

Summary of Monthly Normals
1991-2020

Current Location: Elev: 5680 ft. Lat: 36.0908° N Lon: 106.0567° W
Station: **ALCALDE, NM US USC00290245**
Generated on 06/04/2024

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	45.1	15.3	30.2	4.4	3.4	2.8	0.0	0.0	0.0	0.0	0.0	0.0	768.7	830.7	923.8	1078.8	0.0	0.0	11.6	1.4	30.4	0.5
02	51.0	19.6	35.3	3.7	2.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	551.6	607.6	691.6	831.6	0.0	0.0	17.6	0.5	27.2	0.2
03	60.0	24.8	42.4	3.3	2.2	2.0	0.6	0.1	0.0	0.0	0.0	0.0	391.2	452.7	545.6	700.6	0.0	0.0	27.7	0.0	27.0	0.0
04	67.4	31.9	49.6	2.8	1.8	2.1	16.4	7.6	2.1	0.0	0.0	0.0	176.9	228.1	312.6	460.5	0.0	0.0	29.0	0.0	16.2	0.0
05	76.2	39.9	58.1	3.5	1.7	2.2	135.8	94.6	47.9	10.2	1.3	0.5	41.2	62.0	108.3	225.7	0.0	1.1	30.9	0.0	3.5	0.0
06	86.0	48.2	67.1	3.1	1.9	2.2	363.7	304.7	219.1	94.7	20.5	9.1	0.8	1.8	6.2	31.8	0.1	11.7	30.0	0.0	0.0	0.0
07	88.1	55.4	71.8	2.2	1.8	1.6	519.1	457.1	364.1	210.5	72.7	35.0	0.0	0.0	0.0	1.3	0.1	16.1	31.0	0.0	0.0	0.0
08	85.6	53.7	69.6	3.0	1.5	1.8	454.2	392.5	300.4	152.2	39.5	16.0	0.1	0.4	1.4	8.1	0.0	9.7	31.0	0.0	0.0	0.0
09	79.8	44.6	62.2	2.8	2.3	2.1	224.8	172.3	102.2	27.9	3.0	0.9	8.8	16.4	36.2	111.9	0.0	1.9	30.0	0.0	1.0	0.0
10	68.7	31.9	50.3	3.0	3.0	1.7	22.1	10.9	3.1	0.2	0.0	0.0	167.7	218.6	303.8	455.8	0.0	0.0	30.2	0.0	17.5	0.0
11	55.4	22.0	38.7	4.0	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	489.0	549.0	639.0	789.0	0.0	0.0	23.2	0.2	28.2	0.0
12	44.5	15.2	29.8	3.0	2.8	2.1	0.0	0.0	0.0	0.0	0.0	0.0	779.5	841.5	934.6	1089.6	0.0	0.0	11.6	1.8	30.7	0.5
Summary	67.3	33.5	50.4	3.2	2.3	2.1	1737	1440	1039	496	137	62	3376	3809	4503	5785	0.2	40.5	303.8	3.9	181.7	1.2

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	0.51	2.8	1.5	0.2	0.0	0.11	0.34	0.77
02	0.39	3.0	1.6	0.1	0.0	0.13	0.37	0.62
03	0.69	3.8	2.2	0.3	0.0	0.35	0.64	0.97
04	0.70	4.1	2.3	0.3	0.0	0.23	0.56	1.01
05	0.78	4.2	2.3	0.2	0.0	0.24	0.66	1.07
06	0.78	3.9	2.0	0.4	0.0	0.27	0.52	1.30
07	1.65	8.2	4.6	0.9	0.1	0.98	1.65	2.38
08	1.75	8.5	4.4	0.9	0.2	1.07	1.54	2.21
09	1.25	5.4	2.5	0.8	0.2	0.66	1.06	1.57
10	1.14	4.9	2.9	0.7	0.1	0.46	0.90	1.55
11	0.73	3.1	2.0	0.3	0.0	0.18	0.66	1.15
12	0.73	3.3	2.0	0.2	0.0	0.13	0.51	1.15
Summary	11.10	55.2	30.3	5.3	0.6	4.81	9.41	15.75

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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	2.20	1.3	0.7	0.1	0.1	0.0	2.0	0.4	0.2	0.0	0.00	1.10	3.10
02	1.50	1.1	0.7	0.1	0.0	0.0	1.0	0.2	0.0	0.0	0.00	1.00	2.30
03	1.40	0.5	0.4	0.1	0.0	0.0	0.5	0.3	0.1	0.0	0.00	0.00	1.30
04	0.30	0.3	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
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	0.60	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
11	1.40	0.5	0.4	0.3	0.1	0.0	0.5	0.3	0.1	0.0	0.00	0.00	2.90
12	3.30	1.7	1.3	0.4	0.1	0.0	2.9	1.0	0.6	0.1	0.60	1.70	5.40
Summary	10.7	5.6	3.8	1.1	0.3	0.0	7.2	2.3	1.0	0.1	0.6	3.8	15.0

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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	2.6	18.2	119.6	295.5	559.7	812.9	984.2	919.1	666.0	327.7	60.5	3.7
45	0.1	2.6	40.9	165.8	407.2	662.9	829.2	764.1	516.0	189.1	15.0	0.3
50	0.0	0.2	8.1	66.5	261.9	513.0	674.2	609.1	367.2	80.6	1.9	0.0
55	0.0	0.0	0.6	16.4	135.8	363.7	519.1	454.2	224.8	22.1	0.0	0.0
60	0.0	0.0	0.0	2.1	47.9	219.1	364.1	300.4	102.2	3.1	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	19.3	54.9	165.4	262.0	403.0	529.4	629.5	589.2	450.3	293.1	106.4	18.6
Growing Degree Units (Accumulated Monthly)												
40	3	21	140	436	996	1808	2793	3712	4378	4705	4766	4770
45	0	3	44	209	617	1280	2109	2873	3389	3578	3593	3593
50	0	0	8	75	337	850	1524	2133	2500	2581	2583	2583
55	0	0	1	17	153	516	1036	1490	1715	1737	1737	1737
60	0	0	0	2	50	269	633	934	1036	1039	1039	1039
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	19	74	240	502	905	1434	2064	2653	3103	3396	3502	3521

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