

Summary of Monthly Normals
1991-2020

Current Location: Elev: 4302 ft. Lat: 38.7625° N Lon: 102.7997° W
Station: KIT CARSON, CO US USC00054603
Generated on 05/20/2024

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	45.4	11.7	28.6	5.0	3.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	820.0	882.0	975.0	1130.0	0.0	0.0	12.7	5.6	30.9	3.3
02	47.8	14.4	31.1	5.9	3.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	669.0	724.9	808.9	948.9	0.0	0.0	13.7	4.5	27.9	1.9
03	57.7	23.5	40.6	4.4	3.0	3.2	5.8	2.9	0.7	0.0	0.0	0.0	452.3	511.4	602.2	756.5	0.0	0.0	22.8	1.9	26.8	0.1
04	65.9	31.7	48.8	4.2	2.5	3.1	35.4	21.1	8.8	1.4	0.2	0.1	221.3	267.0	344.7	487.3	0.0	0.1	26.4	0.4	15.6	0.0
05	75.3	43.2	59.2	4.1	2.2	2.7	188.1	147.0	94.1	34.0	7.5	3.5	56.3	77.2	117.4	212.3	0.1	3.1	30.3	0.0	2.7	0.0
06	86.7	53.8	70.2	4.3	2.1	2.9	460.1	401.8	316.7	187.2	84.4	54.4	2.8	4.4	9.3	29.9	2.0	12.5	30.0	0.0	0.0	0.0
07	92.2	59.2	75.7	3.6	1.8	2.5	641.4	579.6	487.3	335.6	192.2	141.4	0.0	0.1	0.8	4.0	5.9	21.0	31.0	0.0	0.0	0.0
08	89.2	57.5	73.3	3.7	2.0	2.6	568.7	506.9	414.4	264.0	131.6	89.5	0.1	0.1	0.7	5.2	2.5	17.1	31.0	0.0	0.0	0.0
09	82.3	47.3	64.8	4.0	2.4	3.0	313.2	261.4	189.6	92.0	28.9	15.5	19.4	27.5	45.8	98.2	0.1	7.5	29.8	0.0	1.2	0.0
10	68.8	33.0	50.9	4.6	2.6	3.1	59.0	39.2	18.2	3.0	0.3	0.1	186.0	228.2	300.2	440.0	0.0	0.7	28.6	0.4	13.9	0.0
11	55.3	21.0	38.2	5.8	2.8	3.9	2.2	1.1	0.3	0.0	0.0	0.0	507.7	566.6	655.7	805.5	0.0	0.0	19.4	2.0	27.6	0.4
12	45.4	12.9	29.2	4.2	2.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	801.1	863.1	956.1	1111.1	0.0	0.0	12.5	5.4	31.0	2.1
Summary	67.7	34.1	50.9	4.5	2.6	3.1	2274	1961	1530	917	445	304	3736	4152	4817	6029	10.6	62.0	288.2	20.2	177.6	7.8

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	0.26	1.7	0.8	0.1	0.0	0.08	0.17	0.34	
02	0.35	2.5	1.5	0.1	0.0	0.23	0.36	0.46	
03	0.65	3.3	1.9	0.3	0.0	0.37	0.49	0.75	
04	1.32	4.5	3.4	0.9	0.1	0.42	1.11	1.91	
05	2.24	6.4	4.9	1.5	0.5	1.07	1.95	2.99	
06	2.25	5.8	4.5	1.4	0.4	1.23	1.81	2.62	
07	2.65	7.3	5.7	1.7	0.7	2.03	2.49	3.11	
08	2.71	6.5	5.2	1.7	0.9	1.30	2.13	3.63	
09	0.90	3.2	2.5	0.5	0.1	0.23	0.77	1.29	
10	1.25	3.0	2.1	0.4	0.3	0.21	0.53	1.78	
11	0.42	2.2	1.4	0.2	0.0	0.10	0.28	0.67	
12	0.42	2.1	1.2	0.1	0.0	0.10	0.20	0.56	
Summary	15.42	48.5	35.1	8.9	3.0	7.37	12.29	20.11	

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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	2.40	1.1	0.8	0.2	0.0	0.0	4.2	2.7	1.9	1.3	0.00	1.40	2.80
02	3.00	1.5	0.9	0.3	0.1	0.0	4.1	2.3	1.5	0.1	0.00	2.00	4.30
03	3.00	1.5	1.0	0.4	0.0	0.0	1.3	0.5	0.1	0.0	1.00	2.00	4.60
04	0.90	0.8	0.6	0.2	0.1	0.0	0.4	0.0	0.0	0.0	0.00	0.00	1.70
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	0.20	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
11	2.40	1.2	0.9	0.2	0.1	0.0	1.1	0.0	0.0	0.0	0.00	0.90	1.60
12	4.00	2.0	1.2	0.3	0.2	0.0	3.6	1.6	0.6	0.1	1.10	2.00	5.20
Summary	15.9	8.2	5.4	1.6	0.5	0.0	14.8	7.2	4.1	1.5	2.1	8.3	20.2

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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	11.9	22.0	133.9	296.4	597.9	907.4	1106.6	1033.8	744.5	360.5	95.6	14.3
45	1.7	5.6	64.0	183.2	448.4	757.4	951.6	878.8	596.5	233.9	41.5	3.4
50	0.1	0.8	23.8	93.5	309.4	607.9	796.4	723.7	451.8	131.2	12.1	0.3
55	0.0	0.0	5.8	35.4	188.1	460.1	641.4	568.7	313.2	59.0	2.2	0.0
60	0.0	0.0	0.7	8.8	94.1	316.7	487.3	414.4	189.6	18.2	0.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	52.3	64.4	163.3	253.6	392.6	562.3	682.9	648.4	478.5	303.0	139.9	52.3

Growing Degree Units (Accumulated Monthly)												
40	12	34	168	464	1062	1970	3076	4110	4854	5215	5310	5325
45	2	7	71	254	703	1460	2412	3291	3887	4121	4163	4166
50	0	1	25	118	428	1036	1832	2556	3007	3139	3151	3151
55	0	0	6	41	229	689	1331	1900	2213	2272	2274	2274
60	0	0	1	10	104	420	908	1322	1512	1530	1530	1530
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	52	117	280	534	926	1488	2171	2820	3298	3601	3741	3794

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