

Summary of Monthly Normals
1991-2020

Current Location: Elev: 2890 ft. Lat: 37.9931° N Lon: 100.8122° W
Station: GARDEN CITY EXP STN, KS US USC00142980

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	45.6	17.0	31.3	4.9	3.2	3.5	0.1	0.1	0.0	0.0	0.0	0.0	734.7	796.7	889.7	1044.6	0.0	0.0	13.1	6.7	30.6	1.5
02	49.2	19.5	34.3	6.7	3.8	4.7	2.1	1.1	0.4	0.0	0.0	0.0	580.1	635.1	718.5	858.1	0.0	0.0	14.6	4.7	26.5	1.0
03	59.0	28.5	43.8	5.1	3.9	4.0	22.2	14.5	7.1	1.1	0.0	0.0	371.0	425.3	510.9	659.9	0.0	0.1	23.1	1.6	21.3	0.3
04	67.8	37.1	52.5	3.6	3.2	3.1	83.2	60.4	34.6	10.7	2.0	0.8	159.6	196.9	261.1	387.1	0.0	0.9	26.9	0.1	9.0	0.0
05	77.7	48.9	63.3	3.8	2.6	2.8	288.1	239.6	174.3	88.9	34.7	21.7	30.8	44.3	72.0	141.6	0.4	4.8	30.4	0.0	1.1	0.0
06	88.6	60.0	74.3	4.1	2.4	3.1	579.5	520.2	432.6	291.9	168.3	126.7	0.7	1.4	3.8	13.1	3.3	15.0	30.0	0.0	0.0	0.0
07	93.0	64.9	78.9	3.1	1.8	2.3	742.2	680.3	587.3	433.7	284.3	227.1	0.0	0.0	0.0	1.4	6.9	22.4	31.0	0.0	0.0	0.0
08	90.6	63.0	76.8	3.6	2.2	2.7	675.7	613.9	521.3	368.9	225.0	172.9	0.1	0.2	0.6	3.2	3.8	18.8	31.0	0.0	0.0	0.0
09	83.8	53.6	68.7	3.8	3.2	3.3	420.3	365.4	287.1	171.4	82.9	56.7	9.5	14.5	26.2	60.5	1.2	9.8	29.8	0.0	0.2	0.0
10	70.9	39.7	55.3	4.2	3.0	3.1	129.6	99.1	62.3	23.4	6.1	3.0	120.2	151.7	207.9	324.1	0.0	1.9	29.0	0.3	6.9	0.0
11	57.2	27.1	42.2	5.3	3.1	3.7	13.5	8.3	3.7	0.4	0.0	0.0	398.9	453.8	539.1	685.9	0.0	0.0	21.8	1.3	22.3	0.2
12	46.6	18.3	32.4	4.4	3.3	3.2	0.2	0.1	0.0	0.0	0.0	0.0	698.9	760.8	853.9	1008.9	0.0	0.0	13.8	5.0	30.3	1.1
Summary	69.2	39.8	54.5	4.4	3.0	3.3	2957	2603	2111	1390	803	609	3104	3481	4084	5188	15.6	73.7	294.5	19.7	148.2	4.1

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

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Summary of Monthly Normals
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Generated on 06/04/2024

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	0.47	2.7	1.3	0.3	0.0	0.13	0.30	0.70	
02	0.59	3.3	1.7	0.3	0.1	0.22	0.53	0.73	
03	1.13	4.5	2.6	0.7	0.2	0.33	1.02	1.75	
04	1.65	6.5	3.8	1.0	0.3	0.77	1.56	2.24	
05	2.79	8.4	5.1	1.8	0.7	1.21	2.40	3.40	
06	3.07	8.3	5.3	2.0	0.6	1.53	3.06	3.95	
07	3.16	8.3	5.3	2.1	1.0	1.88	2.88	3.80	
08	2.80	7.9	5.0	2.0	0.8	2.01	2.49	3.13	
09	1.33	4.9	2.5	0.9	0.3	0.45	1.15	2.00	
10	1.34	4.6	2.5	0.9	0.2	0.42	1.00	2.01	
11	0.49	2.8	1.2	0.3	0.0	0.07	0.27	0.72	
12	0.73	3.2	1.7	0.4	0.2	0.19	0.46	1.03	
Summary	19.55	65.4	38.0	12.7	4.4	9.21	17.12	25.46	

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

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

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	2.3	1.2	0.5	0.2	0.0	5.3	2.4	1.1	0.0	1.00	2.80	5.00
02	3.30	2.2	1.3	0.5	0.2	0.0	4.8	2.2	1.0	0.0	0.00	1.50	5.00
03	3.20	1.6	1.1	0.5	0.2	0.0	2.4	1.3	0.5	0.0	0.00	1.50	6.00
04	1.10	0.5	0.3	0.2	0.1	0.0	0.4	0.2	0.0	0.0	0.00	0.00	0.50
05	0.10	0.1	0.1	0.0	0.0	0.0	0.1	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	0.80	0.3	0.1	0.1	0.1	0.0	0.2	0.1	0.1	0.1	0.00	0.00	0.00
11	1.00	0.8	0.5	0.1	0.1	0.0	0.9	0.5	0.3	0.1	0.00	0.00	1.10
12	2.70	1.9	1.1	0.3	0.0	0.0	4.0	2.0	0.7	0.0	0.20	1.50	4.30
Summary	15.6	9.7	5.7	2.2	0.9	0.0	18.1	8.7	3.7	0.2	1.2	7.3	21.9

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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	27.4	57.6	204.7	391.6	722.9	1028.8	1207.2	1140.6	861.0	487.8	160.4	33.0
45	6.6	23.5	116.6	265.9	570.0	878.8	1052.3	985.7	711.9	348.3	85.5	9.4
50	0.9	7.5	55.7	160.1	422.0	728.8	897.2	830.6	564.3	226.6	38.4	2.2
55	0.1	2.1	22.2	83.2	288.1	579.5	742.2	675.7	420.3	129.6	13.5	0.2
60	0.0	0.4	7.1	34.6	174.3	432.6	587.3	521.3	287.1	62.3	3.7	0.0
Growing Degree Units for Corn (Monthly)												
50/86	56.8	82.2	182.0	277.2	452.4	654.3	775.9	736.6	545.2	333.3	150.8	58.4

Growing Degree Units (Accumulated Monthly)												
40	27	85	290	681	1404	2433	3640	4781	5642	6130	6290	6323
45	7	30	147	413	983	1861	2914	3899	4611	4960	5045	5054
50	1	8	64	224	646	1375	2272	3103	3667	3894	3932	3934
55	0	2	24	108	396	975	1717	2393	2813	2943	2957	2957
60	0	0	8	42	216	649	1236	1758	2045	2107	2111	2111
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	57	139	321	598	1051	1705	2481	3217	3763	4096	4247	4305

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