

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 490 ft. Lat: 38.9578° N Lon: 89.0953° W
Station: VANDALIA, IL US USC00118781

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	36.9	20.7	28.8	4.2	4.5	4.2	0.9	0.5	0.1	0.0	0.0	0.0	812.9	874.5	967.1	1122.0	0.0	0.0	5.1	11.4	26.0	1.5
02	41.9	24.2	33.0	5.4	4.8	5.0	1.8	1.1	0.5	0.0	0.0	0.0	616.3	671.6	755.0	894.5	0.0	0.0	8.1	5.9	22.0	0.4
03	52.7	33.2	42.9	5.2	4.1	4.5	30.0	22.0	12.3	2.8	0.2	0.0	403.6	457.6	540.8	686.4	0.0	0.0	18.0	1.6	15.6	0.0
04	65.1	43.3	54.2	3.4	3.1	3.1	106.1	80.2	49.7	16.8	3.6	1.4	130.1	164.2	223.7	340.8	0.0	0.0	27.6	0.0	3.8	0.0
05	74.9	54.2	64.6	3.4	3.3	3.2	310.9	258.8	188.5	97.3	38.5	23.3	14.8	24.8	47.4	111.2	0.0	1.0	31.0	0.0	0.0	0.0
06	83.7	63.2	73.5	2.3	2.2	2.0	553.5	493.9	405.9	265.4	143.9	103.3	0.1	0.6	2.6	12.1	0.1	6.7	30.0	0.0	0.0	0.0
07	86.8	66.6	76.7	2.9	2.4	2.5	672.7	610.7	517.6	363.1	215.3	162.6	0.0	0.0	0.0	0.5	0.6	11.1	31.0	0.0	0.0	0.0
08	85.9	64.4	75.2	2.7	2.6	2.5	624.5	562.5	469.6	316.5	175.0	126.8	0.0	0.0	0.1	2.0	0.2	9.0	31.0	0.0	0.0	0.0
09	79.6	55.8	67.7	3.0	2.7	2.7	386.6	330.8	251.2	137.7	58.4	36.8	5.7	9.8	20.3	56.8	0.0	2.8	30.0	0.0	0.0	0.0
10	67.7	44.0	55.8	2.6	2.4	2.2	128.7	97.5	60.3	21.4	5.8	2.9	102.3	133.2	189.0	305.0	0.0	0.2	29.8	0.0	3.2	0.0
11	53.7	34.1	43.9	5.4	4.0	4.5	23.0	14.7	6.5	1.2	0.1	0.0	355.9	407.7	489.4	634.2	0.0	0.0	18.6	0.9	13.3	0.0
12	41.5	25.6	33.6	4.6	4.4	4.4	2.0	1.0	0.3	0.0	0.0	0.0	666.9	727.9	820.1	974.8	0.0	0.0	6.9	6.9	24.6	0.2
Summary	64.2	44.1	54.2	3.8	3.4	3.4	2841	2474	1962	1222	641	457	3109	3472	4055	5140	0.9	30.8	267.1	26.7	108.5	2.1

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	2.97	8.9	5.9	2.3	1.0	1.58	2.27	3.92	
02	2.49	7.2	4.6	1.7	0.6	1.31	2.29	3.40	
03	3.32	9.5	6.3	2.4	0.9	2.53	3.12	4.29	
04	4.86	11.0	8.2	3.2	1.1	2.78	4.25	6.49	
05	5.30	12.4	8.8	3.3	1.4	3.74	5.05	6.95	
06	4.87	9.9	7.3	3.0	1.4	2.68	4.12	6.57	
07	3.90	8.0	6.0	3.0	1.4	2.54	3.57	5.15	
08	3.24	7.4	5.3	2.3	0.8	1.73	2.91	4.76	
09	3.07	6.8	4.7	2.0	0.9	1.47	2.61	4.08	
10	3.26	8.2	5.6	2.6	1.0	1.98	3.04	4.24	
11	3.76	9.2	6.6	2.8	1.1	2.20	3.34	5.22	
12	2.69	8.3	5.3	1.7	0.6	1.54	2.42	3.24	
Summary	43.73	106.8	74.6	30.3	12.2	26.08	38.99	58.31	

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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	25.7	45.6	183.5	435.5	761.0	1003.1	1137.5	1089.3	830.8	494.7	191.4	49.5
45	10.4	19.2	107.4	303.8	606.2	853.2	982.6	934.4	680.9	350.5	109.1	21.2
50	3.6	5.9	59.2	191.0	453.6	703.3	827.6	779.5	532.4	227.5	55.5	7.6
55	0.9	1.8	30.0	106.1	310.9	553.5	672.7	624.5	386.6	128.7	23.0	2.0
60	0.1	0.5	12.3	49.7	188.5	405.9	517.6	469.6	251.2	60.3	6.5	0.3
Growing Degree Units for Corn (Monthly)												
50/86	14.6	29.5	111.5	256.4	471.7	678.4	785.6	744.1	536.6	299.2	108.9	24.8

Growing Degree Units (Accumulated Monthly)												
40	26	71	255	690	1451	2454	3592	4681	5512	6007	6198	6248
45	10	30	137	441	1047	1900	2883	3817	4498	4849	4958	4979
50	4	10	69	260	713	1417	2244	3024	3556	3784	3839	3847
55	1	3	33	139	450	1003	1676	2300	2687	2816	2839	2841
60	0	1	13	63	251	657	1175	1644	1895	1956	1962	1962
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	15	44	156	412	884	1562	2348	3092	3628	3928	4036	4061

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