

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 4376 ft. Lat: 40.2569° N Lon: 103.8700° W

Station: FT MORGAN, CO US USC00053038

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	41.6	12.7	27.1	5.6	4.3	4.6	0.0	0.0	0.0	0.0	0.0	0.0	863.4	925.3	1018.3	1173.3	0.0	0.0	8.1	6.6	30.7	3.6
02	44.9	15.2	30.1	6.0	4.3	4.9	0.1	0.0	0.0	0.0	0.0	0.0	698.5	754.4	838.3	978.4	0.0	0.0	11.5	5.4	27.0	2.5
03	56.0	24.9	40.4	4.2	3.4	3.4	5.4	2.6	0.6	0.0	0.0	0.0	456.5	515.7	606.8	761.1	0.0	0.0	21.3	1.7	25.8	0.2
04	63.2	33.0	48.1	3.7	2.6	2.9	34.4	21.2	8.7	1.3	0.1	0.0	241.3	288.2	365.6	508.2	0.0	0.0	24.8	0.8	13.7	0.0
05	72.4	43.3	57.9	3.9	2.4	2.9	164.6	126.6	79.1	28.1	6.1	2.8	76.2	100.3	145.8	249.8	0.0	1.6	29.4	0.0	1.8	0.0
06	84.0	53.5	68.8	3.2	2.2	2.5	416.4	358.8	275.8	152.6	62.8	38.8	4.0	6.4	13.5	40.2	1.0	9.1	29.9	0.0	0.0	0.0
07	90.2	59.7	75.0	3.4	2.0	2.5	618.3	556.3	463.7	311.6	169.5	120.7	0.0	0.1	0.5	3.4	2.7	17.8	31.0	0.0	0.0	0.0
08	88.0	56.8	72.4	3.4	1.9	2.5	539.8	478.6	387.3	240.6	112.4	71.6	0.6	1.3	3.0	11.3	0.4	14.9	31.0	0.0	0.0	0.0
09	80.5	47.1	63.8	3.5	2.6	2.8	288.7	238.7	170.9	80.2	25.2	13.2	24.8	34.9	57.1	116.3	0.3	7.1	29.5	0.0	0.5	0.0
10	66.3	33.6	50.0	4.2	3.0	3.3	53.8	36.0	17.5	2.9	0.1	0.0	210.3	254.5	329.1	469.4	0.0	0.4	27.4	0.7	11.9	0.1
11	52.2	21.4	36.8	5.6	3.1	4.1	1.7	0.8	0.3	0.1	0.0	0.0	547.6	606.8	696.3	846.0	0.0	0.0	17.7	2.4	27.2	0.7
12	41.8	13.1	27.5	5.2	3.6	4.1	0.0	0.0	0.0	0.0	0.0	0.0	853.8	915.8	1008.7	1163.8	0.0	0.0	9.1	7.6	30.9	3.5
Summary	65.1	34.5	49.8	4.3	2.9	3.4	2123	1820	1404	817	376	247	3977	4404	5083	6321	4.4	50.9	270.7	25.2	169.5	10.6

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	0.25	2.5	0.9	0.0	0.0	0.08	0.17	0.37	
02	0.27	2.9	1.3	0.0	0.0	0.10	0.26	0.39	
03	0.74	3.7	1.9	0.4	0.1	0.15	0.57	0.95	
04	1.46	6.2	3.6	0.6	0.1	0.99	1.39	1.86	
05	2.24	10.3	5.5	1.1	0.5	1.21	1.69	3.32	
06	2.16	7.5	4.4	1.2	0.2	1.25	1.84	2.79	
07	2.39	7.7	5.2	1.6	0.5	1.52	1.93	3.07	
08	1.71	7.7	4.1	1.2	0.4	0.92	1.53	2.07	
09	1.14	5.0	3.1	0.7	0.2	0.55	0.86	1.37	
10	1.14	4.6	3.1	0.6	0.1	0.53	0.78	1.55	
11	0.49	3.0	1.4	0.2	0.1	0.11	0.34	0.72	
12	0.29	2.9	0.9	0.0	0.0	0.07	0.19	0.40	
Summary	14.28	64.0	35.4	7.6	2.2	7.48	11.55	18.86	

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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	3.80	2.0	1.3	0.4	0.0	0.0	6.6	4.2	2.6	0.1	0.50	2.60	5.40
02	3.90	2.3	1.5	0.3	0.1	0.0	5.6	3.5	1.3	0.0	1.10	3.10	6.00
03	3.80	1.9	1.4	0.7	0.3	0.0	2.3	0.9	0.4	0.1	0.90	3.00	5.80
04	1.70	0.9	0.8	0.2	0.0	0.0	1.0	0.5	0.1	0.0	0.00	1.30	3.00
05	0.30	0.2	0.1	0.0	0.0	0.0	0.2	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	2.10	0.6	0.6	0.3	0.1	0.0	0.7	0.5	0.2	0.0	0.00	0.00	2.50
11	2.70	1.1	0.6	0.2	0.1	0.0	1.3	0.7	0.3	0.2	0.60	1.10	4.90
12	4.40	2.6	1.8	0.6	0.1	0.0	6.6	3.6	2.2	0.3	0.50	3.00	4.40
Summary	22.7	11.6	8.1	2.7	0.7	0.0	24.3	13.9	7.1	0.7	3.6	14.1	32.0

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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	6.9	23.1	130.9	278.3	556.2	862.3	1083.2	1004.3	714.7	340.9	83.5	9.7
45	0.9	6.4	60.4	168.9	410.7	712.3	927.8	849.1	567.1	218.7	35.0	1.5
50	0.2	0.8	21.7	86.6	277.5	563.4	772.9	694.2	423.8	121.2	9.4	0.3
55	0.0	0.1	5.4	34.4	164.6	416.4	618.3	539.8	288.7	53.8	1.7	0.0
60	0.0	0.0	0.6	8.7	79.1	275.8	463.7	387.3	170.9	17.5	0.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	25.0	44.3	140.4	215.8	354.5	537.3	686.4	632.9	454.7	267.1	107.1	29.4

Growing Degree Units (Accumulated Monthly)												
40	7	30	161	439	995	1858	2941	3945	4660	5001	5084	5094
45	1	7	68	237	647	1360	2287	3136	3704	3922	3957	3959
50	0	1	23	109	387	950	1723	2417	2841	2962	2972	2972
55	0	0	6	40	204	621	1239	1779	2068	2122	2123	2123
60	0	0	1	9	88	364	828	1215	1386	1404	1404	1404
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	25	69	210	426	780	1317	2004	2637	3091	3358	3465	3495

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

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