

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 7812 ft. Lat: 40.3489° N Lon: 105.5200° W
Station: **ESTES PARK 3 SSE, CO US USC00052761**

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	37.1	16.1	26.6	2.6	3.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	880.5	942.5	1035.5	1190.5	0.0	0.0	1.5	10.0	28.1	2.4
02	37.5	15.8	26.6	3.5	4.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	793.6	849.7	933.7	1073.7	0.0	0.0	2.2	10.3	25.4	2.5
03	45.0	21.2	33.1	3.3	2.7	2.8	0.1	0.0	0.0	0.0	0.0	0.0	679.2	741.0	834.0	989.0	0.0	0.0	10.3	4.1	26.6	0.9
04	51.5	26.1	38.8	3.5	2.3	2.8	1.5	0.6	0.1	0.0	0.0	0.0	487.4	546.5	636.0	785.9	0.0	0.0	17.2	1.9	22.6	0.3
05	61.2	34.7	47.9	3.9	2.3	2.9	28.2	16.9	6.3	0.6	0.1	0.1	246.8	297.4	379.8	529.1	0.0	0.0	25.4	0.5	10.8	0.0
06	73.9	42.6	58.3	3.7	2.5	3.0	141.0	102.2	56.6	14.0	1.9	0.8	43.7	64.8	109.2	216.6	0.0	0.4	29.6	0.0	0.3	0.0
07	80.2	48.2	64.2	2.7	1.8	2.0	288.7	230.0	147.5	44.0	5.3	1.6	3.6	7.0	17.5	68.9	0.0	1.2	31.0	0.0	0.0	0.0
08	77.7	46.4	62.0	2.4	1.6	1.8	228.9	174.7	103.0	23.3	2.1	0.6	10.4	18.3	39.5	114.9	0.0	0.2	31.0	0.0	0.1	0.0
09	69.6	39.2	54.4	3.0	2.7	2.5	78.2	50.9	22.6	2.7	0.1	0.0	96.4	129.0	190.6	320.7	0.0	0.0	28.8	0.0	3.8	0.0
10	56.6	30.2	43.4	3.4	3.1	3.0	8.6	4.4	1.2	0.1	0.0	0.0	368.1	425.9	515.7	669.7	0.0	0.0	22.5	1.3	16.1	0.3
11	44.1	23.5	33.8	4.4	3.2	3.6	0.4	0.1	0.0	0.0	0.0	0.0	636.4	696.2	786.0	936.0	0.0	0.0	10.9	4.0	22.2	0.7
12	36.2	16.4	26.3	2.5	3.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	889.4	951.5	1044.5	1199.5	0.0	0.0	1.8	11.0	27.7	2.4
Summary	55.9	30.0	42.9	3.2	2.8	2.8	776	580	337	85	10	3	5136	5670	6522	8094	0.0	1.8	212.2	43.1	183.7	9.5

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	0.82	6.3	2.3	0.1	0.0	0.30	0.60	0.98	
02	0.68	9.3	2.8	0.2	0.0	0.40	0.61	0.86	
03	1.58	8.9	4.1	0.7	0.1	0.79	1.25	1.88	
04	2.26	10.1	5.2	1.1	0.2	1.26	2.12	3.17	
05	2.27	12.4	5.9	1.4	0.5	1.46	1.99	2.63	
06	1.37	9.4	3.6	0.8	0.0	0.83	1.27	1.68	
07	2.55	14.1	7.0	1.1	0.5	1.64	2.01	3.47	
08	1.71	13.4	5.4	0.5	0.1	1.10	1.64	2.29	
09	1.65	8.8	3.6	0.6	0.2	0.75	1.34	1.76	
10	1.12	7.3	3.2	0.5	0.1	0.73	1.13	1.49	
11	0.74	6.0	2.6	0.3	0.0	0.48	0.71	0.99	
12	0.67	6.9	2.5	0.2	0.0	0.33	0.54	0.97	
Summary	17.42	112.9	48.2	7.5	1.7	10.07	15.21	22.17	

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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	9.80	7.4	2.9	1.2	0.3	0.1	22.7	14.5	8.3	2.3	4.30	5.80	12.70
02	13.30	10.3	4.2	1.2	0.5	0.0	22.2	16.2	8.4	1.3	7.80	12.50	16.30
03	18.80	9.5	4.4	2.0	1.0	0.3	17.0	11.6	6.9	1.3	9.90	16.20	25.70
04	19.30	8.0	4.4	2.1	1.1	0.4	7.9	4.7	2.5	0.8	7.90	18.00	26.50
05	9.50	3.7	1.9	0.8	0.6	0.2	2.5	1.3	0.8	0.4	1.70	9.80	14.00
06	0.00	0.1	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	0.50	0.3	0.2	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
10	9.10	3.8	1.9	0.9	0.6	0.2	4.0	2.2	1.5	0.5	1.30	5.80	20.00
11	11.00	5.8	2.9	1.2	0.4	0.1	13.4	6.6	2.2	0.6	7.20	10.40	14.40
12	12.70	8.6	3.3	1.2	0.4	0.1	21.9	14.4	7.9	0.8	6.90	9.90	16.40
Summary	104.0	57.5	26.1	10.7	5.0	1.4	111.7	71.5	38.5	8.0	47.0	88.4	146.0

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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	5.8	9.4	34.2	84.7	277.8	547.6	749.6	683.3	436.0	178.4	45.0	6.8
45	0.5	1.6	10.0	31.8	163.4	400.6	594.5	528.5	296.8	89.6	13.9	0.5
50	0.0	0.1	2.0	8.8	78.7	260.9	440.3	375.4	173.9	34.0	3.1	0.1
55	0.0	0.0	0.1	1.5	28.2	141.0	288.7	228.9	78.2	8.6	0.4	0.0
60	0.0	0.0	0.0	0.1	6.3	56.6	147.5	103.0	22.6	1.2	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	2.9	4.9	32.1	79.7	193.8	360.5	476.4	438.3	299.5	135.6	26.6	3.0

Growing Degree Units (Accumulated Monthly)												
40	6	15	49	134	412	960	1709	2392	2828	3007	3052	3059
45	0	2	12	44	207	608	1202	1731	2028	2117	2131	2132
50	0	0	2	11	90	350	791	1166	1340	1374	1377	1377
55	0	0	0	2	30	171	460	688	767	775	776	776
60	0	0	0	0	6	63	210	314	336	337	337	337
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	3	8	40	120	313	674	1150	1589	1888	2024	2050	2053

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

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