3	250.1	197.6	0.0	0.0	0.1	1.6	3.6	16.3	31.0	0.0	0.0	0.0
09	81.3	57.1	69.2	3.3	3.6	3.3	431.9	375.7	295.6	179.6	92.3	67.3	6.0	9.8	19.7	53.6	0.5	7.4	30.0	0.0	0.2	0.0
10	69.1	44.1	56.6	3.8	2.6	3.0	151.2	118.1	77.3	32.3	9.7	5.4	101.6	130.5	182.7	292.7	0.0	1.0	29.3	0.0	4.6	0.0
11	54.6	31.8	43.2	5.6	4.2	4.6	19.8	12.9	6.6	1.6	0.1	0.0	373.8	426.8	510.5	655.5	0.0	0.0	20.4	1.1	16.9	0.0
12	43.0	22.5	32.7	4.6	4.0	4.0	0.8	0.4	0.1	0.0	0.0	0.0	690.4	752.0	844.8	999.6	0.0	0.0	10.8	5.7	27.3	1.1
Summary	66.4	43.7	55.0	4.3	3.4	3.6	3158	2789	2275	1519	900	696	3100	3461	4042	5112	9.6	58.9	283.6	21.6	124.6	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	0.64	5.2	2.1	0.1	0.0	0.24	0.63	0.97	
02	1.14	5.6	2.6	0.7	0.2	0.50	1.00	1.67	
03	2.17	8.2	4.2	1.3	0.4	0.94	2.28	2.99	
04	3.38	10.4	5.8	2.2	0.8	1.95	3.33	4.16	
05	5.23	12.9	7.3	3.8	1.4	2.80	4.01	5.99	
06	5.47	10.8	6.9	3.5	2.0	3.63	5.72	7.40	
07	4.62	9.9	6.3	2.9	1.5	2.24	3.96	5.34	
08	4.40	10.7	6.0	2.7	1.4	2.84	3.83	5.97	
09	3.41	8.4	4.8	2.0	1.0	2.00	3.23	5.12	
10	2.50	8.1	4.8	1.6	0.7	1.19	2.50	3.32	
11	1.62	6.4	3.5	0.8	0.4	0.61	1.19	2.05	
12	1.19	5.4	2.6	0.9	0.2	0.38	1.01	1.61	
Summary	35.77	102.0	56.9	22.5	10.0	19.32	32.69	46.59	

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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	4.80	2.5	1.7	0.6	0.1	0.0	7.6	3.7	1.7	0.0	1.90	3.10	6.10
02	5.00	2.3	1.5	0.6	0.2	0.0	5.4	2.9	1.7	0.6	0.30	3.20	7.00
03	1.80	1.0	0.6	0.3	0.1	0.0	1.1	0.5	0.1	0.0	0.00	1.00	3.50
04	0.10	0.1	0.0	0.0	0.0	0.0	0.0	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	0.00	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	1.10	0.6	0.4	0.1	0.0	0.0	0.7	0.2	0.0	0.0	0.00	0.00	1.70
12	4.80	2.2	1.4	0.7	0.3	0.0	5.5	2.7	1.1	0.0	0.00	2.80	6.60
Summary	17.6	8.8	5.6	2.3	0.7	0.0	20.3	10.0	4.6	0.6	2.2	10.1	24.9

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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	23.6	59.1	210.3	441.1	775.0	1051.3	1241.4	1168.6	875.9	522.2	180.9	40.6
45	7.2	26.3	125.6	310.6	620.5	901.3	1086.4	1013.6	726.1	380.2	101.5	14.0
50	1.3	9.4	67.3	198.9	468.6	751.3	931.4	858.6	577.3	254.1	49.2	4.2
55	0.0	3.1	31.4	111.5	326.6	601.5	776.5	703.6	431.9	151.2	19.8	0.8
60	0.0	1.0	12.5	53.6	205.1	452.8	621.5	548.7	295.6	77.3	6.6	0.1
Growing Degree Units for Corn (Monthly)												
50/86	23.7	52.2	152.5	273.0	486.8	712.4	840.9	784.8	568.9	329.7	121.2	33.1

Growing Degree Units (Accumulated Monthly)												
40	24	83	293	734	1509	2560	3802	4970	5846	6368	6549	6590
45	7	34	159	470	1090	1992	3078	4092	4818	5198	5299	5313
50	1	11	78	277	746	1497	2428	3287	3864	4118	4167	4172
55	0	3	34	146	473	1074	1851	2554	2986	3137	3157	3158
60	0	1	14	67	272	725	1346	1895	2191	2268	2275	2275
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	24	76	228	501	988	1701	2542	3326	3895	4225	4346	4379

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