

Summary of Monthly Normals
1991-2020

Generated on 04/26/2024

Current Location: Elev: 578 ft. Lat: 43.0572° N Lon: 78.8617° W
Station: N TONAWANDA, NY US USC00306047

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	33.2	16.7	24.9	4.4	5.5	4.9	0.2	0.0	0.0	0.0	0.0	0.0	931.5	993.3	1086.3	1241.2	0.0	0.0	2.9	15.0	26.9	2.2
02	35.5	16.9	26.2	4.9	5.1	4.9	0.2	0.0	0.0	0.0	0.0	0.0	806.5	862.3	946.3	1086.2	0.0	0.0	2.4	12.2	26.1	1.4
03	44.1	23.8	34.0	4.5	3.9	4.1	4.3	3.1	1.5	0.1	0.0	0.0	656.8	717.6	809.0	962.6	0.0	0.0	9.4	4.1	23.5	0.3
04	56.9	33.5	45.2	3.4	2.5	2.8	18.8	11.8	4.9	0.6	0.0	0.0	312.8	365.8	448.8	594.6	0.0	0.0	21.5	0.4	11.8	0.0
05	69.8	44.6	57.2	3.9	3.2	3.4	144.1	109.5	67.9	25.3	6.0	2.6	75.9	103.3	154.7	267.2	0.0	0.4	30.4	0.0	1.1	0.0
06	78.8	55.0	66.9	2.0	1.7	1.7	359.0	301.7	221.3	108.7	38.1	21.7	2.2	4.8	14.4	52.0	0.0	1.7	30.0	0.0	0.0	0.0
07	82.8	59.1	70.9	3.0	2.7	2.7	494.3	432.4	339.6	193.4	79.4	48.7	0.0	0.0	0.3	9.1	0.1	4.6	31.0	0.0	0.0	0.0
08	81.5	57.8	69.7	2.6	2.3	2.3	454.1	392.3	300.2	159.8	58.7	32.8	0.1	0.3	1.2	15.8	0.0	2.1	31.0	0.0	0.0	0.0
09	74.3	50.4	62.4	2.8	2.5	2.4	236.8	188.3	124.4	50.5	15.4	7.7	16.5	27.9	54.0	130.2	0.0	0.4	30.0	0.0	0.0	0.0
10	61.2	40.4	50.8	2.7	2.4	2.4	48.9	32.9	16.4	3.3	0.3	0.1	179.0	225.1	301.5	443.4	0.0	0.0	27.7	0.0	2.8	0.0
11	49.2	30.7	40.0	4.2	3.0	3.5	3.1	1.4	0.6	0.1	0.0	0.0	454.6	513.0	602.1	751.6	0.0	0.0	15.3	1.3	15.2	0.0
12	38.0	23.1	30.6	4.1	4.4	4.1	0.2	0.1	0.0	0.0	0.0	0.0	758.1	820.0	912.9	1067.8	0.0	0.0	3.8	8.9	25.1	0.4
Summary	58.8	37.7	48.2	3.5	3.3	3.3	1764	1474	1077	542	198	114	4194	4633	5332	6622	0.1	9.2	235.4	41.9	132.5	4.3

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	3.19	20.0	8.5	1.7	0.3	2.40	3.07	3.72	
02	2.44	15.8	6.6	1.3	0.1	1.94	2.37	2.79	
03	2.94	15.1	7.7	1.6	0.3	2.19	2.89	3.16	
04	3.64	14.3	8.5	2.4	0.5	2.56	3.64	4.36	
05	3.38	13.3	7.6	2.1	0.7	2.26	3.19	4.68	
06	3.30	12.3	7.4	2.3	0.4	1.90	3.09	4.18	
07	3.46	11.2	6.3	2.3	0.9	2.37	2.75	3.90	
08	3.10	10.6	6.5	2.1	0.5	2.06	3.07	3.99	
09	3.90	11.3	7.3	2.3	0.9	2.72	3.68	4.63	
10	3.94	14.6	8.7	2.4	0.7	2.77	3.60	4.51	
11	3.46	14.5	8.2	1.9	0.5	2.73	3.32	4.26	
12	3.39	18.2	8.9	1.9	0.3	2.61	3.11	4.11	
Summary	40.14	171.2	92.2	24.3	6.1	28.51	37.78	48.29	

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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	22.90	16.5	6.9	2.2	0.6	0.2	22.0	16.3	11.3	3.8	14.00	20.20	30.40
02	16.10	13.1	5.1	1.5	0.6	0.0	20.4	14.3	10.6	4.4	8.20	15.80	21.40
03	13.10	8.4	3.6	1.5	0.6	0.1	12.5	8.6	5.8	2.1	5.60	11.50	18.80
04	2.70	3.0	0.9	0.2	0.0	0.0	1.0	0.2	0.0	0.0	0.60	1.70	3.80
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	0.50	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
11	6.00	4.6	1.8	0.6	0.3	0.0	3.1	1.6	0.7	0.0	0.40	3.00	11.10
12	18.50	11.6	5.3	1.9	0.8	0.1	13.7	8.0	4.5	0.6	11.30	16.40	21.80
Summary	79.8	57.4	23.7	8.0	3.0	0.4	72.8	49.1	32.9	10.9	40.1	68.6	107.3

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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	10.6	10.6	52.6	199.0	534.4	806.9	959.4	919.1	670.4	341.5	101.8	21.1
45	3.4	3.3	23.8	108.1	385.9	656.9	804.4	764.1	520.5	211.5	45.1	6.3
50	1.2	1.0	10.4	49.7	253.0	507.2	649.3	609.0	373.0	112.0	15.3	0.8
55	0.2	0.2	4.3	18.8	144.1	359.0	494.3	454.1	236.8	48.9	3.1	0.2
60	0.0	0.0	1.5	4.9	67.9	221.3	339.6	300.2	124.4	16.4	0.6	0.0
Growing Degree Units for Corn (Monthly)												
50/86	4.7	7.8	36.2	134.2	328.6	514.8	636.1	603.5	410.9	188.6	57.0	9.1

Growing Degree Units (Accumulated Monthly)												
40	11	21	74	273	807	1614	2574	3493	4163	4504	4606	4627
45	3	7	30	139	524	1181	1986	2750	3270	3482	3527	3533
50	1	2	13	62	315	822	1472	2081	2454	2566	2581	2582
55	0	0	5	24	168	527	1021	1475	1712	1761	1764	1764
60	0	0	2	6	74	296	635	935	1060	1076	1077	1077
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	5	12	49	183	512	1026	1662	2266	2677	2865	2922	2932

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