

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 4571 ft. Lat: 33.1461° N Lon: 107.1842° W
Station: **ELEPHANT BUTTE DAM, NM US USC00292848**

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	56.5	30.0	43.3	4.2	2.8	2.7	1.3	0.3	0.0	0.0	0.0	0.0	365.4	426.5	519.2	674.2	0.0	0.0	24.1	0.2	22.2	0.0
02	62.0	34.1	48.1	3.4	2.6	2.7	10.8	4.8	1.5	0.1	0.0	0.0	205.4	255.4	336.1	474.7	0.0	0.0	25.4	0.0	12.5	0.0
03	69.4	40.3	54.9	2.9	2.9	2.5	87.2	59.7	30.7	6.8	0.6	0.1	91.8	126.3	190.3	321.5	0.0	0.0	30.2	0.0	4.2	0.0
04	77.5	48.5	63.0	3.3	2.6	2.9	254.8	203.9	135.2	51.1	11.5	4.9	14.8	23.9	45.3	111.1	0.0	1.1	29.9	0.0	0.2	0.0
05	86.2	57.6	71.9	3.2	2.0	2.5	524.6	463.2	372.5	230.6	114.8	78.8	0.7	1.3	3.6	16.7	0.5	7.9	31.0	0.0	0.0	0.0
06	95.9	67.4	81.7	2.6	2.3	2.4	799.3	739.3	649.3	499.7	351.5	293.7	0.0	0.0	0.0	0.3	8.1	24.8	30.0	0.0	0.0	0.0
07	95.7	70.2	82.9	2.5	1.8	2.0	866.4	804.4	711.4	556.5	401.6	340.1	0.0	0.0	0.0	0.0	7.5	25.6	31.0	0.0	0.0	0.0
08	93.3	68.6	80.9	3.1	1.9	2.4	804.4	742.4	649.4	494.4	339.8	278.8	0.0	0.0	0.0	0.0	3.9	22.8	31.0	0.0	0.0	0.0
09	87.6	61.9	74.7	2.6	2.2	2.1	592.6	532.8	443.4	297.6	163.2	117.5	0.2	0.4	1.0	5.1	0.3	11.8	30.0	0.0	0.0	0.0
10	78.0	50.3	64.1	3.2	1.9	2.1	299.3	244.2	168.6	70.2	16.5	7.1	15.7	22.6	40.0	96.6	0.0	1.6	30.7	0.0	0.6	0.0
11	65.6	38.4	52.0	3.9	2.6	2.9	51.8	32.9	14.8	1.9	0.1	0.0	141.8	182.9	254.7	391.9	0.0	0.0	28.6	0.0	7.5	0.0
12	55.6	30.4	43.0	3.9	2.4	2.5	2.2	0.8	0.1	0.0	0.0	0.0	374.0	434.6	526.9	681.9	0.0	0.0	22.9	0.4	21.6	0.0
Summary	76.9	49.8	63.4	3.2	2.3	2.5	4295	3829	3177	2209	1400	1121	1210	1474	1917	2774	20.3	95.6	344.8	0.6	68.8	0.0

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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	0.42	3.0	1.5	0.1	0.1	0.06	0.21	0.64	
02	0.33	2.2	1.1	0.1	0.0	0.00	0.14	0.56	
03	0.26	2.3	1.0	0.0	0.0	0.03	0.15	0.34	
04	0.28	1.3	0.6	0.1	0.0	0.00	0.03	0.38	
05	0.43	2.4	1.4	0.2	0.0	0.04	0.23	0.57	
06	0.48	2.7	1.6	0.2	0.1	0.00	0.38	0.70	
07	2.17	7.7	4.6	1.0	0.4	0.92	1.45	3.23	
08	1.81	8.2	4.5	0.8	0.0	0.80	1.69	2.52	
09	1.58	5.7	3.1	0.9	0.2	0.79	1.35	1.91	
10	0.87	4.2	2.2	0.5	0.0	0.36	0.57	1.26	
11	0.62	2.6	1.7	0.3	0.0	0.04	0.35	0.81	
12	0.64	3.1	1.8	0.4	0.0	0.09	0.24	0.77	
Summary	9.89	45.4	25.1	4.6	0.8	3.13	6.79	13.69	

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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	0.20	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
02	0.30	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
03	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
04	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
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	0.10	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	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
12	0.30	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Summary	0.9	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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	137.7	234.5	463.6	690.1	989.0	1249.2	1331.4	1269.3	1042.4	748.9	365.6	136.4
45	50.1	121.5	316.3	540.7	833.9	1099.4	1176.5	1114.4	892.5	595.1	233.0	54.4
50	11.7	46.0	186.5	393.6	679.1	949.4	1021.5	959.4	742.5	444.2	124.8	15.4
55	1.3	10.8	87.2	254.8	524.6	799.3	866.4	804.4	592.6	299.3	51.8	2.2
60	0.0	1.5	30.7	135.2	372.5	649.3	711.4	649.4	443.4	168.6	14.8	0.1
Growing Degree Units for Corn (Monthly)												
50/86	119.0	172.8	305.3	436.2	638.1	797.4	867.4	840.6	690.8	472.1	239.5	108.5

Growing Degree Units (Accumulated Monthly)												
40	138	372	836	1526	2515	3764	5096	6365	7407	8156	8522	8658
45	50	172	488	1029	1862	2962	4138	5253	6145	6740	6973	7028
50	12	58	244	638	1317	2266	3288	4247	4990	5434	5559	5574
55	1	12	99	354	879	1678	2544	3349	3941	4241	4292	4295
60	0	2	32	167	540	1189	1901	2550	2993	3162	3177	3177
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	119	292	597	1033	1671	2469	3336	4177	4868	5340	5579	5688

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

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