

Summary of Monthly Normals
1991-2020

Current Location: Elev: 6030 ft. Lat: 37.1786° N Lon: 104.4869° W
Station: **TRINIDAD, CO US USC00058429**
Generated on 04/27/2024

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	49.5	22.0	35.7	3.4	3.3	3.1	0.3	0.1	0.0	0.0	0.0	0.0	597.1	658.8	751.8	906.7	0.0	0.0	17.7	1.9	28.8	0.8
02	51.5	24.3	37.9	4.6	2.8	3.4	2.3	1.1	0.4	0.0	0.0	0.0	480.9	535.7	619.0	758.7	0.0	0.0	17.5	1.8	24.4	1.1
03	59.1	31.5	45.3	3.6	2.7	2.9	15.7	8.9	2.9	0.2	0.0	0.0	316.5	371.7	458.7	610.9	0.0	0.0	26.0	0.4	20.1	0.1
04	65.6	37.8	51.7	3.7	2.3	2.7	61.9	41.5	19.3	3.3	0.4	0.2	160.8	200.3	268.2	402.3	0.0	0.0	27.6	0.2	11.2	0.0
05	74.5	47.1	60.8	3.9	2.8	3.0	217.8	172.1	112.8	43.5	11.7	6.0	38.0	54.3	88.0	173.7	0.0	1.0	30.6	0.0	2.0	0.0
06	84.8	55.9	70.3	3.1	2.0	2.2	460.8	401.6	314.5	180.2	76.6	47.8	0.5	1.3	4.2	19.8	0.1	9.5	30.0	0.0	0.0	0.0
07	87.8	60.7	74.3	2.4	1.5	1.7	596.5	534.5	441.6	287.8	144.2	95.6	0.0	0.0	0.1	1.2	0.2	14.7	31.0	0.0	0.0	0.0
08	85.5	58.9	72.2	2.8	1.8	2.2	533.1	471.1	378.6	227.8	95.9	56.8	0.0	0.0	0.5	4.7	0.0	9.0	31.0	0.0	0.0	0.0
09	79.6	52.3	66.0	2.9	3.3	2.9	336.5	281.0	202.9	97.6	31.0	15.8	8.2	12.7	24.6	69.2	0.0	2.2	29.9	0.0	0.6	0.0
10	69.0	40.1	54.6	3.3	3.0	2.8	98.0	68.9	35.9	8.4	1.2	0.5	111.9	144.8	204.8	332.3	0.0	0.0	29.1	0.3	8.1	0.0
11	57.0	29.8	43.4	5.1	3.0	3.9	12.1	6.7	2.6	0.4	0.1	0.0	360.1	414.7	500.6	648.3	0.0	0.0	22.9	0.9	22.1	0.2
12	48.5	22.3	35.4	3.1	2.4	2.5	0.5	0.2	0.0	0.0	0.0	0.0	607.8	669.4	762.3	917.4	0.0	0.0	16.6	3.0	28.7	1.2
Summary	67.7	40.2	54.0	3.5	2.6	2.8	2336	1988	1512	849	361	223	2682	3064	3683	4845	0.3	36.4	309.9	8.5	146.0	3.4

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	0.54	3.5	1.7	0.2	0.0	0.23	0.44	0.59	
02	0.47	4.0	1.7	0.1	0.0	0.17	0.33	0.65	
03	1.07	5.5	3.0	0.5	0.1	0.52	0.70	1.56	
04	1.40	6.0	3.2	1.0	0.3	0.60	1.18	2.01	
05	1.52	7.0	3.8	0.7	0.2	0.72	1.29	2.11	
06	1.27	6.8	3.7	0.6	0.2	0.57	1.12	1.63	
07	2.63	10.4	6.0	1.6	0.4	1.65	2.36	3.12	
08	2.29	10.6	5.9	1.3	0.3	1.28	2.06	3.11	
09	1.27	5.9	3.1	0.7	0.1	0.60	1.07	1.61	
10	1.23	4.7	3.0	0.7	0.1	0.56	0.98	1.81	
11	0.64	3.8	2.0	0.3	0.0	0.15	0.47	0.89	
12	0.54	4.2	1.8	0.1	0.0	0.15	0.41	0.71	
Summary	14.87	72.4	38.9	7.8	1.7	7.20	12.41	19.80	

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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	7.70	2.5	2.1	1.0	0.3	0.0	5.0	3.2	1.7	0.7	3.70	4.50	9.40
02	7.30	2.8	2.4	1.2	0.3	0.0	4.2	1.9	0.5	0.0	2.50	4.20	11.00
03	9.50	2.6	2.5	1.4	0.8	0.0	2.6	1.3	0.7	0.0	4.00	8.50	10.00
04	7.80	1.8	1.5	0.9	0.7	0.2	1.9	1.1	0.7	0.1	0.90	5.00	12.50
05	0.50	0.2	0.1	0.1	0.0	0.0	0.1	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	0.10	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	4.80	0.9	0.8	0.6	0.3	0.2	1.5	0.9	0.6	0.2	0.00	0.00	7.50
11	8.30	1.8	1.7	0.9	0.5	0.1	2.5	1.3	0.8	0.1	2.60	5.50	13.60
12	9.10	3.3	2.6	1.3	0.6	0.1	7.5	4.5	2.3	0.3	4.30	7.10	12.90
Summary	55.1	15.9	13.7	7.4	3.5	0.6	25.3	14.2	7.3	1.4	18.0	34.8	76.9

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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	56.4	79.6	217.8	368.0	646.0	910.4	1061.6	998.1	778.4	463.9	180.9	59.6
45	17.6	32.9	118.3	241.2	494.4	760.3	906.5	843.1	628.7	323.2	95.2	20.1
50	3.5	10.5	50.3	137.2	348.9	610.3	751.4	688.0	480.6	196.6	40.2	4.6
55	0.3	2.3	15.7	61.9	217.8	460.8	596.5	533.1	336.5	98.0	12.1	0.5
60	0.0	0.4	2.9	19.3	112.8	314.5	441.6	378.6	202.9	35.9	2.6	0.0
Growing Degree Units for Corn (Monthly)												
50/86	63.6	76.7	165.6	249.8	406.5	588.0	700.5	659.5	502.0	309.8	142.7	60.7

Growing Degree Units (Accumulated Monthly)												
40	56	136	354	722	1368	2278	3340	4338	5116	5580	5761	5821
45	18	50	169	410	904	1665	2571	3414	4043	4366	4461	4482
50	4	14	64	202	550	1161	1912	2600	3081	3277	3317	3322
55	0	3	18	80	298	759	1355	1888	2225	2323	2335	2336
60	0	0	3	23	135	450	892	1270	1473	1509	1512	1512
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	64	140	306	556	962	1550	2251	2910	3412	3722	3865	3925

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