

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 7533 ft. Lat: 37.4389° N Lon: 105.8614° W

Station: ALAMOSA SAN LUIS AP, CO US USW00023061

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	34.8	-1.1	16.8	6.8	6.6	6.5	0.0	0.0	0.0	0.0	0.0	0.0	1182.5	1244.6	1337.6	1492.6	0.0	0.0	2.2	12.7	31.0	16.9
02	41.2	7.4	24.3	5.7	4.7	4.8	0.0	0.0	0.0	0.0	0.0	0.0	859.5	915.6	999.6	1139.6	0.0	0.0	6.0	5.3	27.9	7.3
03	52.7	17.6	35.2	3.4	2.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	615.5	677.4	770.4	925.4	0.0	0.0	20.0	0.7	30.3	0.9
04	60.2	25.0	42.6	3.3	2.0	2.4	0.9	0.3	0.0	0.0	0.0	0.0	372.9	432.3	522.0	672.0	0.0	0.0	25.9	0.0	26.6	0.0
05	69.8	33.6	51.7	3.5	2.2	2.3	32.5	16.8	5.2	0.2	0.0	0.0	134.9	181.1	262.5	412.5	0.0	0.0	30.5	0.0	13.1	0.0
06	80.2	40.9	60.6	3.1	1.6	2.1	177.6	127.3	65.3	10.3	0.5	0.1	11.1	20.8	48.8	143.8	0.0	1.2	30.0	0.0	2.0	0.0
07	83.3	47.3	65.3	2.3	2.2	1.8	319.4	257.7	167.3	43.0	1.6	0.2	0.1	0.5	3.1	33.8	0.0	2.4	31.0	0.0	0.1	0.0
08	80.5	45.8	63.2	2.5	2.1	1.5	253.5	193.3	108.9	16.8	0.2	0.0	0.8	2.7	11.3	74.2	0.0	0.3	31.0	0.0	0.2	0.0
09	74.4	37.3	55.9	2.5	2.4	2.0	79.3	46.9	15.7	0.7	0.0	0.0	53.9	81.4	140.3	275.2	0.0	0.0	29.9	0.0	7.9	0.0
10	62.8	24.8	43.8	3.1	3.0	2.3	2.2	0.7	0.0	0.0	0.0	0.0	349.5	409.9	502.2	657.2	0.0	0.0	27.9	0.4	26.4	0.2
11	48.5	12.1	30.3	4.5	3.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0	741.0	801.0	891.0	1041.0	0.0	0.0	14.4	2.5	29.6	3.2
12	35.4	0.8	18.1	6.2	5.2	5.5	0.0	0.0	0.0	0.0	0.0	0.0	1143.7	1205.8	1298.8	1453.8	0.0	0.0	2.9	12.4	30.9	15.5
Summary	60.3	24.3	42.3	3.9	3.2	3.1	865	643	362	71	2	0	5465	5973	6788	8321	0.0	3.9	251.7	34.0	226.0	44.0

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	0.32	3.8	0.9	0.0	0.0	0.08	0.16	0.45	
02	0.28	3.9	0.9	0.0	0.0	0.08	0.23	0.39	
03	0.54	4.7	1.7	0.1	0.0	0.25	0.48	0.72	
04	0.57	4.9	1.7	0.2	0.0	0.20	0.42	0.80	
05	0.60	5.6	1.9	0.3	0.0	0.15	0.48	1.06	
06	0.43	4.2	1.5	0.1	0.0	0.15	0.31	0.58	
07	1.04	8.4	3.0	0.3	0.1	0.37	0.88	1.31	
08	1.29	9.9	3.4	0.7	0.1	0.66	0.93	1.28	
09	0.98	6.5	2.8	0.4	0.1	0.62	1.01	1.14	
10	0.65	4.7	2.1	0.2	0.0	0.26	0.59	0.97	
11	0.37	3.7	1.3	0.0	0.0	0.12	0.31	0.48	
12	0.34	4.3	1.3	0.0	0.0	0.12	0.25	0.46	
Summary	7.41	64.6	22.5	2.3	0.3	3.06	6.05	9.64	

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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	4.50	3.9	1.6	0.5	0.1	0.0	14.0	7.2	4.2	1.0	1.30	2.70	5.10
02	4.10	3.7	1.3	0.3	0.1	0.0	10.0	5.6	2.5	0.5	0.60	3.40	4.50
03	4.30	3.2	1.4	0.3	0.1	0.0	2.9	1.2	0.5	0.0	1.40	3.40	6.10
04	3.50	2.4	1.3	0.4	0.1	0.0	1.2	0.3	0.0	0.0	0.70	2.20	5.00
05	0.80	0.8	0.3	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.50
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	0.50	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.00	0.00	0.00
10	2.20	1.0	0.6	0.3	0.1	0.0	0.8	0.4	0.2	0.0	0.00	0.50	1.80
11	3.40	2.5	1.1	0.4	0.1	0.0	3.7	1.3	0.5	0.1	1.00	2.70	4.30
12	4.60	4.0	1.7	0.5	0.0	0.0	11.1	5.5	2.4	0.2	1.40	3.40	6.50
Summary	27.9	21.6	9.4	2.9	0.7	0.0	44.0	21.7	10.4	1.8	6.4	18.3	33.8

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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	0.1	1.2	30.4	127.9	366.7	616.4	784.2	717.6	476.0	160.9	12.7	0.5
45	0.0	0.1	5.7	47.6	225.1	466.5	629.2	562.6	329.5	65.2	2.0	0.0
50	0.0	0.0	0.4	10.4	108.7	318.1	474.2	407.6	191.7	16.4	0.1	0.0
55	0.0	0.0	0.0	0.9	32.5	177.6	319.4	253.5	79.3	2.2	0.0	0.0
60	0.0	0.0	0.0	0.0	5.2	65.3	167.3	108.9	15.7	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	3.1	13.1	84.9	165.7	308.0	448.8	517.1	477.5	366.3	207.1	54.4	4.2

Growing Degree Units (Accumulated Monthly)												
40	0	1	32	160	526	1143	1927	2644	3120	3281	3294	3295
45	0	0	6	53	278	745	1374	1937	2266	2332	2334	2334
50	0	0	0	11	120	438	912	1319	1511	1528	1528	1528
55	0	0	0	1	33	211	530	784	863	865	865	865
60	0	0	0	0	5	70	238	347	362	362	362	362
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	3	16	101	267	575	1024	1541	2018	2384	2592	2646	2650

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