

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 501 ft. Lat: 38.6250° N Lon: 89.3631° W

Station: CARLYLE RSVR, IL US USC00111290

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	39.1	21.5	30.3	4.2	4.6	4.2	1.0	0.3	0.1	0.0	0.0	0.0	766.4	827.8	920.6	1075.3	0.0	0.0	6.2	10.7	26.5	2.1
02	44.8	24.9	34.8	5.6	5.4	5.3	3.9	2.0	0.8	0.1	0.0	0.0	568.0	622.2	705.0	844.1	0.0	0.0	8.8	5.8	21.9	0.5
03	54.8	34.5	44.6	5.1	4.3	4.5	32.0	22.3	12.2	3.6	0.4	0.1	352.8	405.2	488.1	634.4	0.0	0.0	18.3	1.5	13.4	0.0
04	66.6	44.8	55.7	3.4	3.3	3.2	126.9	97.0	61.8	22.4	4.9	2.2	106.0	136.1	190.8	301.5	0.0	0.0	27.5	0.0	2.9	0.0
05	75.9	55.9	65.9	3.3	3.3	3.2	348.1	293.3	218.2	117.4	48.2	30.0	10.2	17.4	35.4	89.5	0.0	0.5	31.0	0.0	0.0	0.0
06	84.8	64.9	74.9	2.7	2.0	2.2	595.4	535.6	446.4	301.9	170.5	125.2	0.0	0.2	1.0	6.6	0.1	6.6	30.0	0.0	0.0	0.0
07	88.3	68.1	78.2	3.1	2.6	2.8	719.1	657.1	564.1	409.3	258.7	202.3	0.0	0.0	0.0	0.3	0.4	11.6	31.0	0.0	0.0	0.0
08	87.4	66.2	76.8	3.0	2.9	2.8	675.6	613.7	520.8	366.9	220.8	167.5	0.0	0.0	0.1	1.4	0.1	9.4	31.0	0.0	0.0	0.0
09	81.0	58.1	69.5	2.7	3.1	2.7	440.1	383.4	301.0	176.9	84.9	57.5	3.7	6.9	14.5	40.5	0.0	3.3	30.0	0.0	0.0	0.0
10	69.5	46.3	57.9	2.9	2.3	2.3	167.0	131.0	87.0	37.7	11.9	6.6	77.2	103.2	152.1	257.8	0.0	0.3	29.7	0.0	1.6	0.0
11	55.1	35.5	45.3	5.2	3.8	4.3	27.8	18.4	8.8	1.8	0.2	0.0	318.7	369.4	449.8	592.8	0.0	0.0	19.1	0.6	11.7	0.0
12	43.3	26.3	34.8	4.3	4.6	4.3	2.1	0.9	0.2	0.0	0.0	0.0	628.1	689.0	781.3	936.0	0.0	0.0	8.6	6.1	22.5	0.2
Summary	65.9	45.6	55.7	3.8	3.5	3.5	3139	2755	2221	1438	800	591	2831	3177	3739	4780	0.6	31.7	271.2	24.7	100.5	2.8

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	3.05	9.8	5.3	2.1	0.8	1.60	2.61	3.90
02	2.45	9.0	5.5	1.7	0.4	1.25	2.59	3.29
03	3.67	11.0	6.6	2.5	0.8	2.55	3.19	4.50
04	4.90	11.4	8.1	3.5	1.4	2.87	4.44	5.57
05	5.23	12.4	8.7	4.0	1.5	3.51	5.01	6.90
06	4.87	10.6	7.4	3.5	1.9	2.93	4.73	6.32
07	4.24	8.5	6.1	3.1	1.3	3.00	4.02	5.45
08	3.59	8.1	5.3	2.6	1.1	2.07	3.42	4.65
09	3.65	7.7	4.9	2.4	1.2	2.22	2.85	4.11
10	3.39	9.1	5.4	2.5	0.9	2.22	2.85	4.25
11	3.72	9.4	6.0	2.6	1.0	2.08	3.56	5.31
12	3.10	11.0	6.0	2.1	0.8	1.82	2.87	3.92
Summary	45.86	118.0	75.3	32.6	13.1	28.12	42.14	58.17

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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	37.0	65.5	213.2	476.4	802.9	1045.2	1184.0	1140.5	886.3	556.5	217.5	60.4
45	14.6	29.9	126.0	341.4	648.0	895.3	1029.1	985.6	736.5	408.3	126.1	24.5
50	4.8	11.9	68.0	222.7	494.5	745.3	874.1	830.6	587.2	275.0	63.4	8.2
55	1.0	3.9	32.0	126.9	348.1	595.4	719.1	675.6	440.1	167.0	27.8	2.1
60	0.1	0.8	12.2	61.8	218.2	446.4	564.1	520.8	301.0	87.0	8.8	0.2
Growing Degree Units for Corn (Monthly)												
50/86	23.4	44.9	128.7	281.6	505.4	713.9	817.2	783.3	580.4	334.6	121.1	32.1

Growing Degree Units (Accumulated Monthly)												
40	37	102	316	792	1595	2640	3824	4965	5851	6408	6625	6685
45	15	44	170	512	1160	2055	3084	4070	4806	5215	5341	5365
50	5	17	85	307	802	1547	2421	3252	3839	4114	4177	4186
55	1	5	37	164	512	1107	1826	2502	2942	3109	3137	3139
60	0	1	13	75	293	740	1304	1824	2125	2212	2221	2221
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	23	68	197	479	984	1698	2515	3298	3879	4213	4335	4367

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