

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 650 ft. Lat: 39.3686° N Lon: 89.0867° W
Station: **PANA, IL US USC00116579**

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	36.6	19.3	27.9	4.2	5.0	4.5	0.6	0.3	0.1	0.0	0.0	0.0	838.9	900.6	993.4	1148.3	0.0	0.0	4.8	10.5	26.8	2.3
02	41.5	22.6	32.0	5.5	5.9	5.5	1.5	0.8	0.4	0.0	0.0	0.0	644.1	699.4	782.9	922.5	0.0	0.0	7.7	6.0	22.7	1.0
03	52.8	31.3	42.1	5.2	4.5	4.7	22.2	15.0	7.7	2.0	0.3	0.0	423.6	478.4	564.1	713.4	0.0	0.0	18.1	1.3	17.4	0.1
04	65.6	41.3	53.5	3.6	2.8	3.1	92.7	68.6	40.9	12.1	1.9	0.8	139.2	175.1	237.4	358.6	0.0	0.0	27.9	0.0	4.0	0.0
05	75.5	52.3	63.9	3.3	3.4	3.2	294.6	244.2	177.3	89.5	33.4	19.6	18.7	30.3	56.4	123.6	0.0	1.4	30.9	0.0	0.2	0.0
06	84.1	62.0	73.1	2.5	2.2	2.1	541.5	482.0	394.1	253.4	132.4	93.2	0.1	0.7	2.7	12.1	0.1	7.5	30.0	0.0	0.0	0.0
07	87.3	65.1	76.2	3.3	2.5	2.7	657.1	595.1	502.2	348.2	203.2	151.9	0.0	0.0	0.0	1.1	0.6	12.0	31.0	0.0	0.0	0.0
08	86.3	62.7	74.5	3.0	2.9	2.6	604.4	542.5	449.9	297.7	158.7	112.6	0.0	0.1	0.4	3.2	0.2	8.3	31.0	0.0	0.0	0.0
09	80.8	54.8	67.8	3.3	3.0	2.9	390.0	334.3	255.2	141.8	63.3	41.6	6.0	10.3	21.3	57.9	0.1	4.9	30.0	0.0	0.1	0.0
10	68.2	43.7	55.9	2.7	2.2	2.2	132.7	101.8	65.0	25.8	7.6	4.3	103.3	134.4	190.5	306.4	0.0	0.3	30.0	0.0	3.1	0.0
11	53.4	33.2	43.3	5.3	4.0	4.5	21.1	14.0	6.6	1.6	0.1	0.0	372.0	424.9	507.6	652.6	0.0	0.0	19.0	1.1	14.6	0.0
12	41.6	24.6	33.1	4.6	4.5	4.3	1.8	1.0	0.3	0.0	0.0	0.0	680.6	741.9	834.1	988.8	0.0	0.0	7.6	5.8	24.7	0.5
Summary	64.5	42.7	53.6	3.9	3.6	3.5	2760	2400	1900	1172	601	424	3226	3596	4191	5288	1.0	34.4	268.0	24.7	113.6	3.9

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	2.78	8.5	5.0	1.9	0.6	1.56	2.20	3.88	
02	2.15	8.1	4.7	1.5	0.3	0.96	2.10	2.90	
03	3.02	11.0	6.2	2.2	0.6	2.02	2.77	3.23	
04	4.80	11.8	7.7	3.2	1.0	3.15	4.20	6.21	
05	4.75	12.8	8.4	3.3	1.2	3.19	4.35	6.38	
06	5.07	10.8	7.5	3.3	1.6	3.01	4.89	6.67	
07	4.01	9.0	6.5	2.8	1.3	2.92	3.80	4.91	
08	3.00	8.3	5.3	2.1	0.7	1.73	2.76	3.77	
09	3.25	7.8	5.1	2.1	0.9	1.47	2.33	3.57	
10	3.53	9.4	6.0	2.6	1.0	2.06	2.80	4.98	
11	3.68	9.6	6.6	2.7	0.9	2.04	3.45	5.27	
12	2.26	9.0	5.1	1.6	0.5	1.34	1.89	2.76	
Summary	42.30	116.1	74.1	29.3	10.6	25.45	37.54	54.53	

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

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

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	5.10	2.7	1.8	0.6	0.2	0.0	8.6	4.2	1.7	0.2	1.00	3.70	7.90
02	2.60	2.2	1.2	0.4	0.2	0.0	6.2	3.6	1.5	0.0	0.10	1.30	4.00
03	2.60	1.4	0.9	0.2	0.1	0.0	1.8	0.8	0.6	0.1	0.00	1.70	3.20
04	0.50	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.10
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.90	0.5	0.4	0.2	0.0	0.0	0.7	0.4	0.0	0.0	0.00	0.00	1.00
12	2.70	2.0	1.1	0.3	0.1	0.0	4.1	2.1	1.1	0.0	0.40	1.50	4.50
Summary	14.5	9.0	5.5	1.7	0.6	0.0	21.5	11.1	4.9	0.3	1.5	8.2	20.7

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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	20.7	40.1	165.0	414.4	740.9	991.2	1122.0	1069.3	833.8	498.2	179.4	44.8
45	6.9	16.6	94.5	285.1	586.2	841.3	967.1	914.4	684.1	354.8	99.3	17.7
50	1.9	5.7	49.3	174.8	434.9	691.4	812.1	759.4	535.5	230.4	48.8	5.8
55	0.6	1.5	22.2	92.7	294.6	541.5	657.1	604.4	390.0	132.7	21.1	1.8
60	0.1	0.4	7.7	40.9	177.3	394.1	502.2	449.9	255.2	65.0	6.6	0.3
Growing Degree Units for Corn (Monthly)												
50/86	12.8	28.5	107.2	253.2	463.1	664.4	765.2	722.0	539.4	306.0	104.0	25.1

Growing Degree Units (Accumulated Monthly)												
40	21	61	226	640	1381	2372	3494	4564	5397	5896	6075	6120
45	7	24	118	403	989	1831	2798	3712	4396	4751	4850	4868
50	2	8	57	232	667	1358	2170	2930	3465	3695	3744	3750
55	1	2	24	117	412	953	1610	2215	2605	2737	2758	2760
60	0	0	8	49	226	620	1123	1573	1828	1893	1899	1900
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	13	41	148	402	865	1529	2294	3016	3556	3862	3966	3991

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