

Summary of Monthly Normals
1991-2020

Generated on 05/02/2024

Current Location: Elev: 7857 ft. Lat: 40.1564° N Lon: 106.9108° W
Station: YAMPA, CO US USC00059265

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	31.6	7.2	19.4	3.0	3.6	3.1	0.0	0.0	0.0	0.0	0.0	0.0	1103.6	1165.6	1258.6	1413.6	0.0	0.0	0.1	16.7	30.9	7.7
02	34.5	8.5	21.5	3.4	4.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	937.9	993.9	1077.9	1217.9	0.0	0.0	0.5	11.8	27.8	5.9
03	43.2	16.9	30.0	3.5	2.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	773.5	835.5	928.5	1083.5	0.0	0.0	7.0	5.4	30.0	2.1
04	52.0	24.2	38.1	3.7	2.3	2.9	0.4	0.1	0.0	0.0	0.0	0.0	507.4	567.1	657.0	807.0	0.0	0.0	17.6	1.1	26.5	0.3
05	62.2	32.5	47.4	3.4	1.7	2.4	15.4	7.6	2.1	0.2	0.0	0.0	252.6	306.8	394.3	547.3	0.0	0.0	26.7	0.1	14.6	0.0
06	73.5	39.9	56.7	3.5	1.8	2.5	106.1	70.9	33.6	4.4	0.1	0.0	55.2	80.0	132.7	253.5	0.0	0.0	29.9	0.0	3.4	0.0
07	79.4	46.5	63.0	2.9	2.0	2.3	249.1	190.9	112.0	23.5	0.7	0.0	2.7	6.5	20.6	87.1	0.0	0.1	31.0	0.0	0.0	0.0
08	77.5	45.0	61.3	2.2	1.8	1.8	200.2	145.4	76.2	11.7	0.4	0.0	6.5	13.7	37.5	128.0	0.0	0.0	31.0	0.0	0.2	0.0
09	70.4	37.1	53.8	2.8	2.1	2.2	62.2	36.7	12.6	0.4	0.0	0.0	99.8	134.3	200.2	337.9	0.0	0.0	29.0	0.0	6.9	0.0
10	57.2	26.7	41.9	3.4	3.3	2.8	2.4	0.6	0.1	0.0	0.0	0.0	407.0	467.1	559.6	714.6	0.0	0.0	23.1	1.2	22.2	0.2
11	42.3	17.0	29.6	5.1	3.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0	760.5	820.5	910.5	1060.5	0.0	0.0	7.9	7.0	28.7	2.2
12	31.7	8.4	20.0	2.5	2.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	1083.2	1145.3	1238.3	1393.3	0.0	0.0	0.5	16.5	30.9	7.6
Summary	54.6	25.8	40.2	3.3	2.7	2.8	636	452	237	40	1	0	5990	6536	7416	9044	0.0	0.1	204.3	59.8	222.1	26.0

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	1.37	11.9	5.1	0.2	0.0	0.88	1.30	1.73	
02	1.29	11.1	4.8	0.2	0.0	0.89	1.20	1.57	
03	1.32	9.9	4.6	0.2	0.0	0.96	1.36	1.71	
04	1.82	10.9	5.8	0.9	0.0	1.29	1.59	2.29	
05	1.62	10.2	5.6	0.6	0.0	0.84	1.61	2.11	
06	1.11	6.9	3.3	0.4	0.1	0.44	0.97	1.50	
07	1.62	9.8	5.1	0.6	0.1	0.81	1.49	2.08	
08	1.59	10.8	5.5	0.4	0.0	1.11	1.57	1.94	
09	1.48	9.0	4.8	0.7	0.0	0.87	1.39	1.81	
10	1.26	8.0	4.4	0.4	0.0	0.93	1.19	1.54	
11	1.19	9.4	4.4	0.1	0.0	0.89	1.11	1.59	
12	1.27	10.9	4.1	0.2	0.0	0.86	1.21	1.65	
Summary	16.94	118.8	57.5	4.9	0.2	10.77	15.99	21.52	

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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	26.10	12.0	8.9	3.3	1.2	0.1	30.7	29.5	28.5	19.4	17.60	24.70	32.40
02	21.30	11.0	8.2	2.6	0.8	0.1	28.4	28.1	27.6	20.7	12.70	20.30	27.20
03	16.80	9.0	6.1	2.0	0.6	0.1	26.8	24.5	22.2	16.1	10.90	17.80	22.40
04	15.50	6.9	5.0	2.0	0.8	0.1	9.3	5.1	3.1	1.1	7.80	14.20	21.20
05	4.70	2.3	1.6	0.6	0.2	0.0	1.3	0.6	0.3	0.0	1.00	3.20	7.50
06	0.50	0.3	0.2	0.1	0.0	0.0	0.1	0.1	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	0.60	0.4	0.2	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.10
10	6.90	3.3	2.3	0.8	0.3	0.0	3.3	1.5	0.6	0.0	3.20	4.30	10.00
11	17.40	8.3	5.8	2.2	0.9	0.1	15.0	9.8	6.3	0.8	9.70	16.30	25.70
12	21.40	10.9	7.8	2.6	0.8	0.1	28.4	24.3	19.4	8.1	14.40	17.90	28.70
Summary	131.2	64.4	46.1	16.3	5.6	0.6	143.5	123.6	108.0	66.2	77.3	118.7	175.2

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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	0.2	0.9	16.0	74.2	254.3	501.5	711.2	658.6	418.1	145.4	21.6	0.5
45	0.0	0.1	3.3	24.6	139.8	354.8	556.3	503.7	279.1	63.3	5.1	0.0
50	0.0	0.0	0.1	4.7	57.4	218.5	401.6	349.4	155.4	18.5	0.6	0.0
55	0.0	0.0	0.0	0.4	15.4	106.1	249.1	200.2	62.2	2.4	0.0	0.0
60	0.0	0.0	0.0	0.0	2.1	33.6	112.0	76.2	12.6	0.1	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	1.0	21.8	81.8	200.5	353.5	460.9	429.6	308.7	144.9	29.4	0.9

Growing Degree Units (Accumulated Monthly)												
40	0	1	17	91	346	847	1558	2217	2635	2780	2802	2802
45	0	0	3	28	168	523	1079	1583	1862	1925	1930	1930
50	0	0	0	5	62	281	682	1032	1187	1206	1206	1206
55	0	0	0	0	16	122	371	571	633	636	636	636
60	0	0	0	0	2	36	148	224	236	237	237	237
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	23	105	305	659	1120	1549	1858	2003	2032	2033

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

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