

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 8560 ft. Lat: 39.9425° N Lon: 105.8172° W

Station: FRASER, CO US USC00053116

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	30.8	-0.9	14.9	2.7	4.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	1241.5	1303.5	1396.5	1551.5	0.0	0.0	0.0	17.6	31.0	17.2
02	34.4	2.0	18.2	2.9	4.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1030.4	1086.4	1170.4	1310.4	0.0	0.0	0.3	11.0	27.9	13.3
03	42.7	10.7	26.7	3.7	3.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	877.3	939.3	1032.3	1187.3	0.0	0.0	6.7	4.0	30.9	6.2
04	51.1	19.8	35.4	3.7	2.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	586.5	646.5	736.5	886.5	0.0	0.0	17.3	0.9	29.4	0.8
05	62.1	26.9	44.5	3.5	1.2	1.9	1.2	0.2	0.0	0.0	0.0	0.0	326.7	387.8	480.5	635.5	0.0	0.0	27.5	0.1	26.4	0.0
06	72.4	32.6	52.5	3.6	1.5	2.1	22.6	8.9	1.5	0.0	0.0	0.0	97.6	144.0	226.5	375.0	0.0	0.0	29.8	0.0	16.8	0.0
07	76.8	38.0	57.4	1.8	2.4	1.7	90.3	48.3	11.6	0.1	0.0	0.0	15.9	36.0	92.3	235.8	0.0	0.0	31.0	0.0	5.1	0.0
08	74.5	36.8	55.6	2.3	1.8	1.6	55.3	26.5	5.9	0.1	0.0	0.0	35.2	68.4	140.8	290.0	0.0	0.0	31.0	0.0	8.1	0.0
09	68.0	29.1	48.6	2.4	2.3	1.8	4.5	1.2	0.2	0.0	0.0	0.0	198.0	254.8	343.7	493.5	0.0	0.0	29.2	0.0	21.6	0.0
10	55.7	20.9	38.3	3.0	2.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0	517.7	579.7	672.7	827.7	0.0	0.0	23.2	0.9	29.4	0.6
11	41.1	9.5	25.3	4.9	3.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	891.0	951.0	1041.0	1191.0	0.0	0.0	6.4	7.1	29.8	7.2
12	30.7	-0.8	15.0	2.4	4.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0	1241.4	1303.4	1396.4	1551.4	0.0	0.0	0.3	18.3	31.0	18.1
Summary	53.4	18.7	36.0	3.1	2.9	2.6	174	85	19	0	0	0	7059	7701	8730	10536	0.0	0.0	202.7	59.9	287.4	63.4

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	1.94	10.7	6.3	0.6	0.0	1.26	1.58	2.34	
02	1.43	10.8	5.5	0.4	0.0	0.88	1.33	1.86	
03	1.79	8.3	5.0	0.8	0.1	0.92	1.64	2.24	
04	2.04	8.8	5.8	1.2	0.2	1.35	1.76	2.82	
05	1.27	7.4	5.0	0.5	0.1	0.89	1.29	1.62	
06	1.18	5.8	3.6	0.6	0.0	0.59	1.12	1.60	
07	1.90	8.9	5.1	0.7	0.1	1.19	1.74	2.67	
08	1.73	11.1	5.5	0.6	0.2	1.05	1.52	1.98	
09	1.63	7.9	4.3	0.6	0.0	1.18	1.51	2.09	
10	1.62	6.9	4.5	0.6	0.1	1.02	1.65	2.05	
11	1.37	7.9	5.0	0.6	0.0	0.84	1.30	1.76	
12	1.68	10.4	5.9	0.7	0.0	1.00	1.54	2.28	
Summary	19.58	104.9	61.5	7.9	0.8	12.17	17.98	25.31	

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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	24.70	10.6	8.5	3.2	1.2	0.2	31.0	31.0	30.9	27.6	16.00	20.40	27.00
02	24.70	10.8	8.0	3.2	1.2	0.1	28.5	28.4	27.8	25.0	14.20	22.60	36.00
03	19.40	7.4	6.1	2.4	1.2	0.1	24.7	22.9	22.0	19.2	7.80	18.60	25.40
04	18.60	6.0	4.6	2.0	0.9	0.1	11.3	8.9	7.2	4.2	12.10	18.70	24.90
05	3.00	0.8	0.8	0.4	0.1	0.0	1.2	0.8	0.4	0.0	0.00	1.00	5.40
06	0.40	0.1	0.1	0.1	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	1.20	0.5	0.4	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.00	0.20	1.00
10	9.50	3.3	2.8	1.1	0.6	0.1	4.4	3.0	1.7	0.1	3.60	10.60	13.60
11	16.20	7.4	5.9	2.1	1.0	0.0	19.3	15.4	11.8	3.6	9.30	16.00	23.10
12	25.50	10.5	7.7	3.1	1.4	0.3	29.8	28.8	27.1	17.3	11.70	20.70	38.00
Summary	143.2	57.4	44.9	17.7	7.6	0.9	150.4	139.3	129.0	97.0	74.7	128.8	194.4

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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	0.0	0.1	3.6	29.3	168.5	375.2	539.2	485.0	261.9	58.2	2.6	0.0
45	0.0	0.0	0.2	4.7	64.1	229.0	384.5	330.4	132.2	11.2	0.2	0.0
50	0.0	0.0	0.0	0.4	13.2	101.2	230.8	178.7	41.0	1.1	0.0	0.0
55	0.0	0.0	0.0	0.0	1.2	22.6	90.3	55.3	4.5	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	1.5	11.6	5.9	0.2	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.3	14.5	70.6	198.5	336.3	415.9	380.4	271.7	120.2	19.3	0.3

Growing Degree Units (Accumulated Monthly)												
40	0	0	4	33	202	577	1116	1601	1863	1921	1924	1924
45	0	0	0	5	69	298	682	1013	1145	1156	1156	1156
50	0	0	0	0	14	115	346	524	565	566	566	566
55	0	0	0	0	1	24	114	169	174	174	174	174
60	0	0	0	0	0	2	13	19	19	19	19	19
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	15	85	284	620	1036	1416	1688	1808	1828	1828

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