

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 815 ft. Lat: 42.2636° N Lon: 88.6078° W
Station: MARENGO, IL US USC00115326

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	29.2	12.7	20.9	4.7	5.8	5.1	0.0	0.0	0.0	0.0	0.0	0.0	1055.3	1117.3	1210.3	1365.4	0.0	0.0	1.0	19.1	29.4	6.5
02	33.2	15.8	24.5	5.4	7.1	6.1	0.1	0.1	0.0	0.0	0.0	0.0	853.9	909.9	993.8	1133.9	0.0	0.0	2.1	14.1	26.3	4.9
03	44.9	25.9	35.4	5.1	4.7	4.8	8.7	6.5	4.0	1.1	0.0	0.0	616.3	676.1	766.6	918.7	0.0	0.0	10.1	3.8	23.5	0.5
04	58.6	36.2	47.4	3.8	3.1	3.3	37.4	26.4	14.3	3.8	0.7	0.3	265.4	314.4	392.3	531.8	0.0	0.0	23.0	0.3	10.3	0.0
05	70.2	47.2	58.7	3.5	2.9	3.1	176.2	139.9	95.1	43.2	14.4	8.0	61.6	87.3	135.4	238.5	0.0	0.9	30.2	0.0	1.2	0.0
06	79.9	57.2	68.6	2.6	2.1	2.1	409.9	353.1	270.8	151.2	65.4	42.6	3.5	6.7	14.4	44.7	0.0	3.8	30.0	0.0	0.0	0.0
07	83.5	61.7	72.6	3.3	2.7	2.9	545.5	483.5	391.0	242.6	119.0	81.5	0.0	0.1	0.6	7.1	0.3	5.1	31.0	0.0	0.0	0.0
08	81.8	59.6	70.7	2.6	3.1	2.7	486.8	425.1	334.1	193.3	83.3	53.3	0.2	0.6	2.5	16.7	0.0	3.8	31.0	0.0	0.0	0.0
09	75.4	51.8	63.6	3.1	2.8	2.7	278.8	229.9	164.6	82.0	30.3	18.2	20.9	32.0	56.7	124.1	0.0	1.5	30.0	0.0	0.4	0.0
10	62.4	39.9	51.2	3.2	2.6	2.5	65.1	47.3	27.6	8.6	2.3	1.1	184.5	228.6	302.0	437.9	0.0	0.0	27.4	0.0	7.2	0.0
11	46.9	29.1	38.0	5.7	4.1	4.7	4.3	2.2	0.6	0.1	0.0	0.0	514.3	572.2	660.6	810.1	0.0	0.0	13.0	2.7	20.4	0.0
12	34.5	18.5	26.5	5.3	5.9	5.4	0.0	0.0	0.0	0.0	0.0	0.0	883.4	945.3	1038.3	1193.4	0.0	0.0	2.2	13.0	27.8	2.6
Summary	58.4	38.0	48.2	4.0	3.9	3.8	2013	1714	1302	726	315	205	4459	4890	5574	6822	0.3	15.1	231.0	53.0	146.5	14.5

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	1.67	7.2	3.9	0.8	0.3	0.97	1.63	2.31
02	1.64	5.8	3.9	0.8	0.3	0.84	1.44	2.42
03	2.08	7.9	4.7	1.6	0.4	0.85	1.67	3.21
04	3.81	10.5	7.5	2.2	0.9	2.79	3.52	4.50
05	4.57	11.7	8.3	3.0	1.0	3.31	4.53	5.58
06	4.62	9.8	7.1	3.0	1.4	2.51	3.85	6.98
07	4.05	9.0	6.2	2.7	1.4	2.77	3.79	5.33
08	4.22	9.0	6.9	2.8	1.3	2.85	3.81	4.48
09	3.68	7.2	5.4	2.0	0.7	1.95	2.53	5.03
10	2.98	8.0	5.7	1.9	0.6	1.60	2.54	4.09
11	2.35	7.4	5.0	1.6	0.4	1.17	2.04	3.24
12	1.94	7.4	4.0	1.1	0.2	1.03	1.52	2.56
Summary	37.61	100.9	68.6	23.5	8.9	22.64	32.87	49.73

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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	8.00	4.4	3.3	1.1	0.4	0.0					2.90	7.00	13.20
02	9.10	3.5	2.6	1.3	0.5	0.1					0.50	8.80	11.00
03	2.40	1.1	0.7	0.2	0.1	0.0					0.00	1.00	3.30
04	0.40	0.4	0.3	0.1	0.0	0.0					0.00	0.00	0.40
05	0.00	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					0.00	0.00	0.00
07	0.00	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					0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
11	1.60	0.6	0.4	0.2	0.1	0.0					0.00	0.00	1.00
12	9.30	3.3	2.3	0.9	0.4	0.0					8.10	9.70	12.00
Summary	30.8	13.3	9.6	3.8	1.5	0.1	0.0	0.0	0.0	0.0	11.5	26.5	40.9

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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	2.9	10.3	76.8	257.9	580.2	856.4	1010.5	951.6	708.0	356.2	90.2	12.1
45	0.3	3.6	40.1	155.5	429.3	706.5	855.5	796.6	559.0	228.2	41.0	3.2
50	0.0	0.8	18.9	81.1	289.6	556.8	700.4	641.6	413.7	130.0	16.2	0.9
55	0.0	0.1	8.7	37.4	176.2	409.9	545.5	486.8	278.8	65.1	4.3	0.0
60	0.0	0.0	4.0	14.3	95.1	270.8	391.0	334.1	164.6	27.6	0.6	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.9	5.9	49.4	157.7	348.0	553.1	678.4	631.2	443.8	210.1	50.2	5.4

Growing Degree Units (Accumulated Monthly)												
40	3	13	90	348	928	1784	2795	3747	4455	4811	4901	4913
45	0	4	44	200	629	1335	2191	2987	3546	3775	3816	3819
50	0	1	20	101	390	947	1648	2289	2703	2833	2849	2850
55	0	0	9	46	222	632	1178	1665	1943	2008	2013	2013
60	0	0	4	18	113	384	775	1109	1274	1302	1302	1302
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	8	57	215	563	1116	1794	2426	2869	3080	3130	3135

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