

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 5075 ft. Lat: 38.7411° N Lon: 103.5428° W

Station: **KARVAL, CO US USC00054444**

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	15.2	30.4	4.0	3.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	762.7	824.6	917.6	1072.6	0.0	0.0	12.2	5.4	30.6	1.7
02	47.6	16.9	32.2	5.3	3.7	4.1	0.4	0.2	0.0	0.0	0.0	0.0	637.1	692.8	776.8	916.8	0.0	0.0	13.5	4.5	27.3	1.4
03	56.4	24.8	40.6	3.7	2.8	2.9	5.1	2.5	0.6	0.0	0.0	0.0	451.7	511.1	602.1	756.5	0.0	0.0	22.6	1.7	25.1	0.2
04	63.7	31.6	47.6	3.5	2.5	2.8	25.8	15.7	6.3	1.0	0.1	0.0	246.2	296.0	376.8	521.5	0.0	0.0	26.0	0.5	14.9	0.0
05	72.5	41.9	57.2	3.8	2.4	2.9	147.3	110.8	66.3	20.7	3.7	1.4	79.1	104.6	153.1	262.5	0.0	1.2	29.6	0.0	2.9	0.0
06	83.7	52.1	67.9	3.7	2.2	2.8	390.8	333.6	251.1	131.1	47.5	26.9	4.0	6.9	14.3	44.2	0.4	8.3	30.0	0.0	0.0	0.0
07	88.9	57.6	73.3	2.7	1.8	2.0	565.5	503.7	411.5	261.4	126.7	83.6	0.1	0.3	0.9	5.7	0.6	16.9	31.0	0.0	0.0	0.0
08	86.4	55.8	71.1	3.2	1.7	2.3	499.3	437.7	346.5	201.9	83.5	50.1	0.4	0.8	2.5	12.9	0.2	11.9	31.0	0.0	0.0	0.0
09	79.7	46.9	63.3	3.4	2.2	2.7	275.0	225.0	157.7	68.3	16.1	6.6	26.2	36.2	58.8	119.4	0.0	4.7	29.5	0.0	0.7	0.0
10	66.8	33.8	50.3	4.2	3.1	3.4	55.5	37.1	17.7	3.0	0.1	0.0	201.1	244.6	318.3	458.7	0.0	0.2	27.8	0.7	11.1	0.1
11	54.1	23.1	38.6	4.9	3.0	3.6	4.3	1.9	0.4	0.0	0.0	0.0	496.3	553.8	642.4	792.0	0.0	0.0	19.0	2.4	25.8	0.2
12	44.9	15.6	30.2	4.0	2.7	3.1	0.0	0.0	0.0	0.0	0.0	0.0	766.9	828.9	922.0	1077.1	0.0	0.0	12.3	5.8	30.6	1.5
Summary	65.9	34.6	50.2	3.9	2.6	3.0	1969	1668	1258	687	278	169	3672	4101	4786	6040	1.2	43.2	284.5	21.0	169.0	5.1

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	0.18	2.4	0.8	0.0	0.0	0.06	0.14	0.27	
02	0.24	2.5	0.8	0.0	0.0	0.04	0.23	0.35	
03	0.68	4.2	1.9	0.3	0.1	0.38	0.55	0.90	
04	1.26	4.7	2.9	0.8	0.1	0.59	1.17	1.86	
05	1.93	6.7	4.0	1.2	0.3	0.63	1.50	2.86	
06	1.85	6.7	4.6	1.1	0.3	1.10	1.42	2.46	
07	2.98	8.7	5.4	1.7	0.8	1.73	2.37	3.77	
08	2.34	7.7	4.7	1.6	0.7	1.65	2.45	3.28	
09	1.09	4.1	2.5	0.5	0.1	0.52	0.73	1.10	
10	0.99	3.8	2.3	0.6	0.3	0.22	0.53	1.78	
11	0.31	2.6	0.9	0.1	0.0	0.06	0.12	0.41	
12	0.23	2.7	0.7	0.0	0.0	0.10	0.16	0.25	
Summary	14.08	56.8	31.5	7.9	2.7	7.08	11.37	19.29	

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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	3.10	2.1	1.5	0.2	0.0	0.0	6.7	1.7	0.7	0.0	1.40	2.50	4.60
02	3.10	2.1	1.4	0.3	0.1	0.0	5.6	1.7	0.5	0.0	0.10	2.50	5.80
03	4.00	2.0	1.5	0.5	0.2	0.0	2.8	1.1	0.4	0.0	1.00	3.20	6.70
04	2.40	1.3	0.8	0.2	0.1	0.0	1.3	0.5	0.2	0.1	0.00	1.00	3.00
05	0.20	0.1	0.1	0.0	0.0	0.0	0.2	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	2.10	0.6	0.5	0.3	0.2	0.0	1.0	0.6	0.4	0.1	0.00	0.00	2.00
11	2.70	1.7	1.2	0.2	0.1	0.0	3.0	1.0	0.4	0.1	0.40	1.50	3.00
12	3.40	2.3	1.5	0.3	0.1	0.0	6.8	2.1	0.5	0.0	1.50	2.10	3.50
Summary	21.0	12.2	8.5	2.0	0.8	0.0	27.4	8.7	3.1	0.3	4.4	12.8	28.6

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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	22.7	34.8	133.6	264.6	536.2	836.9	1030.6	964.0	700.1	349.6	107.3	22.5
45	5.3	10.6	62.6	154.9	391.0	686.9	875.4	808.9	552.7	225.4	50.8	5.4
50	0.9	2.5	21.9	74.0	258.2	537.4	720.4	654.0	409.8	125.3	18.0	0.8
55	0.0	0.4	5.1	25.8	147.3	390.8	565.5	499.3	275.0	55.5	4.3	0.0
60	0.0	0.0	0.6	6.3	66.3	251.1	411.5	346.5	157.7	17.7	0.4	0.0
Growing Degree Units for Corn (Monthly)												
50/86	49.9	62.1	145.2	223.6	352.4	518.5	650.4	607.7	445.9	274.4	121.4	46.9

Growing Degree Units (Accumulated Monthly)												
40	23	58	191	456	992	1829	2859	3823	4524	4873	4980	5003
45	5	16	78	233	624	1311	2187	2996	3548	3774	3825	3830
50	1	3	25	99	358	895	1615	2269	2679	2804	2822	2823
55	0	0	6	31	179	569	1135	1634	1909	1965	1969	1969
60	0	0	1	7	73	324	736	1082	1240	1258	1258	1258
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	50	112	257	481	833	1352	2002	2610	3056	3330	3452	3498

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

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