

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 4415 ft. Lat: 43.8497° N Lon: 104.1886° W
Station: NEWCASTLE, WY US USC00486660

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	34.6	14.2	24.4	3.8	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	948.6	1010.6	1103.6	1258.6	0.0	0.0	3.0	10.4	30.6	4.7
02	37.6	16.2	26.9	6.3	5.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	786.6	842.6	926.6	1066.6	0.0	0.0	5.5	8.5	27.0	3.8
03	48.3	25.5	36.9	5.1	3.8	4.3	3.1	1.5	0.2	0.0	0.0	0.0	564.4	624.7	716.4	871.3	0.0	0.0	16.4	3.2	24.2	0.8
04	57.0	33.3	45.2	3.3	3.0	3.0	23.5	14.9	6.5	1.0	0.1	0.0	318.9	370.3	451.9	596.5	0.0	0.0	22.3	0.8	14.7	0.0
05	66.3	43.3	54.8	4.6	2.3	3.3	118.2	89.2	54.0	17.6	3.1	1.3	124.3	157.4	215.3	333.8	0.0	0.7	28.3	0.0	4.2	0.0
06	77.6	53.0	65.3	4.3	2.7	3.3	323.3	271.4	198.9	100.8	39.0	24.0	14.4	22.4	39.9	91.8	0.4	3.7	29.8	0.0	0.0	0.0
07	86.6	60.2	73.4	4.4	3.0	3.6	570.5	509.0	417.7	272.9	148.1	107.4	0.4	0.8	2.5	12.7	1.8	13.7	31.0	0.0	0.0	0.0
08	85.6	58.5	72.1	3.3	2.5	2.7	530.8	470.3	381.6	241.2	120.9	83.5	2.4	3.9	8.2	22.8	0.6	12.6	31.0	0.0	0.0	0.0
09	75.1	49.0	62.0	3.4	2.7	2.9	257.0	212.7	152.8	74.5	26.0	15.3	45.6	61.4	91.5	163.2	0.1	3.5	29.2	0.0	1.1	0.0
10	58.9	35.5	47.2	5.0	3.2	4.0	41.4	28.0	14.3	3.1	0.4	0.1	283.0	331.7	411.1	554.8	0.0	0.1	24.1	1.0	11.2	0.0
11	45.0	24.2	34.6	5.5	4.0	4.6	2.0	0.7	0.1	0.0	0.0	0.0	614.0	672.7	762.1	912.0	0.0	0.0	11.7	4.4	24.7	0.9
12	34.6	15.0	24.8	4.5	4.7	4.5	0.0	0.0	0.0	0.0	0.0	0.0	935.9	997.9	1090.9	1245.9	0.0	0.0	3.1	11.3	30.6	3.8
Summary	58.9	35.7	47.3	4.5	3.5	3.8	1870	1598	1226	711	338	232	4638	5096	5820	7130	2.9	34.3	235.4	39.6	168.3	14.0

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	0.51	5.9	1.9	0.0	0.0	0.22	0.53	0.75	
02	0.67	6.3	2.4	0.1	0.0	0.40	0.57	0.88	
03	0.77	6.3	3.0	0.2	0.0	0.35	0.68	1.08	
04	1.70	8.1	4.7	0.9	0.1	1.19	1.68	2.24	
05	2.90	10.6	6.2	1.8	0.4	1.50	2.60	3.70	
06	2.68	10.6	6.2	1.5	0.3	1.36	2.31	3.36	
07	2.54	8.9	5.4	1.7	0.4	1.46	2.24	3.41	
08	1.82	6.9	3.7	1.1	0.3	0.91	1.77	2.50	
09	1.20	6.4	3.3	0.6	0.1	0.64	1.06	1.60	
10	1.24	6.8	3.7	0.5	0.1	0.57	1.07	1.52	
11	0.59	5.3	2.3	0.1	0.0	0.35	0.54	0.81	
12	0.54	5.8	1.9	0.1	0.0	0.19	0.38	0.74	
Summary	17.16	87.9	44.7	8.6	1.7	9.14	15.43	22.59	

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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	6.80	4.0	3.0	0.7	0.2	0.0	16.7	9.8	5.9	0.6	2.70	6.50	9.70
02	7.70	4.1	3.4	0.9	0.4	0.0	13.3	8.7	5.4	1.9	4.00	6.10	9.80
03	4.90	2.6	2.4	0.8	0.1	0.0	6.7	3.7	2.1	0.2	2.00	4.50	7.70
04	5.00	1.9	1.8	0.8	0.2	0.0	2.3	1.4	0.7	0.1	0.20	5.00	6.00
05	0.60	0.2	0.2	0.1	0.0	0.0	0.1	0.1	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	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
10	1.40	0.9	0.7	0.3	0.1	0.0	1.2	0.5	0.2	0.0	0.00	0.00	2.30
11	5.50	2.5	2.1	0.9	0.1	0.0	6.6	3.7	1.2	0.0	2.00	4.60	9.00
12	6.80	3.7	3.1	0.7	0.3	0.0	12.4	5.8	2.8	0.2	2.00	6.10	9.60
Summary	38.9	20.0	16.8	5.2	1.4	0.0	59.4	33.7	18.3	3.0	12.9	32.8	54.1

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	3.8	15.0	89.2	212.2	466.3	758.9	1035.0	993.2	663.2	279.2	67.8	5.4
45	0.1	3.6	39.3	121.0	329.4	609.5	880.0	838.3	519.1	173.4	29.9	0.6
50	0.0	0.5	13.4	59.3	210.2	462.6	725.1	684.0	381.4	94.4	10.4	0.0
55	0.0	0.0	3.1	23.5	118.2	323.3	570.5	530.8	257.0	41.4	2.0	0.0
60	0.0	0.0	0.2	6.5	54.0	198.9	417.7	381.6	152.8	14.3	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	3.5	14.1	68.9	140.3	274.8	471.0	673.1	644.0	413.3	175.4	48.6	4.8

Growing Degree Units (Accumulated Monthly)												
40	4	19	108	320	786	1545	2580	3574	4237	4516	4584	4589
45	0	4	43	164	493	1103	1983	2821	3340	3514	3544	3544
50	0	0	14	73	283	746	1471	2155	2536	2631	2641	2641
55	0	0	3	27	145	468	1039	1569	1826	1868	1870	1870
60	0	0	0	7	61	260	677	1059	1212	1226	1226	1226
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	4	18	86	227	502	973	1646	2290	2703	2878	2927	2932

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