

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 850 ft. Lat: 42.1703° N Lon: 92.0078° W

Station: VINTON, IA US USC00138568

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	25.6	8.1	16.9	5.2	5.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1182.4	1244.4	1337.5	1492.6	0.0	0.0	1.0	19.7	30.3	7.8
02	30.4	12.3	21.3	6.6	7.2	6.7	0.0	0.0	0.0	0.0	0.0	0.0	942.0	998.0	1082.1	1222.2	0.0	0.0	2.3	13.9	26.2	5.0
03	44.4	23.8	34.1	5.8	4.6	5.1	6.9	4.7	2.4	0.4	0.0	0.0	654.9	714.7	805.3	958.3	0.0	0.0	11.8	4.5	22.3	0.7
04	58.7	34.9	46.8	3.9	3.3	3.4	35.5	24.4	12.7	2.7	0.4	0.1	281.5	330.4	408.7	548.7	0.0	0.0	24.5	0.2	8.8	0.0
05	69.4	46.6	58.0	3.3	3.1	3.0	160.8	125.0	80.8	31.8	8.3	3.9	67.8	94.0	142.8	248.8	0.0	0.5	30.4	0.0	0.9	0.0
06	78.3	56.6	67.5	2.4	2.1	2.1	375.8	318.6	236.7	119.7	42.0	23.8	2.4	5.2	13.3	46.3	0.0	2.2	30.0	0.0	0.0	0.0
07	81.4	60.2	70.8	3.2	2.5	2.7	489.7	427.8	335.9	191.1	80.7	50.9	0.0	0.1	1.2	11.3	0.2	4.5	31.0	0.0	0.0	0.0
08	79.3	57.7	68.5	2.7	2.6	2.4	418.7	357.5	268.5	136.6	48.0	27.5	0.3	1.0	5.0	28.1	0.0	2.6	31.0	0.0	0.0	0.0
09	73.5	49.5	61.5	3.7	3.0	3.2	226.4	181.6	123.5	53.3	15.6	8.2	31.6	46.7	78.6	158.3	0.0	1.0	30.0	0.0	0.4	0.0
10	60.2	37.3	48.8	3.3	2.8	2.8	49.3	34.2	18.1	4.2	0.8	0.3	243.0	290.0	366.8	508.0	0.0	0.1	27.2	0.1	7.4	0.0
11	44.2	25.2	34.7	6.1	4.3	5.0	2.9	1.4	0.4	0.1	0.0	0.0	611.9	670.4	759.4	909.1	0.0	0.0	11.8	3.9	20.5	0.1
12	31.0	14.5	22.7	5.8	5.6	5.6	0.1	0.0	0.0	0.0	0.0	0.0	999.7	1061.6	1154.7	1309.7	0.0	0.0	2.3	14.1	28.7	3.2
Summary	56.4	35.6	46.0	4.3	3.9	3.9	1766	1475	1079	540	196	115	5018	5456	6155	7441	0.2	10.9	233.3	56.4	145.5	16.8

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	1.19	7.2	3.8	0.5	0.0	0.88	1.10	1.51	
02	1.25	6.4	3.8	0.5	0.1	0.68	1.14	1.64	
03	2.05	7.6	4.9	1.3	0.3	1.00	1.88	2.88	
04	3.90	9.5	6.9	2.6	0.9	2.35	3.87	5.22	
05	5.01	12.3	8.9	3.5	1.1	3.60	4.59	5.44	
06	5.62	11.8	8.8	3.8	1.8	3.60	5.14	7.56	
07	4.15	9.4	6.5	2.9	1.2	2.59	3.84	4.94	
08	4.22	9.4	6.2	2.6	1.4	2.41	3.32	4.82	
09	3.68	8.6	6.3	2.6	1.0	2.35	3.17	4.28	
10	3.22	8.3	5.5	1.9	1.0	1.33	2.55	4.65	
11	2.05	6.2	4.0	1.3	0.5	0.87	1.82	2.26	
12	1.59	7.5	4.0	0.8	0.3	1.00	1.39	2.02	
Summary	37.93	104.2	69.6	24.3	9.6	22.66	33.81	47.22	

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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	8.30	5.1	3.4	1.0	0.4	0.0	20.4	16.4	12.6	4.7	4.20	7.80	11.80
02	8.50	4.4	2.8	1.1	0.6	0.0	17.6	13.7	10.3	4.9	3.70	7.50	12.00
03	4.40	2.2	1.7	0.6	0.2	0.0	6.1	3.9	2.6	0.3	1.00	4.50	6.20
04	1.40	0.7	0.6	0.2	0.1	0.0	0.5	0.2	0.1	0.0	0.00	0.00	2.00
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	0.40	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
11	1.80	1.0	0.5	0.2	0.1	0.0	1.9	0.6	0.4	0.0	0.00	0.60	2.80
12	8.80	4.4	2.9	1.0	0.4	0.0	11.6	8.0	6.4	2.6	1.70	6.70	15.20
Summary	33.6	18.0	12.0	4.2	1.8	0.0	58.2	42.9	32.4	12.5	10.6	27.1	50.0

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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	0.3	5.7	68.8	248.7	559.2	823.3	954.6	883.4	645.1	303.0	66.5	5.3
45	0.0	1.8	36.0	148.0	409.5	673.3	799.7	728.4	496.9	190.2	30.2	2.1
50	0.0	0.2	16.7	77.7	273.3	523.6	644.7	573.4	354.7	105.0	11.0	0.6
55	0.0	0.0	6.9	35.5	160.8	375.8	489.7	418.7	226.4	49.3	2.9	0.1
60	0.0	0.0	2.4	12.7	80.8	236.7	335.9	268.5	123.5	18.1	0.4	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.0	4.8	50.0	160.4	335.6	528.6	635.5	574.7	401.2	184.4	40.7	3.3

Growing Degree Units (Accumulated Monthly)												
40	0	6	75	324	883	1706	2661	3544	4189	4492	4559	4564
45	0	2	38	186	595	1269	2068	2797	3294	3484	3514	3516
50	0	0	17	95	368	892	1536	2110	2464	2569	2580	2581
55	0	0	7	42	203	579	1069	1487	1714	1763	1766	1766
60	0	0	2	15	96	333	668	937	1060	1079	1079	1079
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	6	56	216	552	1080	1716	2291	2692	2876	2917	2920

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

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