

Summary of Monthly Normals 1991-2020

Generated on 08/05/2024

Current Location: Elev: 947 ft. Lat: 42.0997° N Lon: 76.8358° W

Station: **ELMIRA, NY US USC00302610**

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	33.7	15.9	24.8	4.3	5.4	4.8	0.4	0.2	0.1	0.0	0.0	0.0	936.3	998.2	1091.0	1246.0	0.0	0.0	2.6	15.0	28.4	3.9
02	36.3	16.5	26.4	4.8	5.6	5.1	0.1	0.0	0.0	0.0	0.0	0.0	800.8	856.7	940.7	1080.7	0.0	0.0	3.0	10.9	26.2	2.5
03	44.8	23.1	34.0	5.0	4.0	4.4	2.8	1.7	0.6	0.0	0.0	0.0	655.3	716.1	808.1	962.5	0.0	0.0	9.0	4.8	24.8	0.6
04	58.5	33.4	45.9	3.5	2.3	2.7	27.6	19.1	10.5	3.2	0.5	0.2	299.2	350.6	432.0	574.7	0.0	0.1	21.7	0.2	15.0	0.0
05	71.1	44.4	57.7	4.0	3.5	3.6	154.3	120.2	78.7	32.4	9.7	4.9	69.2	97.1	148.6	257.3	0.0	0.7	30.3	0.0	2.2	0.0
06	79.2	53.9	66.5	2.4	1.7	1.7	350.8	294.7	215.9	108.6	38.7	21.9	4.4	8.3	19.5	62.2	0.0	2.1	30.0	0.0	0.0	0.0
07	83.7	58.3	71.0	3.1	2.2	2.5	495.9	434.0	341.6	197.5	84.8	53.4	0.0	0.1	0.7	11.6	0.1	4.9	31.0	0.0	0.0	0.0
08	82.1	56.9	69.5	2.8	2.2	2.3	449.5	387.7	296.7	159.3	60.8	35.1	0.1	0.3	2.3	19.9	0.0	3.1	31.0	0.0	0.0	0.0
09	74.9	49.5	62.2	2.7	2.6	2.2	236.3	189.4	128.6	55.2	17.0	9.1	20.4	33.5	62.7	139.4	0.0	1.3	30.0	0.0	0.4	0.0
10	61.7	38.8	50.3	2.7	2.8	2.4	48.7	33.0	17.3	4.8	0.8	0.3	196.0	242.2	319.5	462.0	0.0	0.0	26.9	0.0	7.8	0.0
11	48.8	29.9	39.3	4.4	2.3	3.3	3.4	1.6	0.5	0.0	0.0	0.0	472.9	531.0	619.9	769.5	0.0	0.0	12.6	1.2	19.3	0.0
12	38.5	22.5	30.5	4.3	4.2	4.1	0.4	0.2	0.0	0.0	0.0	0.0	759.8	821.6	914.4	1069.4	0.0	0.0	3.4	9.4	26.4	0.4
Summary	59.4	36.9	48.2	3.7	3.2	3.3	1770	1482	1090	561	212	125	4214	4656	5359	6655	0.1	12.2	231.5	41.5	150.5	7.4

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	2.12	12.2	5.8	1.1	0.2	1.50	2.12	2.70	
02	1.86	9.8	4.8	1.0	0.2	1.21	1.83	2.23	
03	2.73	10.6	6.0	1.7	0.5	1.67	2.45	3.60	
04	3.26	12.5	7.4	2.0	0.5	2.34	2.80	3.88	
05	3.10	13.2	7.5	2.1	0.5	1.88	2.92	4.33	
06	4.19	12.6	8.2	3.0	0.9	3.21	4.39	5.46	
07	4.05	11.8	7.9	2.8	0.9	2.06	3.73	5.32	
08	3.82	11.4	6.7	2.3	0.9	2.33	3.57	4.58	
09	4.09	10.6	6.5	2.2	1.0	2.24	3.42	5.58	
10	3.53	13.0	7.1	2.1	0.6	2.51	3.51	4.24	
11	2.73	10.6	5.9	1.6	0.6	2.12	2.53	3.41	
12	2.59	11.8	6.1	1.5	0.4	1.99	2.45	3.19	
Summary	38.07	140.1	79.9	23.4	7.2	25.06	35.72	48.52	

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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	8.40	6.4	3.5	1.2	0.6	0.1	16.6	9.4	5.4	1.9	4.40	5.60	11.60
02	9.50	5.6	3.5	1.3	0.5	0.1	15.9	10.8	7.4	3.1	3.70	6.00	13.40
03	11.20	3.7	2.7	1.1	0.7	0.2	11.2	7.5	5.4	2.2	4.60	7.80	13.70
04	1.50	0.9	0.6	0.2	0.0	0.0	1.0	0.2	0.0	0.0	0.00	0.00	2.50
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	0.10	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	2.70	1.4	1.1	0.2	0.1	0.0	2.6	1.1	0.4	0.1	0.00	1.00	3.90
12	8.40	3.6	2.2	0.7	0.5	0.1	10.2	4.6	2.7	0.5	2.00	7.30	12.70
Summary	41.8	21.7	13.6	4.7	2.4	0.5	57.5	33.6	21.3	7.8	14.7	27.7	57.8

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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	11.4	9.7	55.9	220.7	550.8	796.4	960.9	914.4	666.0	328.5	95.4	21.5
45	4.0	2.4	24.5	127.7	400.5	646.5	805.9	759.4	516.4	203.1	44.4	7.4
50	1.3	0.5	9.1	64.5	264.3	497.0	650.9	604.4	370.3	108.8	15.9	2.1
55	0.4	0.1	2.8	27.6	154.3	350.8	495.9	449.5	236.3	48.7	3.4	0.4
60	0.1	0.0	0.6	10.5	78.7	215.9	341.6	296.7	128.6	17.3	0.5	0.0
Growing Degree Units for Corn (Monthly)												
50/86	7.4	9.8	44.9	155.0	345.2	506.0	629.5	593.7	413.8	197.1	57.2	11.5

Growing Degree Units (Accumulated Monthly)												
40	11	21	77	298	848	1645	2606	3520	4186	4515	4610	4632
45	4	6	31	159	559	1206	2012	2771	3287	3490	3535	3542
50	1	2	11	75	340	837	1488	2092	2462	2571	2587	2589
55	0	0	3	31	185	536	1032	1481	1718	1766	1770	1770
60	0	0	1	11	90	306	647	944	1073	1090	1090	1090
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	7	17	62	217	562	1068	1698	2292	2705	2902	2960	2971

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

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