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Weather Information for Garden City, 2021

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Weather Information for Garden City, 2021

E. Russell

Precipitation in Garden City, KS, for 2021 totaled 16.34 inches. This was 2.9 inches below the 30-year average of 19.24 inches. From January through the end of June, the station received 11.03 inches, which was 0.87 inches above normal for that point in the year, resulting in ideal spring planting conditions. No significant hail was witnessed in 2021. The largest precipitation amounts were 6.29 inches recorded in May, 1.37 inches in June, and 2.54 inches in September. Although good moisture was recorded during these months, the second half of the year was significantly below the 30-year average precipitation, resulting in a 4.57-inch deficit. The spacing of the rains through the summer months, however, helped in watering the fall crops.

Measurable snowfall for the year totaled 7.70 inches; January, February, and April had 3.80, 1.40, and 2.50, respectively. There was a total of eleven days of snow cover. The longest consecutive period of snow cover, five days, occurred February 7 through February 11.

Average daily windspeed was 4.94 mph compared to the 30-year average of 4.20 mph. Open pan evaporation was measured daily from April through October and totaled 84.80 inches. This was 14.54 inches above the 30-year mean of 70.26 inches.

Our mean annual temperature was 55.5°F compared to the 30-year average of 53.7°F. Triple-digit temperatures were experienced in June, July, August and September. The longest consecutive run of triple-digit days was observed from June 17 through June 21 with an average temperature being 104.4°F. August 25 exhibited the highest temperature of 108°F. Sub-zero temperatures were observed in both January and February with -6°F and -20°F respectively.

Table 1. 30-year averages are for the period 1981-2010

Month	Precipitation		Temperatures						Wind, mph		Evaporation, inches	
			2021 Average			2021 Extremes					2021	Average
	2021	Average 81-10	Max	Min	Mean	Average 81-10	Max	Min	2021	Average 81-10	2021	Average 81-10
	January	0.25	0.46	48.4	18.1	33.3	30.4	70	-6	4.41	4.5	n/a
February	0.08	0.55	38.9	11.0	24.9	33.9	75	-20	3.90	5.24	n/a	n/a
March	2.44	1.31	60.0	29.8	44.9	42.9	88	10	6.74	6.31	n/a	n/a
April	0.60	1.74	66.6	34.0	50.3	52.3	90	22	6.01	6.42	8.89	8.21
May	6.29	2.98	74.7	49.7	59.9	62.8	91	35	5.90	5.76	10.00	10.04
June	1.37	3.12	90.8	60.6	75.7	72.6	106	50	4.41	5.37	12.82	11.96
July	0.80	2.8	93.1	64.1	78.6	77.9	101	54	4.68	4.59	14.91	13.22
August	0.77	2.51	95.9	64.4	80.1	76.3	108	56	5.93	4.11	16.43	11.28
September	2.54	1.42	90.5	57.2	73.9	67.7	104	39	5.82	4.73	13.27	9.22
October	0.98	1.21	75.1	41.0	58.0	54.9	91	28	4.91	4.89	8.48	6.33
November	0.22	0.55	62.6	31.2	46.9	41.6	86	15	4.55	4.8	n/a	n/a
December	0.00	0.59	58.0	21.2	39.6	31.4	80	8	4.94	4.45	n/a	n/a
Annual	16.34	19.24	71.2	40.2	55.5	53.7	108	-20	5.18	5.10	84.80	70.26
			Average		2021							
Latest spring freeze			April 29		April 22							
Earliest fall freeze			October 12		October 16							
Frost free period			165 days		160 days							