

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 4320 ft. Lat: 41.2294° N Lon: 103.0214° W

Station: **SIDNEY 6 NNW, NE US USC00257830**

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	40.8	16.8	28.8	4.4	3.2	3.6	0.7	0.5	0.3	0.1	0.0	0.0	812.9	874.7	967.5	1122.3	0.0	0.0	7.1	8.3	30.1	3.4
02	42.8	18.6	30.7	5.8	4.9	5.2	0.6	0.2	0.0	0.0	0.0	0.0	680.5	736.2	820.1	960.2	0.0	0.0	8.9	6.6	26.8	1.9
03	52.6	26.1	39.3	5.1	3.1	3.8	5.3	2.5	0.6	0.0	0.0	0.0	490.7	549.8	640.9	795.3	0.0	0.0	18.2	2.8	25.5	0.7
04	59.5	33.0	46.3	4.0	2.7	3.0	23.8	14.2	5.7	1.1	0.2	0.1	286.1	336.5	418.1	563.5	0.0	0.0	23.0	1.0	15.5	0.0
05	69.0	43.2	56.1	4.2	1.9	2.8	131.4	98.8	59.7	19.6	3.8	1.6	97.2	126.7	180.6	295.5	0.0	0.6	28.7	0.1	3.3	0.0
06	81.2	53.1	67.2	4.0	2.4	3.0	372.2	316.5	237.4	125.8	48.7	29.2	7.9	12.2	23.0	61.4	0.4	5.4	29.9	0.0	0.0	0.0
07	88.4	59.4	73.9	3.2	2.1	2.5	585.5	523.9	432.1	282.3	149.3	105.4	0.2	0.5	1.4	6.6	1.8	14.7	31.0	0.0	0.0	0.0
08	86.0	57.2	71.6	3.5	2.1	2.6	515.7	454.8	365.5	222.9	103.2	67.2	1.3	2.4	6.0	18.4	0.8	11.1	31.0	0.0	0.0	0.0
09	78.0	48.2	63.1	3.8	2.2	2.8	276.2	228.8	164.3	78.2	25.8	14.0	33.5	46.1	71.5	135.3	0.1	4.3	29.3	0.0	1.2	0.0
10	63.5	35.2	49.3	4.5	2.8	3.4	54.0	36.8	18.8	4.8	0.6	0.2	228.9	273.8	348.9	489.9	0.0	0.2	25.8	0.8	12.1	0.1
11	50.8	24.7	37.7	5.8	2.8	4.1	4.5	2.3	0.6	0.0	0.0	0.0	522.0	579.8	668.1	817.5	0.0	0.0	15.7	3.8	25.4	0.6
12	41.4	17.2	29.3	4.5	3.1	3.5	0.7	0.5	0.3	0.1	0.0	0.0	796.9	858.7	951.7	1106.6	0.0	0.0	8.6	8.0	30.0	2.3
Summary	62.8	36.1	49.4	4.4	2.8	3.4	1971	1680	1285	735	332	218	3958	4397	5098	6372	3.1	36.3	257.2	31.4	169.9	9.0

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	0.30	2.4	1.2	0.1	0.0	0.14	0.26	0.48	
02	0.50	3.5	1.9	0.1	0.0	0.29	0.43	0.67	
03	0.95	4.4	2.7	0.5	0.1	0.41	0.54	1.40	
04	1.88	5.9	3.9	1.3	0.4	0.94	1.93	2.54	
05	3.00	8.6	6.3	2.2	0.6	1.71	2.42	3.66	
06	3.15	8.4	6.3	2.1	0.8	1.71	2.97	3.98	
07	2.60	7.3	5.1	1.9	0.7	1.40	2.57	3.62	
08	2.11	5.9	4.3	1.4	0.4	1.34	2.04	2.93	
09	1.65	5.0	3.7	1.0	0.3	0.78	1.13	1.96	
10	1.15	4.5	2.9	0.8	0.1	0.65	1.04	1.47	
11	0.51	2.6	1.7	0.1	0.0	0.22	0.47	0.74	
12	0.44	2.2	1.4	0.2	0.0	0.12	0.26	0.67	
Summary	18.24	60.7	41.4	11.7	3.4	9.71	16.06	24.12	

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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

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	3.80	2.0	1.6	0.4	0.1	0.0					1.00	4.00	6.00
02	4.90	2.4	2.0	0.5	0.2	0.0					2.00	4.00	6.70
03	4.30	1.7	1.5	0.3	0.2	0.0					1.80	3.50	5.80
04	3.20	1.0	1.0	0.5	0.1	0.0					0.00	2.50	3.80
05	0.70	0.2	0.2	0.1	0.1	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	0.10	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
10	2.40	0.8	0.7	0.4	0.1	0.0					0.00	0.00	3.20
11	3.70	1.5	1.2	0.6	0.1	0.0					2.00	3.50	5.40
12	5.70	1.9	1.7	0.9	0.3	0.0					0.80	4.00	9.30
Summary	28.8	11.5	9.9	3.7	1.2	0.0	0.0	0.0	0.0	0.0	7.6	21.5	40.2

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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	18.0	29.4	123.1	237.3	502.5	814.4	1050.6	979.5	694.6	327.3	103.7	24.0
45	6.0	10.0	58.7	137.1	359.1	664.7	895.5	824.5	547.9	210.1	49.6	7.0
50	2.0	2.7	22.3	65.7	233.2	516.3	740.5	669.8	406.4	117.0	17.9	2.0
55	0.7	0.6	5.3	23.8	131.4	372.2	585.5	515.7	276.2	54.0	4.5	0.7
60	0.3	0.0	0.6	5.7	59.7	237.4	432.1	365.5	164.3	18.8	0.6	0.3
Growing Degree Units for Corn (Monthly)												
50/86	24.6	35.2	110.9	173.5	305.7	506.7	670.4	623.0	433.9	231.9	99.2	30.2

Growing Degree Units (Accumulated Monthly)												
40	18	47	170	408	910	1725	2775	3755	4449	4777	4880	4904
45	6	16	75	212	571	1236	2131	2956	3504	3714	3763	3770
50	2	5	27	93	326	842	1583	2252	2659	2776	2794	2796
55	1	1	7	30	162	534	1120	1635	1911	1965	1970	1971
60	0	0	1	7	66	304	736	1101	1266	1284	1285	1285
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	25	60	171	344	650	1157	1827	2450	2884	3116	3215	3245

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

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