

## Summary of Monthly Normals 1991-2020

Generated on 09/16/2021

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	48.4	23.8	36.1	3.6	3.6	3.5	2.2	1.2	0.3	0.0	0.0	0.0	588.0	649.0	741.1	895.9	0.0	0.0	13.6	2.8	25.2	0.4
02	52.2	25.5	38.9	4.3	3.4	3.6	3.5	1.8	0.6	0.0	0.0	0.0	455.6	510.0	592.8	732.2	0.0	0.0	15.7	0.9	22.2	0.1
03	60.3	31.6	45.9	4.4	3.1	3.6	26.1	17.1	7.9	0.9	0.0	0.0	306.6	359.6	443.5	591.4	0.0	0.0	24.6	0.2	17.0	0.0
04	70.8	40.4	55.6	2.5	2.2	1.9	113.8	84.9	50.2	14.1	1.7	0.5	95.8	126.9	182.1	296.1	0.0	0.2	29.2	0.0	6.8	0.0
05	77.7	50.3	64.0	3.1	3.6	2.9	292.2	239.9	169.2	76.4	20.0	9.0	13.2	22.9	45.2	107.4	0.0	1.0	30.9	0.0	0.5	0.0
06	84.7	59.2	72.0	2.4	1.9	1.9	508.7	449.0	360.9	220.5	100.9	64.5	0.3	0.6	2.4	12.0	0.0	6.0	30.0	0.0	0.0	0.0
07	88.0	64.0	76.0	2.2	1.8	1.7	650.9	588.9	496.0	341.2	191.5	136.6	0.0	0.0	0.0	0.2	0.1	11.7	31.0	0.0	0.0	0.0
08	85.9	62.6	74.2	2.5	2.0	2.0	596.7	534.7	441.8	288.6	146.2	98.4	0.0	0.0	0.1	1.9	0.0	7.6	31.0	0.0	0.0	0.0
09	79.8	55.5	67.6	2.7	2.9	2.3	382.0	325.0	242.7	125.6	44.9	24.4	2.6	5.6	13.2	46.2	0.0	1.9	30.0	0.0	0.0	0.0
10	70.7	42.8	56.7	2.2	3.4	2.1	126.5	93.1	53.7	16.8	3.8	1.5	72.2	100.8	154.5	272.6	0.0	0.1	30.6	0.0	4.6	0.0
11	60.3	31.7	46.0	4.1	2.9	3.2	21.0	12.9	5.5	1.1	0.0	0.0	291.0	342.8	425.4	571.0	0.0	0.0	25.0	0.0	18.3	0.0
12	51.1	26.3	38.7	4.4	4.0	4.0	4.8	3.0	1.3	0.1	0.0	0.0	510.0	570.2	661.6	815.4	0.0	0.0	16.2	0.7	24.1	0.0
Summary	69.2	42.8	56.0	3.2	2.9	2.7	2728	2352	1830	1085	509	335	2335	2688	3262	4342	0.1	28.5	307.8	4.6	118.7	0.5

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	3.83	9.5	6.7	2.8	1.0	2.64	3.63	4.73
02	3.04	9.1	6.1	1.9	0.7	1.73	2.54	3.86
03	4.08	10.5	6.9	2.8	1.0	2.78	3.28	5.01
04	3.60	9.7	6.6	2.4	0.9	2.33	3.49	4.68
05	4.50	12.0	8.0	3.0	1.0	2.03	4.55	5.89
06	4.41	11.3	7.4	3.0	1.4	2.48	3.79	5.74
07	4.01	11.7	7.6	2.9	1.1	2.51	3.78	5.09
08	4.17	9.8	6.4	2.6	1.1	3.09	4.36	5.04
09	5.09	9.0	6.3	3.3	1.7	2.96	4.12	6.31
10	3.57	8.0	5.4	2.3	1.1	1.94	3.21	4.76
11	3.33	8.2	5.4	2.2	1.0	1.62	2.84	4.92
12	3.72	9.9	6.6	2.8	1.1	2.52	3.56	4.69
Summary	47.35	118.7	79.4	32.0	13.1	28.63	43.15	60.72

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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	3.3	0.7	0.5	0.3	0.3	0.0	1.1	0.8	0.7	0.2	0.0	0.0	3.0
02	2.4	0.4	0.3	0.2	0.1	0.0	0.5	0.3	0.2	0.0	0.0	0.0	0.0
03	1.7	0.5	0.4	0.3	0.1	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0
04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	2.0	0.3	0.3	0.2	0.1	0.1	0.6	0.5	0.4	0.2	0.0	0.0	0.0
Summary	9.4	1.9	1.5	1.0	0.6	0.1	2.5	1.8	1.3	0.4	0.0	0.0	3.0

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<b>Growing Degree Units (Monthly)</b>												
<b>Base</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
40	64.3	81.9	227.5	470.4	744.0	958.4	1115.9	1061.6	829.4	520.0	214.1	86.0
45	26.0	35.8	130.5	330.2	589.1	808.5	960.9	906.7	679.5	370.2	118.4	38.2
50	8.6	13.0	64.6	207.2	435.6	658.5	805.9	751.7	529.7	234.6	55.4	14.8
55	2.2	3.5	26.1	113.8	292.2	508.7	650.9	596.7	382.0	126.5	21.0	4.8
60	0.3	0.6	7.9	50.2	169.2	360.9	496.0	441.8	242.7	53.7	5.5	1.3
<b>Growing Degree Units for Corn (Monthly)</b>												
50/86	58.1	80.5	180.2	322.8	479.0	634.9	755.9	719.3	539.0	342.0	170.1	73.7

<b>Growing Degree Units (Accumulated Monthly)</b>												
<b>Base</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
40	64	146	374	844	1588	2546	3662	4724	5553	6073	6288	6374
45	26	62	192	522	1112	1920	2881	3788	4467	4837	4956	4994
50	9	22	86	293	729	1388	2193	2945	3475	3709	3765	3780
55	2	6	32	146	438	946	1597	2194	2576	2703	2724	2728
60	0	1	9	59	228	589	1085	1527	1770	1823	1829	1830
<b>Growing Degree Units for Corn (Monthly Accumulated)</b>												
50/86	58	139	319	642	1121	1756	2511	3231	3770	4112	4282	4356

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

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