

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 692 ft. Lat: 40.7833° N Lon: 91.1253° W
Station: BURLINGTON MUNI AP, IA US USW00014931

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	32.3	16.4	24.3	4.8	5.3	4.9	0.0	0.0	0.0	0.0	0.0	0.0	950.0	1012.0	1104.8	1259.9	0.0	0.0	2.9	14.6	28.0	4.4
02	37.2	20.5	28.8	6.1	6.4	6.1	1.0	0.5	0.1	0.0	0.0	0.0	733.1	788.6	872.1	1012.0	0.0	0.0	4.6	9.6	23.8	1.8
03	50.2	31.1	40.7	5.0	4.4	4.6	20.8	14.7	7.9	2.1	0.1	0.0	465.7	521.6	607.8	757.0	0.0	0.0	16.0	2.1	17.6	0.3
04	62.8	41.9	52.3	3.6	3.1	3.2	80.7	59.8	35.4	11.2	2.0	0.7	160.2	199.3	265.0	390.7	0.0	0.0	26.4	0.0	4.4	0.0
05	73.1	52.9	63.0	3.3	3.1	3.1	273.0	225.0	161.1	80.0	29.6	17.3	25.0	39.0	68.2	142.1	0.0	0.9	30.9	0.0	0.2	0.0
06	82.3	62.6	72.5	2.0	1.7	1.7	523.7	464.0	375.8	237.6	121.1	83.8	0.3	0.6	2.5	14.2	0.0	5.1	30.0	0.0	0.0	0.0
07	85.2	66.0	75.6	3.2	2.6	2.7	638.5	576.5	483.5	330.1	186.6	137.5	0.0	0.0	0.0	1.6	0.4	8.2	31.0	0.0	0.0	0.0
08	83.5	64.0	73.8	2.7	3.0	2.6	581.2	519.2	426.5	275.4	143.0	100.5	0.0	0.0	0.4	4.3	0.1	6.2	31.0	0.0	0.0	0.0
09	77.5	55.8	66.7	3.3	3.0	2.9	359.5	305.6	230.2	126.8	55.1	36.2	10.1	16.2	30.9	77.4	0.1	2.5	30.0	0.0	0.1	0.0
10	64.5	44.0	54.2	3.2	2.6	2.7	109.9	83.2	52.2	19.2	5.1	2.9	133.2	168.5	230.5	352.5	0.0	0.2	28.0	0.0	3.5	0.0
11	49.8	32.3	41.0	5.7	4.5	4.9	14.3	9.0	4.2	0.6	0.0	0.0	432.7	487.5	572.7	719.1	0.0	0.0	15.8	2.1	15.2	0.0
12	37.4	22.3	29.9	4.8	5.0	4.8	1.0	0.7	0.2	0.0	0.0	0.0	780.6	842.2	934.6	1089.5	0.0	0.0	4.7	9.7	25.6	1.2
Summary	61.3	42.5	51.9	4.0	3.7	3.7	2604	2258	1777	1083	543	379	3691	4076	4690	5820	0.6	23.1	251.3	38.1	118.4	7.7

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	1.45	8.0	3.9	0.8	0.2	0.88	1.34	2.10
02	1.69	8.2	3.6	0.8	0.3	0.86	1.34	2.14
03	2.43	9.9	5.4	1.5	0.4	1.34	1.91	3.34
04	3.92	11.8	7.3	2.8	0.8	2.89	3.72	4.76
05	4.93	13.2	8.3	3.4	1.2	2.97	4.08	5.43
06	4.87	11.4	7.1	3.3	1.5	2.29	4.13	7.40
07	4.02	9.8	6.0	2.9	1.2	2.43	3.17	5.30
08	3.77	9.1	6.1	2.4	1.1	2.44	3.56	4.92
09	3.53	7.5	5.0	2.4	1.2	1.38	3.49	4.75
10	3.09	9.3	5.2	2.0	0.8	1.78	2.38	3.51
11	2.29	8.0	4.8	1.7	0.4	1.30	1.74	3.05
12	1.87	7.5	3.8	1.3	0.5	0.98	1.79	2.52
Summary	37.86	113.7	66.5	25.3	9.6	21.54	32.65	49.22

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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	10.3	28.5	145.0	385.0	713.0	973.3	1103.5	1046.1	799.4	450.5	145.5	26.7
45	2.4	12.3	81.6	258.8	558.6	823.3	948.5	891.1	649.8	313.9	78.5	9.2
50	0.3	4.4	43.2	154.9	408.3	673.3	793.5	736.1	502.0	198.6	36.9	2.9
55	0.0	1.0	20.8	80.7	273.0	523.7	638.5	581.2	359.5	109.9	14.3	1.0
60	0.0	0.1	7.9	35.4	161.1	375.8	483.5	426.5	230.2	52.2	4.2	0.2
Growing Degree Units for Corn (Monthly)												
50/86	5.7	16.8	86.6	219.0	433.3	656.9	762.7	715.5	510.4	258.4	77.0	13.1

Growing Degree Units (Accumulated Monthly)												
40	10	39	184	569	1282	2255	3359	4405	5204	5655	5800	5827
45	2	15	96	355	914	1737	2686	3577	4226	4540	4619	4628
50	0	5	48	203	611	1284	2078	2814	3316	3515	3552	3554
55	0	1	22	102	376	899	1538	2119	2478	2588	2603	2604
60	0	0	8	43	204	580	1064	1490	1720	1773	1777	1777
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	6	22	109	328	761	1418	2181	2896	3407	3665	3742	3755

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