

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 1170 ft. Lat: 43.2794° N Lon: 92.8106° W

Station: OSAGE, IA US USC00136305

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	23.2	6.2	14.7	5.1	5.8	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1249.0	1311.0	1404.0	1559.1	0.0	0.0	0.4	23.1	30.9	10.8
02	27.9	10.3	19.1	6.4	7.1	6.7	0.0	0.0	0.0	0.0	0.0	0.0	1005.1	1061.0	1145.0	1285.1	0.0	0.0	0.9	16.6	26.9	6.9
03	40.9	22.9	31.9	5.7	5.0	5.3	4.4	3.0	1.5	0.3	0.0	0.0	720.6	781.1	872.6	1026.4	0.0	0.0	7.7	7.3	24.7	1.5
04	56.1	35.0	45.5	4.4	3.4	3.8	27.3	18.6	9.7	2.5	0.4	0.2	310.9	362.1	443.2	586.0	0.0	0.0	20.9	0.7	10.5	0.0
05	68.2	47.4	57.8	3.6	3.2	3.2	160.5	124.8	80.8	33.0	9.4	5.0	73.8	100.1	149.0	256.3	0.0	0.5	29.7	0.0	0.9	0.0
06	78.0	58.1	68.0	2.4	2.3	2.2	394.7	337.8	256.0	136.2	52.7	32.2	3.3	6.4	14.7	44.8	0.0	1.8	30.0	0.0	0.0	0.0
07	81.4	61.7	71.6	3.2	2.5	2.8	513.0	451.2	359.3	212.0	91.5	58.0	0.0	0.2	1.4	9.0	0.0	3.1	31.0	0.0	0.0	0.0
08	79.1	59.0	69.1	2.7	2.5	2.4	435.9	374.6	284.2	148.3	52.9	29.8	0.5	1.1	3.8	22.8	0.0	1.3	31.0	0.0	0.0	0.0
09	73.0	50.3	61.7	3.5	3.2	3.1	231.3	186.5	127.7	55.4	16.8	9.1	32.0	47.2	78.3	156.0	0.0	0.7	29.8	0.0	0.3	0.0
10	59.6	37.6	48.6	3.8	2.6	3.0	49.1	34.2	19.1	5.5	1.1	0.5	247.6	294.7	372.5	514.0	0.0	0.0	24.7	0.2	9.0	0.0
11	42.7	25.0	33.9	6.8	4.8	5.7	2.0	0.8	0.1	0.0	0.0	0.0	636.5	695.2	784.6	934.5	0.0	0.0	8.6	6.3	22.5	0.2
12	29.2	13.6	21.4	5.5	5.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1041.5	1103.5	1196.5	1351.5	0.0	0.0	0.9	17.4	30.1	5.2
Summary	54.9	35.6	45.3	4.4	4.0	4.1	1818	1532	1138	593	225	135	5321	5764	6466	7746	0.0	7.4	215.6	71.6	155.8	24.6

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	1.17	5.3	3.3	0.4	0.0	0.79	0.95	1.46	
02	1.25	4.8	3.1	0.6	0.2	0.99	1.23	1.47	
03	1.91	6.7	4.5	1.3	0.2	1.29	1.91	2.54	
04	4.01	9.0	7.6	3.2	1.2	2.57	3.86	4.87	
05	5.19	12.0	9.4	4.0	1.3	3.83	4.75	6.04	
06	5.57	10.9	8.7	4.1	1.8	3.56	4.89	6.97	
07	4.97	8.3	6.7	3.0	1.6	3.11	4.23	6.70	
08	3.95	8.7	6.4	3.0	1.2	2.55	3.34	4.48	
09	3.51	7.7	6.0	2.4	1.0	1.88	2.97	4.11	
10	2.73	7.0	5.3	1.9	0.7	1.31	2.19	3.78	
11	1.84	5.3	3.6	1.2	0.4	0.68	1.88	2.45	
12	1.51	5.8	3.7	1.0	0.2	0.86	1.27	2.06	
Summary	37.61	91.5	68.3	26.1	9.8	23.42	33.47	46.93	

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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	9.90	4.7	3.5	1.1	0.4	0.0	23.6	20.2	17.9	9.5	5.30	9.70	13.10
02	9.20	4.5	3.1	1.4	0.4	0.0	22.3	19.2	16.4	9.2	4.50	8.30	12.90
03	6.20	2.7	1.9	0.6	0.3	0.0	12.2	9.7	7.6	2.8	1.30	6.30	8.50
04	2.20	0.9	0.7	0.3	0.1	0.0	0.9	0.5	0.1	0.0	0.00	0.00	3.10
05	0.40	0.1	0.1	0.1	0.1	0.0	0.1	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	0.0	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	0.20	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	1.90	1.2	0.8	0.2	0.0	0.0	3.0	1.3	0.3	0.0	0.00	0.50	3.60
12	9.60	4.3	3.5	0.9	0.3	0.1	15.4	11.4	8.3	3.2	2.50	7.50	13.30
Summary	39.6	18.6	13.8	4.6	1.6	0.1	77.6	62.4	50.7	24.7	13.6	32.3	54.5

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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	0.1	3.7	51.8	222.7	553.3	841.3	977.9	900.4	649.7	299.2	57.9	3.5
45	0.0	1.0	25.1	129.8	405.6	691.2	822.8	745.4	501.5	188.2	26.0	1.0
50	0.0	0.1	10.6	64.0	270.5	541.6	668.0	590.5	359.2	103.6	9.2	0.3
55	0.0	0.0	4.4	27.3	160.5	394.7	513.0	435.9	231.3	49.1	2.0	0.0
60	0.0	0.0	1.5	9.7	80.8	256.0	359.3	284.2	127.7	19.1	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.4	2.2	33.8	133.1	318.0	539.9	657.0	587.7	394.5	177.8	36.2	2.2

Growing Degree Units (Accumulated Monthly)												
40	0	4	56	278	832	1673	2651	3551	4201	4500	4558	4561
45	0	1	26	156	562	1253	2076	2821	3322	3511	3537	3538
50	0	0	11	75	345	887	1555	2145	2504	2608	2617	2618
55	0	0	4	32	192	587	1100	1536	1767	1816	1818	1818
60	0	0	2	11	92	348	707	992	1119	1138	1138	1138
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	3	36	170	488	1027	1684	2272	2667	2844	2881	2883

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

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