

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 2504 ft. Lat: 41.4083° N Lon: 99.6750° W

Station: **BROKEN BOW 2 W, NE US USC00251200**

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	36.9	11.5	24.2	5.5	4.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0	954.7	1016.7	1109.7	1264.7	0.0	0.0	6.3	11.6	30.7	6.0
02	40.0	14.2	27.1	7.3	5.3	6.1	0.1	0.0	0.0	0.0	0.0	0.0	781.2	837.1	921.1	1061.1	0.0	0.0	7.8	9.7	27.4	3.9
03	51.0	22.8	36.9	5.5	3.9	4.3	5.2	3.0	1.3	0.2	0.0	0.0	566.4	626.1	717.4	871.4	0.0	0.0	16.8	3.9	26.5	0.8
04	60.1	32.0	46.1	3.7	3.3	3.1	28.0	18.7	9.8	2.3	0.3	0.1	296.4	347.2	428.3	570.8	0.0	0.0	22.8	0.9	15.2	0.0
05	69.9	43.6	56.7	3.7	2.9	2.9	145.4	112.1	71.7	27.0	7.1	3.6	91.2	119.9	172.4	282.8	0.0	0.6	29.5	0.0	4.0	0.0
06	80.5	55.1	67.8	3.7	2.6	2.9	389.3	333.3	253.4	138.7	59.2	38.4	5.4	9.4	19.5	54.8	0.1	4.2	29.9	0.0	0.0	0.0
07	86.1	60.1	73.1	3.7	2.5	2.8	561.1	499.2	407.2	260.2	132.8	92.2	0.1	0.2	1.2	9.2	0.8	9.3	31.0	0.0	0.0	0.0
08	84.4	57.7	71.0	2.9	2.7	2.4	498.4	437.4	347.3	207.1	94.4	61.8	0.9	1.9	4.8	19.6	0.2	6.6	31.0	0.0	0.0	0.0
09	77.1	47.7	62.4	3.5	3.7	3.2	255.0	210.2	151.0	75.6	27.3	15.5	33.1	48.3	79.1	153.7	0.0	2.8	29.5	0.0	1.7	0.0
10	63.9	33.9	48.9	4.2	2.7	3.1	49.0	33.8	18.1	4.9	0.6	0.2	238.0	284.9	362.2	504.0	0.0	0.3	26.4	0.6	13.7	0.0
11	50.1	21.6	35.8	6.0	3.6	4.5	3.8	2.1	0.7	0.1	0.0	0.0	578.3	636.6	725.2	874.5	0.0	0.0	15.1	4.4	27.0	0.9
12	39.0	13.4	26.2	4.6	3.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	892.7	954.7	1047.6	1202.6	0.0	0.0	6.6	10.8	30.7	4.4
Summary	61.6	34.5	48.0	4.5	3.4	3.6	1935	1650	1260	716	322	212	4438	4883	5588	6869	1.1	23.8	252.7	41.9	176.9	16.0

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	0.32	3.7	1.0	0.0	0.0	0.13	0.25	0.44	
02	0.47	4.9	1.8	0.1	0.0	0.31	0.44	0.58	
03	1.29	6.6	2.9	0.9	0.3	0.31	1.14	2.06	
04	2.52	9.5	5.2	1.5	0.5	1.45	2.19	3.28	
05	4.03	10.9	7.0	2.9	1.1	2.29	3.74	5.42	
06	3.73	10.5	7.0	2.5	0.9	2.07	3.24	5.17	
07	3.12	8.7	5.9	2.2	0.7	1.52	3.07	4.12	
08	2.48	7.3	4.5	1.9	0.6	1.04	1.87	3.37	
09	2.03	6.1	3.7	1.3	0.5	0.74	2.23	2.84	
10	1.83	6.7	4.1	1.2	0.3	0.65	1.58	2.43	
11	0.72	4.6	2.0	0.4	0.1	0.20	0.51	1.06	
12	0.50	3.7	1.4	0.2	0.0	0.10	0.34	0.65	
Summary	23.04	83.2	46.5	15.1	5.0	10.81	20.60	31.42	

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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	4.40	2.4	1.4	0.7	0.2	0.1					1.00	2.50	6.80
02	7.00	3.2	2.3	1.0	0.4	0.0					2.80	8.00	9.20
03	3.80	1.4	1.0	0.5	0.2	0.0					0.00	0.80	5.60
04	2.80	0.8	0.7	0.4	0.1	0.0					0.00	0.00	5.90
05	0.10	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					0.00	0.00	0.00
07	0.00	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					0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
10	2.00	0.7	0.7	0.4	0.1	0.0					0.00	0.00	1.50
11	3.70	1.5	1.2	0.5	0.3	0.1					0.50	2.50	5.00
12	5.70	2.3	1.9	0.9	0.3	0.1					1.30	3.80	9.50
Summary	29.5	12.3	9.2	4.4	1.6	0.3	0.0	0.0	0.0	0.0	5.6	17.6	43.5

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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	7.2	21.5	97.5	233.8	521.7	833.8	1025.9	962.3	672.6	312.9	79.0	10.4
45	1.1	6.7	46.9	136.3	376.2	684.0	870.9	807.4	525.6	197.8	36.0	2.5
50	0.0	1.5	18.0	67.0	248.2	535.1	715.9	652.6	383.5	109.5	13.5	0.4
55	0.0	0.1	5.2	28.0	145.4	389.3	561.1	498.4	255.0	49.0	3.8	0.0
60	0.0	0.0	1.3	9.8	71.7	253.4	407.2	347.3	151.0	18.1	0.7	0.0
Growing Degree Units for Corn (Monthly)												
50/86	19.8	33.1	104.8	180.4	324.6	528.6	671.8	627.0	435.7	234.6	90.3	22.2

Growing Degree Units (Accumulated Monthly)												
40	7	29	126	360	882	1716	2741	3704	4376	4689	4768	4779
45	1	8	55	191	567	1251	2122	2930	3455	3653	3689	3691
50	0	2	20	86	335	870	1586	2238	2622	2731	2745	2745
55	0	0	5	33	179	568	1129	1628	1882	1932	1935	1935
60	0	0	1	11	83	336	743	1091	1242	1260	1260	1260
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	20	53	158	338	663	1191	1863	2490	2926	3160	3251	3273

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