

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 650 ft. Lat: 40.3444° N Lon: 91.1125° W

Station: BENTLEY, IL US USC00110598

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	33.9	17.7	25.8	4.5	5.3	4.8	0.2	0.1	0.0	0.0	0.0	0.0	905.2	966.9	1059.7	1214.8	0.0	0.0	3.9	12.7	28.4	3.7
02	38.9	21.7	30.3	6.0	5.9	5.9	1.2	0.5	0.1	0.0	0.0	0.0	692.7	747.9	831.5	971.4	0.0	0.0	5.9	7.6	24.5	1.8
03	50.9	31.9	41.4	5.2	4.4	4.7	22.2	15.5	8.3	2.1	0.2	0.0	443.9	499.1	585.0	733.8	0.0	0.0	16.6	2.0	18.7	0.2
04	63.4	42.1	52.8	4.1	3.1	3.5	91.1	68.0	41.7	15.7	3.3	1.2	158.6	195.5	259.2	383.2	0.0	0.0	26.5	0.0	5.6	0.0
05	73.7	53.4	63.6	3.3	3.2	3.1	287.0	238.4	173.4	89.4	34.2	20.8	22.0	35.3	63.4	134.4	0.0	1.1	31.0	0.0	0.2	0.0
06	83.0	63.2	73.1	2.3	1.8	1.9	543.1	483.4	395.0	254.5	134.7	96.0	0.2	0.6	2.2	11.7	0.0	6.2	30.0	0.0	0.0	0.0
07	86.3	66.5	76.4	2.9	2.5	2.5	663.3	601.3	508.3	354.7	210.1	158.3	0.0	0.0	0.1	1.4	0.4	11.0	31.0	0.0	0.0	0.0
08	84.9	63.8	74.3	2.8	3.0	2.7	599.8	537.7	445.1	293.5	157.4	112.5	0.0	0.0	0.4	3.8	0.5	8.0	31.0	0.0	0.0	0.0
09	78.8	55.5	67.2	3.3	3.1	3.0	372.7	317.8	241.1	135.2	61.4	41.6	8.3	13.5	26.8	70.9	0.2	4.4	30.0	0.0	0.1	0.0
10	66.0	44.1	55.1	3.2	2.4	2.6	124.6	95.8	61.4	23.9	7.4	4.5	123.1	156.3	214.9	332.3	0.0	0.4	28.4	0.0	4.1	0.0
11	51.3	32.8	42.0	5.6	4.3	4.8	18.6	12.3	5.8	0.9	0.1	0.0	407.1	460.7	544.3	689.3	0.0	0.0	16.9	1.4	17.0	0.0
12	39.1	23.6	31.3	4.8	5.0	4.7	1.1	0.6	0.1	0.0	0.0	0.0	734.1	795.6	888.0	1043.0	0.0	0.0	6.2	8.6	25.8	1.6
Summary	62.5	43.0	52.8	4.0	3.7	3.7	2725	2371	1880	1170	609	435	3495	3871	4476	5590	1.1	31.1	257.4	32.3	124.4	7.3

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	1.67	7.5	3.9	0.9	0.4	0.81	1.59	2.45
02	1.98	7.2	4.3	1.2	0.4	1.13	1.71	2.54
03	2.57	8.6	5.4	1.7	0.6	1.30	2.29	3.18
04	4.11	11.3	7.3	2.7	1.0	2.95	3.83	5.30
05	5.28	12.4	8.4	3.6	1.3	2.67	4.44	7.37
06	4.85	10.3	7.0	3.3	1.4	2.33	3.94	7.38
07	4.29	9.3	6.2	2.5	1.1	2.01	3.13	5.84
08	4.19	8.0	5.1	2.5	1.3	2.18	4.43	5.95
09	3.67	7.4	4.9	2.4	1.0	1.70	3.10	5.31
10	3.16	8.3	5.1	1.9	1.0	2.03	2.64	4.35
11	2.45	8.2	5.0	1.9	0.5	1.45	2.11	3.38
12	1.89	7.6	4.0	1.1	0.4	1.17	1.65	2.31
Summary	40.11	106.1	66.6	25.7	10.4	21.73	34.86	55.36

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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	7.60	4.3	2.9	0.8	0.2	0.0	14.8	7.8	3.7	1.0	4.90	7.70	10.00
02	6.30	3.5	2.3	0.8	0.3	0.0	7.8	4.5	2.6	0.8	1.60	4.20	9.00
03	2.10	1.3	0.8	0.2	0.1	0.0	2.3	1.1	0.5	0.1	0.10	1.70	2.40
04	0.40	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
05	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
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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.10	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	1.40	0.7	0.4	0.2	0.1	0.0	0.9	0.5	0.2	0.0	0.00	0.00	2.00
12	5.20	2.9	2.0	0.8	0.1	0.0	6.1	3.0	0.8	0.2	1.00	3.00	8.80
Summary	23.1	13.0	8.6	2.9	0.8	0.0	32.0	16.9	7.8	2.1	7.6	16.6	32.2

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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	16.6	34.8	157.2	397.1	730.0	992.8	1128.3	1064.7	814.4	472.6	160.7	37.9
45	4.6	14.4	88.7	271.8	575.7	842.7	973.2	909.6	664.8	333.7	88.6	13.8
50	0.9	4.9	47.2	168.2	424.7	692.8	818.3	754.7	516.5	215.9	44.3	4.2
55	0.2	1.2	22.2	91.1	287.0	543.1	663.3	599.8	372.7	124.6	18.6	1.1
60	0.0	0.1	8.3	41.7	173.4	395.0	508.3	445.1	241.1	61.4	5.8	0.1
Growing Degree Units for Corn (Monthly)												
50/86	9.4	21.6	92.9	229.9	447.1	671.3	778.6	724.3	521.4	277.7	89.5	18.4
Growing Degree Units (Accumulated Monthly)												
40	17	51	209	606	1336	2328	3457	4522	5336	5808	5969	6007
45	5	19	108	380	955	1798	2771	3681	4346	4679	4768	4782
50	1	6	53	221	646	1339	2157	2912	3428	3644	3688	3693
55	0	1	24	115	402	945	1608	2208	2581	2705	2724	2725
60	0	0	8	50	224	618	1127	1572	1813	1874	1880	1880
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	9	31	124	354	801	1472	2251	2975	3497	3774	3864	3882

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