

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 4203 ft. Lat: 38.8575° N Lon: 102.3328° W

Station: CHEYENNE WELLS 2NE, CO US USC00051564

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	44.0	19.6	31.8	3.8	2.9	3.0	0.1	0.0	0.0	0.0	0.0	0.0	719.4	781.3	874.3	1029.2	0.0	0.0	12.1	5.7	30.1	1.3
02	47.0	20.9	33.9	5.7	3.7	4.4	1.4	0.7	0.3	0.1	0.0	0.0	590.5	645.8	729.3	869.2	0.0	0.0	13.4	4.1	25.7	1.2
03	57.1	28.8	43.0	4.1	3.3	3.4	14.4	8.4	3.2	0.4	0.0	0.0	388.1	444.1	531.9	684.1	0.0	0.0	22.9	1.4	22.0	0.3
04	64.7	35.4	50.1	4.0	2.5	3.1	48.2	31.3	14.0	2.4	0.4	0.2	196.6	239.7	312.4	450.8	0.0	0.1	26.7	0.4	11.1	0.0
05	74.0	45.7	59.9	3.8	2.5	2.9	203.1	160.6	105.9	41.9	10.6	5.2	52.8	72.2	110.5	201.5	0.1	2.9	30.0	0.0	1.6	0.0
06	85.7	55.3	70.5	4.3	2.3	3.0	466.7	407.9	322.0	190.4	87.2	57.9	1.8	3.1	7.2	25.6	1.7	12.7	29.9	0.0	0.0	0.0
07	90.6	61.1	75.8	2.9	2.1	2.4	646.2	584.2	491.5	339.4	196.1	145.2	0.0	0.0	0.4	3.3	4.5	20.1	31.0	0.0	0.0	0.0
08	88.2	59.8	74.0	3.4	1.9	2.4	588.9	527.0	434.5	284.5	149.5	104.4	0.0	0.1	0.6	5.6	2.0	16.5	31.0	0.0	0.0	0.0
09	81.6	51.9	66.7	3.6	2.5	2.8	364.6	310.5	234.2	126.6	51.6	31.1	12.3	18.2	31.9	74.3	0.2	8.1	29.8	0.0	0.4	0.0
10	67.3	38.8	53.1	4.2	2.7	3.2	92.0	67.2	38.3	10.2	1.3	0.3	152.4	189.6	253.6	380.6	0.0	1.1	28.4	0.4	7.5	0.0
11	54.1	28.1	41.1	5.6	3.2	4.2	9.4	5.0	1.5	0.2	0.0	0.0	426.4	482.0	568.5	717.2	0.0	0.0	19.8	1.7	22.0	0.1
12	44.2	20.0	32.1	4.1	2.8	3.1	0.3	0.1	0.0	0.0	0.0	0.0	709.8	771.7	864.5	1019.6	0.0	0.0	12.2	4.8	29.7	1.5
Summary	66.5	38.8	52.7	4.1	2.7	3.2	2435	2103	1645	996	497	344	3250	3648	4285	5461	8.5	61.5	287.2	18.5	150.1	4.4

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	0.22	1.9	0.7	0.0	0.0	0.05	0.15	0.38	
02	0.38	2.7	1.3	0.1	0.0	0.15	0.37	0.57	
03	0.68	3.7	2.1	0.2	0.0	0.19	0.56	0.94	
04	1.40	5.1	3.3	0.9	0.2	0.41	1.29	2.04	
05	2.09	7.2	4.5	1.4	0.5	0.93	1.61	2.90	
06	2.24	7.0	5.1	1.6	0.5	1.40	2.09	2.92	
07	3.72	7.7	5.8	2.5	1.1	2.02	3.17	4.70	
08	2.65	6.9	4.9	1.8	0.6	1.36	2.51	3.75	
09	1.15	4.1	2.6	0.6	0.2	0.52	0.81	1.47	
10	1.15	4.0	2.7	0.9	0.2	0.31	0.46	2.02	
11	0.39	2.6	1.0	0.1	0.1	0.08	0.17	0.53	
12	0.29	2.6	0.8	0.1	0.0	0.05	0.17	0.33	
Summary	16.36	55.5	34.8	10.2	3.4	7.47	13.36	22.55	

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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	2.90	1.7	1.3	0.4	0.0	0.0	4.5	1.7	0.4	0.0	0.70	2.50	3.70
02	4.10	2.4	1.6	0.4	0.1	0.0	3.9	1.1	0.6	0.0	0.90	3.60	6.00
03	2.90	1.6	1.3	0.4	0.0	0.0	1.4	0.4	0.1	0.0	0.60	1.80	4.00
04	2.40	1.3	1.1	0.5	0.2	0.0	0.8	0.3	0.0	0.0	0.00	1.40	4.00
05	0.20	0.1	0.1	0.0	0.0	0.0	0.0	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	0.20	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	1.10	0.6	0.6	0.1	0.0	0.0	0.5	0.3	0.2	0.0	0.00	0.00	1.40
11	2.60	1.2	1.0	0.2	0.1	0.0	2.0	0.9	0.1	0.0	0.40	1.60	3.80
12	3.10	2.0	1.5	0.4	0.1	0.0	4.9	0.9	0.4	0.1	0.80	2.00	4.40
Summary	19.5	11.0	8.5	2.4	0.5	0.0	18.0	5.6	1.8	0.1	3.4	12.9	27.3

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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	32.0	51.5	183.5	325.6	616.3	914.9	1111.2	1053.9	802.6	423.2	144.7	33.1
45	8.8	20.0	99.6	206.1	465.9	764.9	956.1	898.9	653.7	289.4	76.4	10.4
50	1.6	6.0	43.5	111.8	325.9	615.4	801.0	743.8	506.7	176.4	32.5	2.2
55	0.1	1.4	14.4	48.2	203.1	466.7	646.2	588.9	364.6	92.0	9.4	0.3
60	0.0	0.3	3.2	14.0	105.9	322.0	491.5	434.5	234.2	38.3	1.5	0.0
Growing Degree Units for Corn (Monthly)												
50/86	40.6	59.3	155.1	236.1	384.6	573.5	709.2	677.2	503.8	282.8	118.9	40.6

Growing Degree Units (Accumulated Monthly)												
40	32	84	267	593	1209	2124	3235	4289	5092	5515	5659	5692
45	9	29	128	334	800	1565	2521	3420	4074	4363	4440	4450
50	2	8	51	163	489	1104	1905	2649	3156	3332	3365	3367
55	0	2	16	64	267	734	1380	1969	2334	2426	2435	2435
60	0	0	4	18	123	445	937	1371	1606	1644	1645	1645
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	41	100	255	491	876	1449	2158	2836	3339	3622	3741	3782

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