

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 459 ft. Lat: 38.7003° N Lon: 88.0817° W

Station: **OLNEY 2S, IL US USC00116446**

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	37.8	20.8	29.3	4.3	4.8	4.4	1.0	0.4	0.1	0.0	0.0	0.0	797.3	858.8	951.5	1106.3	0.0	0.0	5.9	9.5	25.6	1.9
02	42.7	23.9	33.3	5.1	5.1	5.0	2.1	1.1	0.4	0.0	0.0	0.0	609.6	664.6	747.8	887.5	0.0	0.0	9.1	5.2	20.7	0.9
03	53.4	32.3	42.9	5.2	4.7	4.8	27.7	19.6	10.5	3.1	0.6	0.2	404.3	458.2	542.1	689.7	0.0	0.0	19.3	1.0	15.3	0.1
04	65.6	42.7	54.2	3.3	3.0	3.0	104.1	78.2	47.3	14.8	2.6	0.8	129.7	163.8	222.8	340.4	0.0	0.0	28.1	0.0	3.8	0.0
05	75.1	53.3	64.2	3.3	3.4	3.2	302.7	251.1	181.8	91.7	32.6	18.3	17.5	27.9	51.6	116.5	0.0	0.8	31.0	0.0	0.1	0.0
06	84.1	62.4	73.2	2.2	2.3	2.0	547.5	487.8	399.4	257.3	134.0	94.2	0.2	0.6	2.1	10.0	0.1	7.0	30.0	0.0	0.0	0.0
07	86.8	65.6	76.2	3.0	2.5	2.6	657.1	595.1	502.1	347.6	201.2	148.8	0.0	0.0	0.0	0.5	0.4	11.0	31.0	0.0	0.0	0.0
08	85.8	63.8	74.8	2.7	2.6	2.4	613.7	551.6	458.7	305.4	163.9	115.9	0.0	0.0	0.1	1.8	0.2	8.5	31.0	0.0	0.0	0.0
09	80.4	55.8	68.1	3.1	3.0	2.8	398.3	342.3	261.9	146.0	63.0	40.0	5.4	9.5	19.1	53.2	0.1	4.2	30.0	0.0	0.0	0.0
10	68.5	44.3	56.4	2.9	2.6	2.4	140.1	108.3	69.5	27.7	8.2	4.4	96.8	127.0	181.2	294.4	0.0	0.2	30.0	0.0	3.4	0.0
11	53.9	33.5	43.7	5.2	3.9	4.3	21.4	14.0	6.6	1.5	0.1	0.0	360.3	412.9	495.5	640.4	0.0	0.0	19.4	0.6	13.6	0.0
12	42.3	25.7	34.0	4.7	4.4	4.5	2.5	1.4	0.4	0.0	0.0	0.0	653.4	714.3	806.3	960.9	0.0	0.0	8.5	5.7	22.3	0.4
Summary	64.7	43.7	54.2	3.8	3.5	3.4	2818	2451	1939	1195	606	423	3075	3438	4020	5102	0.8	31.7	273.3	22.0	104.8	3.3

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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

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	3.52	10.6	5.9	2.2	0.9	1.97	3.34	4.55
02	2.57	8.7	4.9	1.7	0.6	1.41	2.56	3.36
03	4.21	11.8	7.1	3.0	1.0	3.12	3.69	5.25
04	5.02	11.2	7.9	3.5	1.5	3.22	4.48	6.06
05	5.60	12.7	8.6	3.1	1.7	2.96	4.41	8.27
06	4.79	10.5	7.1	3.7	1.3	2.44	4.63	6.70
07	4.96	9.2	6.1	3.2	1.6	3.21	5.04	6.18
08	3.19	8.1	4.9	2.2	0.9	2.02	2.77	3.62
09	3.31	7.7	4.6	2.0	0.9	1.29	3.41	4.33
10	3.83	9.1	5.6	2.4	1.2	2.29	3.54	5.35
11	4.26	9.6	6.2	2.8	1.2	2.74	4.25	5.71
12	3.50	10.9	6.6	2.5	0.8	2.13	3.27	5.00
Summary	48.76	120.1	75.5	32.3	13.6	28.80	45.39	64.38

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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	3.60	2.9	1.5	0.5	0.2	0.0	5.3	2.9	1.6	0.1	0.70	3.00	3.90
02	2.60	2.1	0.8	0.3	0.1	0.0	3.3	1.6	0.6	0.0	0.10	1.00	2.40
03	1.10	0.7	0.4	0.1	0.1	0.0	1.0	0.3	0.2	0.0	0.00	0.00	1.50
04	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
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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.50	0.4	0.2	0.1	0.0	0.0	0.4	0.1	0.0	0.0	0.00	0.00	0.00
12	2.70	1.9	1.1	0.4	0.2	0.0	3.5	1.8	1.2	0.1	0.00	1.30	4.10
Summary	10.5	8.0	4.0	1.4	0.6	0.0	13.5	6.7	3.6	0.2	0.8	5.3	11.9

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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	30.3	51.9	182.5	433.6	750.2	997.1	1122.0	1078.5	842.8	512.2	187.1	55.7
45	12.6	22.6	106.9	302.8	595.5	847.2	967.1	923.6	692.9	366.8	106.7	24.4
50	4.7	8.2	57.4	190.8	443.7	697.2	812.1	768.6	543.9	240.3	52.8	9.1
55	1.0	2.1	27.7	104.1	302.7	547.5	657.1	613.7	398.3	140.1	21.4	2.5
60	0.1	0.4	10.5	47.3	181.8	399.4	502.1	458.7	261.9	69.5	6.6	0.4
Growing Degree Units for Corn (Monthly)												
50/86	16.5	32.5	113.2	262.0	471.5	675.9	773.4	737.7	549.2	317.6	109.5	28.1

Growing Degree Units (Accumulated Monthly)												
40	30	82	265	698	1448	2446	3568	4646	5489	6001	6188	6244
45	13	35	142	445	1040	1888	2855	3778	4471	4838	4945	4969
50	5	13	70	261	705	1402	2214	2983	3527	3767	3820	3829
55	1	3	31	135	438	985	1642	2256	2654	2794	2816	2818
60	0	0	11	58	240	640	1142	1600	1862	1932	1938	1939
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	16	49	162	424	896	1572	2345	3083	3632	3949	4059	4087

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