U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Summary of Monthly Normals
1991-2020

Generated on 11/05/2026

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 763 ft. Lat: 41.4131° N Lon: 81.8600° W

Station: **CLEVELAND, OH US USW00014820**

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	35.8	22.3	29.1	4.7	5.4	5.0	1.1	0.5	0.1	0.0	0.0	0.0	805.4	866.8	959.3	1114.2	0.0	0.0	4.2	13.6	25.8	1.5
02	38.5	23.7	31.1	5.3	5.6	5.4	1.8	1.1	0.4	0.1	0.0	0.0	670.9	726.2	809.5	949.2	0.0	0.0	4.7	10.4	23.5	1.1
03	47.1	30.7	38.9	5.2	4.1	4.5	15.3	10.9	6.1	2.0	0.4	0.1	514.3	572.0	660.1	811.0	0.0	0.0	11.4	4.0	20.3	0.0
04	60.1	40.8	50.4	3.3	2.7	2.9	66.6	48.9	29.3	10.4	2.5	1.2	203.1	245.4	315.9	446.9	0.0	0.0	23.8	0.2	6.3	0.0
05	71.1	51.4	61.2	3.8	3.4	3.5	230.3	187.7	133.0	65.5	26.1	16.4	36.5	55.9	94.3	181.8	0.0	0.4	30.5	0.0	0.2	0.0
06	79.8	61.1	70.4	2.3	1.9	2.0	464.8	406.3	320.8	192.7	93.5	64.0	1.4	2.9	7.5	29.3	0.0	2.8	30.0	0.0	0.0	0.0
07	83.7	65.3	74.5	2.9	2.4	2.6	604.4	542.4	449.4	296.3	159.9	114.4	0.0	0.0	0.0	1.9	0.0	4.7	31.0	0.0	0.0	0.0
08	82.0	63.9	73.0	2.5	2.5	2.4	556.4	494.4	401.5	250.8	122.5	84.0	0.0	0.0	0.2	4.4	0.0	3.1	31.0	0.0	0.0	0.0
09	75.6	57.1	66.4	2.9	2.4	2.5	346.2	291.2	214.0	110.1	44.3	28.4	5.8	10.7	23.6	69.7	0.0	1.4	30.0	0.0	0.0	0.0
10	63.7	46.5	55.1	2.6	2.4	2.4	109.6	82.3	50.8	18.4	5.0	2.8	106.5	141.2	202.8	325.3	0.0	0.0	28.2	0.0	1.0	0.0
11	51.3	36.7	44.0	4.9	3.2	3.9	18.6	11.5	5.0	0.9	0.1	0.0	348.5	401.4	485.0	630.8	0.0	0.0	15.3	1.1	11.6	0.0
12	40.4	28.2	34.3	4.7	4.2	4.4	2.4	1.5	0.6	0.1	0.0	0.0	644.1	705.1	797.1	951.7	0.0	0.0	5.8	7.9	22.1	0.1
Summary	60.8	44.0	52.4	3.8	3.4	3.5	2418	2079	1611	947	454	311	3336	3728	4355	5516	0.0	12.4	245.9	37.2	110.8	2.7

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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	2.99	17.7	7.9	1.5	0.3	2.04	2.68	3.32
02	2.49	14.6	6.8	1.1	0.2	1.93	2.40	2.74
03	3.06	14.6	8.2	1.6	0.3	2.03	3.18	3.87
04	3.75	14.8	8.2	2.3	0.8	2.85	3.74	4.30
05	3.79	13.4	8.2	2.4	0.8	2.15	4.00	5.23
06	3.83	11.5	7.1	2.5	0.7	2.44	3.35	5.10
07	3.67	10.7	6.8	2.5	0.7	2.58	3.11	4.62
08	3.56	10.3	6.2	1.8	0.9	2.06	3.13	4.69
09	3.93	10.1	6.6	2.7	1.2	2.33	3.53	4.80
10	3.60	12.1	7.6	2.3	0.6	2.55	3.01	4.01
11	3.37	13.1	7.7	2.0	0.6	2.56	3.35	4.04
12	2.99	15.6	7.9	1.5	0.3	2.30	2.85	3.76
Summary	41.03	158.5	89.2	24.2	7.4	27.82	38.33	50.48

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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	18.40	13.5	5.8	1.7	0.8	0.0	17.4	9.7	6.1	1.2	11.60	17.30	23.80
02	15.10	10.5	4.5	1.5	0.6	0.1	13.5	7.9	5.2	1.3	7.80	14.10	19.80
03	10.80	7.2	3.3	1.2	0.4	0.0	7.2	3.6	1.9	0.4	4.70	8.70	15.70
04	2.70	2.1	0.8	0.2	0.1	0.0	0.9	0.3	0.1	0.0	0.10	1.00	3.10
05	0.00	0.1	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	0.10	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	4.50	3.8	1.5	0.3	0.1	0.0	2.6	0.6	0.2	0.0	0.80	2.30	6.00
12	12.20	8.4	3.6	1.4	0.5	0.1	10.1	4.1	2.2	0.4	6.90	9.60	17.60
Summary	63.8	45.8	19.5	6.3	2.5	0.2	51.7	26.2	15.7	3.3	31.9	53.0	86.0

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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	31.0	34.4	117.7	331.6	658.8	913.4	1069.4	1021.4	790.4	470.0	182.6	51.9
45	12.5	14.8	65.0	215.4	504.9	763.4	914.4	866.3	640.5	324.3	100.4	22.0
50	4.1	5.7	33.4	126.6	358.0	613.5	759.4	711.4	491.2	200.4	48.2	8.1
55	1.1	1.8	15.3	66.6	230.3	464.8	604.4	556.4	346.2	109.6	18.6	2.4
60	0.1	0.4	6.1	29.3	133.0	320.8	449.4	401.5	214.0	50.8	5.0	0.6
Growing Degree Units for Corn (Monthly)												
50/86	13.6	17.9	66.9	184.4	390.6	604.2	736.5	696.7	495.2	248.8	83.7	20.5
Growing Degree Units (Accumulated Monthly)												
40	31	65	183	515	1174	2087	3156	4178	4968	5438	5621	5673
45	12	27	92	308	813	1576	2490	3357	3997	4322	4422	4444
50	4	10	43	170	528	1141	1901	2612	3103	3304	3352	3360
55	1	3	18	85	315	780	1384	1941	2287	2396	2415	2418
60	0	0	7	36	169	490	939	1341	1555	1605	1610	1611
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	14	32	98	283	673	1278	2014	2711	3206	3455	3538	3559

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

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