

Summary of Monthly Normals
1981-2010
Generated on 02/28/2018

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	34.2	9.4	21.8	5.0	5.3	5.0	0	0	0	0	0	0	1029	1091	1184	1339	0.0	0.0	0.8	12.0	31.0	4.6
02	38.1	14.0	26.0	4.4	4.3	4.1	0	0	0	0	0	0	810	866	950	1090	0.0	0.0	2.4	6.4	27.9	1.9
03	46.6	22.4	34.5	3.8	2.4	2.9	-7777	0	0	0	0	0	636	698	791	946	0.0	0.0	11.5	1.8	28.4	0.1
04	55.4	28.5	42.0	3.8	2.8	3.1	2	1	-7777	0	0	0	394	452	542	691	0.0	0.0	21.4	0.4	20.2	0.0
05	65.5	37.6	51.6	3.3	2.2	2.7	43	24	9	1	-7777	0	150	193	271	418	0.0	0.0	29.1	0.0	6.4	0.0
06	76.1	45.9	61.0	3.0	2.1	2.5	198	150	88	21	2	-7777	18	30	58	141	0.0	0.2	30.0	0.0	0.3	0.0
07	80.4	51.0	65.7	2.1	1.6	1.6	332	271	182	62	8	2	1	2	6	41	0.0	0.4	31.0	0.0	0.0	0.0
08	77.6	49.3	63.4	2.0	2.1	1.7	264	204	121	28	2	-7777	2	4	14	76	0.0	0.0	31.0	0.0	0.0	0.0
09	70.7	42.4	56.5	2.7	2.0	2.2	99	64	27	3	-7777	0	53	78	131	257	0.0	0.0	29.6	0.0	1.7	0.0
10	58.8	31.6	45.2	3.3	2.2	2.5	5	2	-7777	-7777	0	0	308	367	459	614	0.0	0.0	26.2	0.4	14.7	0.0
11	45.0	20.3	32.7	3.9	3.1	3.3	-7777	0	0	0	0	0	671	730	820	970	0.0	0.0	10.7	3.5	28.5	0.2
12	34.7	10.5	22.6	3.8	4.0	3.7	0	0	0	0	0	0	1004	1066	1159	1314	0.0	0.0	0.8	11.1	30.8	4.2
Summary	56.9	30.2	43.6	3.4	2.8	2.9	943	716	427	115	12	2	5076	5577	6385	7897	0.0	0.6	224.5	35.6	189.9	11.0

-7777: a non-zero value that would round to zero

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service
Current Location: Elev: 8183 ft. Lat: 37.7332° N Lon: -105.5119° W
Station: GREAT SAND DUNES NAT, CO US USC00053541

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	0.53	4.7	1.6	0.2	0.0	0.20	0.42	0.74
02	0.46	5.0	1.4	0.1	0.0	0.23	0.44	0.55
03	1.12	6.5	3.6	0.4	0.1	0.53	0.94	1.46
04	1.04	6.0	3.2	0.6	0.1	0.37	0.90	1.59
05	1.20	7.6	3.7	0.4	-7777	0.42	1.10	1.85
06	0.85	6.4	2.7	0.3	0.1	0.28	0.66	1.23
07	1.80	10.6	5.1	0.9	0.2	0.90	1.74	2.49
08	2.08	12.4	6.4	0.8	0.2	1.34	1.96	2.89
09	1.43	8.4	3.7	0.6	0.2	0.87	1.17	1.84
10	0.98	5.7	2.8	0.3	-7777	0.39	0.76	1.62
11	0.47	4.0	1.7	0.1	-7777	0.17	0.39	0.75
12	0.45	5.1	1.5	0.1	0.0	0.17	0.33	0.57
Summary	12.41	82.4	37.4	4.8	0.9	5.87	10.81	17.58

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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	7.4	4.8	2.3	0.8	0.4	0.0					2.2	6.1	14.7
02	6.7	4.6	2.2	0.7	0.2	0.0					3.9	6.2	8.3
03	10.0	5.1	2.9	1.1	0.4	0.1					4.0	7.6	15.1
04	7.0	3.8	2.2	0.8	0.4	-7777					1.8	5.7	12.4
05	1.2	0.8	0.4	0.2	-7777	-7777					0.0	0.0	1.0
06	-7777	-7777	0.0	0.0	0.0	0.0					0.0	0.0	0.0
07	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
08	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
09	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
10	2.6	1.7	0.9	0.4	0.1	0.0					0.0	1.0	5.5
11	5.6	3.3	1.8	0.6	0.3	0.1					1.6	4.4	8.9
12	6.5	5.3	2.8	0.6	0.3	0.0					2.5	5.3	9.3
Summary	47.0	29.4	15.5	5.2	2.1	0.2	0.0	0.0	0.0	0.0	16.0	36.3	75.2

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	-7777	1	32	132	365	630	797	727	497	200	24	-7777
45	-7777	-7777	7	56	229	480	642	572	352	94	4	-7777
50	0	0	1	15	117	334	487	417	215	30	-7777	0
55	0	0	-7777	2	43	198	332	264	99	5	-7777	0
60	0	0	0	-7777	9	88	182	121	27	-7777	0	0
Growing Degree Units for Corn (Monthly)												
50/86	1	4	36	113	245	400	500	447	314	153	31	1

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	33	165	530	1160	1957	2684	3181	3381	3405	3405
45	0	0	7	63	292	772	1414	1986	2338	2432	2436	2436
50	0	0	1	16	133	467	954	1371	1586	1616	1616	1616
55	0	0	0	2	45	243	575	839	938	943	943	943
60	0	0	0	0	9	97	279	400	427	427	427	427
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	5	41	154	399	799	1299	1746	2060	2213	2244	2245

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