U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Summary of Monthly Normals
1981-2010
Generated on 04/29/2024

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

Current Location: Elev: 7740 ft. Lat: 39.8789° N Lon: 106.3333° W

Station: **GREEN MOUNTAIN DAM, CO US USC00053592**

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	26.9	1.5	14.2	4.6	4.9	4.6	0	0	0	0	0	0	1265	1327	1420	1575	0.0	0.0	0.1	20.9	31.0	14.1
02	33.3	4.8	19.1	3.6	5.0	4.0	0	0	0	0	0	0	1007	1063	1147	1287	0.0	0.0	0.4	11.3	28.0	9.1
03	41.5	14.6	28.0	3.2	3.4	2.9	0	0	0	0	0	0	835	897	990	1145	0.0	0.0	5.4	4.5	30.8	2.7
04	50.8	24.3	37.5	4.0	2.7	3.2	-7777	-7777	-7777	0	0	0	524	584	674	824	0.0	0.0	16.2	0.9	26.4	0.2
05	61.7	32.4	47.0	3.8	1.4	2.3	8	3	1	-7777	0	0	254	312	402	557	0.0	0.0	26.8	-7777	14.9	0.0
06	72.3	39.0	55.6	3.5	1.8	2.4	80	49	18	1	0	0	61	90	148	281	0.0	0.0	29.6	0.0	2.3	0.0
07	78.0	43.8	60.9	3.1	1.5	2.0	190	135	68	10	-7777	-7777	7	15	40	137	0.0	0.3	31.0	0.0	0.2	0.0
08	75.9	43.1	59.5	2.3	2.1	1.9	153	104	48	6	-7777	-7777	14	27	64	177	0.0	0.2	31.0	0.0	0.4	0.0
09	67.5	35.0	51.2	2.7	2.1	2.1	30	15	4	-7777	0	0	142	187	266	413	0.0	0.0	28.9	-7777	9.7	0.0
10	54.6	26.1	40.3	3.6	2.1	2.4	-7777	-7777	0	0	0	0	454	516	609	764	0.0	0.0	21.8	0.6	25.6	-7777
11	39.7	15.5	27.6	5.0	3.3	3.9	0	0	0	0	0	0	822	882	972	1122	0.0	0.0	5.9	7.7	29.3	2.0
12	28.4	5.7	17.0	2.9	3.5	2.9	0	0	0	0	0	0	1176	1238	1331	1486	0.0	0.0	0.3	19.9	30.9	9.2
Summary	52.6	23.8	38.2	3.5	2.8	2.9	461	306	139	17	0	0	6561	7138	8063	9768	0.0	0.5	197.4	65.8	229.5	37.3

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

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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	0.90	5.7	3.0	0.3	0.0	0.50	0.80	1.24
02	0.97	5.8	2.8	0.3	0.1	0.50	0.69	1.35
03	1.12	6.7	4.3	0.2	0.0	0.81	1.02	1.28
04	1.53	6.3	4.2	0.6	0.1	1.05	1.31	1.80
05	1.49	7.2	5.1	0.9	0.0	0.94	1.21	1.89
06	1.27	5.6	3.5	0.4	0.1	0.63	1.00	1.59
07	1.48	8.0	4.3	0.8	0.1	0.82	1.29	1.83
08	1.15	7.7	4.7	0.6	0.1	0.59	0.86	1.22
09	1.44	6.4	3.6	0.8	0.1	0.82	1.40	1.80
10	1.21	5.8	3.5	0.4	0.1	0.73	1.19	1.44
11	0.94	6.2	4.0	0.3	0.1	0.55	0.77	1.20
12	0.96	5.8	3.2	0.2	-7777	0.58	0.80	1.08
Summary	14.46	77.2	46.2	5.8	0.8	8.52	12.34	17.72

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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	8.4	4.9	3.7	1.0	0.5	-7777					4.4	8.0	13.0
02	11.9	5.0	3.9	1.1	0.4	0.1					6.0	7.8	15.5
03	9.8	5.4	4.1	1.0	0.2	0.0					5.1	8.0	14.5
04	5.9	3.0	2.3	0.8	0.1	0.0					2.0	5.5	9.2
05	1.6	0.9	0.6	0.1	0.1	0.0					0.0	0.0	1.0
06	0.0	0.0	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	0.1	0.3	0.2	0.0	0.0	0.0					0.0	0.0	0.0
10	2.8	1.8	1.1	0.2	0.1	0.0					0.0	1.0	4.0
11	7.6	4.7	3.6	1.1	0.3	0.1					4.1	7.0	9.0
12	8.8	5.1	3.3	0.9	0.4	0.1					6.5	8.6	12.4
Summary	56.9	31.1	22.8	6.2	2.1	0.3	0.0	0.0	0.0	0.0	28.1	45.9	78.6

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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	0	-7777	3	61	240	470	648	605	344	95	6	-7777
45	0	-7777	-7777	18	125	324	493	450	210	31	1	-7777
50	0	0	-7777	4	43	188	339	297	99	5	-7777	0
55	0	0	0	-7777	8	80	190	153	30	-7777	0	0
60	0	0	0	-7777	1	18	68	48	4	0	0	0

Growing Degree Units for Corn (Monthly)

50/86	-7777	1	12	70	194	335	433	403	266	110	15	-7777

Growing Degree Units (Accumulated Monthly)

40	0	0	3	64	304	774	1422	2027	2371	2466	2472	2472
45	0	0	0	18	143	467	960	1410	1620	1651	1652	1652
50	0	0	0	4	47	235	574	871	970	975	975	975
55	0	0	0	0	8	88	278	431	461	461	461	461
60	0	0	0	0	1	19	87	135	139	139	139	139

Growing Degree Units for Corn (Monthly Accumulated)

50/86	0	1	13	83	277	612	1045	1448	1714	1824	1839	1839

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

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