

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 1370 ft. Lat: 42.4897° N Lon: 95.5489° W

Station: **HOLSTEIN, IA US USC00133909**

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	25.7	8.6	17.1	5.8	5.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0	1172.9	1234.9	1327.9	1482.9	0.0	0.0	0.8	20.0	30.6	9.3
02	30.9	12.8	21.9	6.7	6.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0	927.9	983.9	1067.9	1207.9	0.0	0.0	1.9	16.4	27.0	6.6
03	44.8	24.5	34.6	6.2	5.1	5.5	10.2	7.1	4.0	0.9	0.0	0.0	641.3	700.2	790.0	941.9	0.0	0.0	11.7	5.7	23.1	1.0
04	58.7	35.8	47.2	3.8	3.8	3.6	38.2	25.5	12.7	2.8	0.4	0.1	270.8	318.0	395.2	535.3	0.0	0.1	22.5	0.4	10.2	0.0
05	69.8	48.8	59.3	3.6	3.1	3.1	192.4	152.8	103.2	45.4	15.0	9.4	59.2	81.6	125.0	222.3	0.1	1.2	30.2	0.0	1.0	0.0
06	79.4	59.4	69.4	2.6	2.5	2.5	432.5	373.8	287.5	156.6	63.0	39.4	0.8	2.0	5.7	24.9	0.0	2.2	30.0	0.0	0.0	0.0
07	81.4	63.1	72.2	3.7	2.6	3.0	534.6	472.7	380.8	233.1	108.4	71.5	0.0	0.1	1.2	8.5	0.1	4.9	31.0	0.0	0.0	0.0
08	79.3	61.2	70.2	2.4	2.6	2.3	472.8	411.3	320.4	179.2	71.7	43.1	0.3	0.7	2.8	16.6	0.0	1.2	31.0	0.0	0.0	0.0
09	73.3	52.0	62.6	3.6	3.1	3.1	255.1	208.1	144.6	64.3	19.4	10.8	25.8	38.9	65.4	135.0	0.0	0.8	29.9	0.0	0.1	0.0
10	60.3	39.2	49.8	4.1	3.0	3.4	59.3	41.4	23.7	7.8	2.2	1.1	222.1	266.2	341.5	480.6	0.0	0.0	25.7	0.1	6.8	0.0
11	44.2	25.3	34.7	6.8	4.5	5.5	2.0	1.0	0.2	0.0	0.0	0.0	609.5	668.5	757.7	907.5	0.0	0.0	12.0	4.9	21.5	0.3
12	30.8	13.8	22.3	5.6	5.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1013.4	1075.4	1168.4	1323.4	0.0	0.0	1.6	17.1	30.1	4.6
Summary	56.5	37.0	46.8	4.6	4.0	4.1	1997	1694	1277	690	280	175	4944	5370	6049	7287	0.2	10.4	228.3	64.6	150.4	21.8

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	0.93	6.2	2.6	0.3	0.0	0.55	0.83	1.40	
02	1.08	6.1	3.0	0.5	0.1	0.60	0.97	1.41	
03	1.99	6.9	4.3	0.9	0.3	1.06	1.73	2.74	
04	3.42	9.0	6.4	2.6	0.9	2.24	3.50	4.25	
05	4.50	11.8	8.6	2.9	1.1	3.07	4.41	5.67	
06	5.14	11.0	7.6	3.3	1.6	3.40	3.97	6.64	
07	3.79	8.7	6.4	2.3	1.3	2.56	3.37	4.50	
08	4.24	9.3	6.6	2.7	1.3	1.93	3.85	5.55	
09	3.08	8.0	5.7	1.9	0.9	1.70	2.62	4.49	
10	2.36	7.2	4.5	1.5	0.5	1.18	1.80	3.43	
11	1.45	5.0	3.2	1.0	0.2	0.70	1.19	1.90	
12	1.18	6.1	3.2	0.7	0.1	0.54	1.14	1.41	
Summary	33.16	95.3	62.1	20.6	8.3	19.53	29.38	43.39	

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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	6.90	5.0	2.5	0.9	0.2	0.0	19.4	15.3	10.5	3.9	4.20	6.20	9.30
02	8.90	4.5	2.8	1.1	0.6	0.1	16.8	12.6	10.2	5.4	4.90	8.70	12.20
03	5.30	2.7	1.5	0.7	0.3	0.1	9.0	6.3	4.5	2.2	1.50	5.20	8.80
04	2.10	1.1	0.7	0.3	0.1	0.0	1.0	0.5	0.2	0.0	0.00	0.60	2.60
05	0.20	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	0.30	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	3.50	1.9	1.2	0.4	0.1	0.0	3.1	1.1	0.1	0.0	0.10	2.20	4.80
12	8.10	4.4	2.7	0.9	0.4	0.0	14.3	8.5	4.7	1.0	4.10	5.70	10.60
Summary	35.3	19.8	11.5	4.3	1.7	0.2	63.7	44.3	30.2	12.5	14.8	28.6	48.3

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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	1.3	9.5	83.7	266.6	598.9	881.7	999.6	937.5	679.4	328.2	63.8	5.5
45	0.1	2.8	46.0	164.3	449.4	731.8	844.6	782.6	530.4	211.1	26.9	1.0
50	0.0	0.4	23.6	87.2	311.1	581.7	689.6	627.5	386.8	121.5	9.2	0.0
55	0.0	0.0	10.2	38.2	192.4	432.5	534.6	472.8	255.1	59.3	2.0	0.0
60	0.0	0.0	4.0	12.7	103.2	287.5	380.8	320.4	144.6	23.7	0.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.2	7.1	58.1	162.4	351.2	577.3	680.0	624.7	415.6	189.0	38.0	3.5

Growing Degree Units (Accumulated Monthly)												
40	1	11	94	361	960	1842	2841	3779	4458	4786	4850	4856
45	0	3	49	213	663	1394	2239	3022	3552	3763	3790	3791
50	0	0	24	111	422	1004	1694	2321	2708	2829	2839	2839
55	0	0	10	48	241	673	1208	1681	1936	1995	1997	1997
60	0	0	4	17	120	407	788	1109	1253	1277	1277	1277
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	8	66	229	580	1157	1837	2462	2878	3067	3105	3108

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