

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 965 ft. Lat: 40.8250° N Lon: 92.8925° W

Station: RATHBUN DAM, IA US USC00136910

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	31.3	12.7	22.0				0.0	0.0	0.0	0.0	0.0	0.0	1022.7	1084.7	1177.7	1332.8	0.0	0.0	3.5	15.0	29.9	6.1
02	36.6	15.6	26.1				0.5	0.3	0.1	0.0	0.0	0.0	809.6	865.3	949.1	1089.1	0.0	0.0	5.2	10.4	25.8	4.1
03	49.6	27.9	38.8				16.0	10.9	5.5	1.3	0.0	0.0	519.9	576.7	664.3	815.2	0.0	0.0	15.0	3.4	21.2	0.6
04	61.8	38.7	50.3				59.7	42.2	23.2	6.4	0.7	0.2	202.2	244.7	315.8	448.9	0.0	0.0	25.7	0.2	6.2	0.0
05	71.4	51.3	61.4				232.3	187.4	129.1	58.0	18.5	10.1	35.5	52.5	87.3	171.2	0.0	0.4	30.6	0.0	0.3	0.0
06	80.9	61.4	71.2				485.2	425.9	338.8	203.1	93.6	61.4	0.8	1.6	4.4	18.7	0.0	2.6	30.0	0.0	0.0	0.0
07	85.0	65.6	75.3				629.2	567.2	474.3	321.2	179.5	131.0	0.0	0.0	0.1	2.0	0.4	8.1	31.0	0.0	0.0	0.0
08	83.5	63.5	73.5				573.4	511.4	419.0	269.5	139.5	98.4	0.0	0.1	0.6	6.1	0.2	6.0	31.0	0.0	0.0	0.0
09	76.6	53.8	65.2				319.1	267.2	196.0	101.1	40.0	25.4	13.2	21.3	40.1	95.2	0.0	2.0	30.0	0.0	0.0	0.0
10	64.6	42.0	53.3				95.8	70.8	42.0	15.2	3.9	2.2	148.6	185.5	249.8	377.9	0.0	0.1	27.8	0.1	4.9	0.0
11	49.7	29.4	39.6				11.0	6.4	2.2	0.1	0.0	0.0	474.5	529.9	615.6	763.6	0.0	0.0	15.9	2.5	18.8	0.1
12	37.2	19.1	28.2				0.6	0.3	0.0	0.0	0.0	0.0	832.8	894.5	987.3	1142.3	0.0	0.0	5.6	10.3	28.4	1.9
Summary	60.7	40.1	50.4	0.0	0.0	0.0	2423	2090	1630	976	476	329	4060	4457	5092	6263	0.6	19.2	251.3	41.9	135.5	12.8

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	1.09							
02	1.49							
03	2.03							
04	3.93							
05	5.36							
06	5.24							
07	4.57							
08	4.62							
09	3.81							
10	2.93							
11	2.04							
12	1.46							
Summary	38.57	0.0	0.0	0.0	0.0	0.00	0.00	0.00

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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	5.4	19.2	124.6	331.3	662.0	934.2	1094.1	1038.2	755.9	423.3	125.1	17.8
45	1.1	7.8	70.1	214.5	508.5	784.2	939.1	883.2	606.4	289.5	64.5	5.7
50	0.0	2.6	36.0	121.9	361.9	634.4	784.1	728.3	459.0	177.9	29.4	1.8
55	0.0	0.5	16.0	59.7	232.3	485.2	629.2	573.4	319.1	95.8	11.0	0.6
60	0.0	0.1	5.5	23.2	129.1	338.8	474.3	419.0	196.0	42.0	2.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	6.2	18.0	88.3	200.6	393.3	623.1	750.3	703.6	474.9	252.3	79.6	14.1

Growing Degree Units (Accumulated Monthly)												
40	5	25	149	480	1142	2077	3171	4209	4965	5388	5513	5531
45	1	9	79	294	802	1586	2525	3408	4015	4304	4369	4375
50	0	3	39	160	522	1157	1941	2669	3128	3306	3336	3337
55	0	0	16	76	308	794	1423	1996	2315	2411	2422	2423
60	0	0	6	29	158	497	971	1390	1586	1628	1630	1630
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	6	24	112	313	706	1330	2080	2783	3258	3511	3590	3604

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
Empty or blank cells indicate data is missing or insufficient occurrences to compute value.