

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 750 ft. Lat: 40.9125° N Lon: 89.0339° W
Station: MINONK, IL US USC00115712

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	32.8	15.2	24.0	4.8	5.2	4.9	0.3	0.2	0.0	0.0	0.0	0.0	961.0	1022.8	1115.5	1270.7	0.0	0.0	2.7	14.8	28.8	5.1
02	37.5	18.8	28.1	5.8	6.2	5.9	0.8	0.4	0.2	0.0	0.0	0.0	752.5	808.1	891.7	1031.7	0.0	0.0	4.3	8.9	25.6	2.8
03	49.6	28.6	39.1	5.2	4.4	4.7	14.5	9.7	5.7	1.8	0.1	0.0	507.4	564.7	653.6	804.7	0.0	0.0	14.8	2.5	21.6	0.3
04	62.7	38.8	50.7	3.8	3.1	3.3	66.6	48.5	28.2	9.5	1.9	0.6	194.1	236.0	305.7	437.0	0.0	0.0	25.8	0.0	8.2	0.0
05	74.2	50.8	62.5	3.8	3.6	3.5	263.8	218.4	159.1	82.7	33.7	20.9	31.3	48.0	81.7	160.3	0.0	1.3	30.8	0.0	0.6	0.0
06	83.1	60.6	71.8	2.5	1.9	2.0	506.4	447.6	361.0	226.5	116.5	81.9	1.1	2.3	5.7	21.2	0.0	6.6	30.0	0.0	0.0	0.0
07	86.1	63.9	75.0	3.3	2.6	2.7	619.9	557.8	464.9	312.7	175.6	128.9	0.0	0.0	0.0	2.8	0.5	9.4	31.0	0.0	0.0	0.0
08	84.3	61.7	73.0	2.5	2.9	2.6	558.0	496.1	403.8	254.7	127.3	87.9	0.0	0.2	1.0	6.8	0.0	6.1	31.0	0.0	0.0	0.0
09	79.0	53.7	66.4	3.4	2.8	2.9	350.4	296.8	222.7	121.7	53.1	34.7	10.0	16.5	32.4	81.4	0.0	3.4	30.0	0.0	0.1	0.0
10	66.0	42.0	54.0	3.1	2.5	2.5	107.3	81.4	51.4	19.1	5.3	2.9	138.3	174.5	237.4	360.1	0.0	0.1	28.9	0.0	5.2	0.0
11	50.6	31.0	40.8	5.6	4.1	4.7	14.1	8.8	3.9	0.7	0.0	0.0	440.0	494.7	579.8	726.6	0.0	0.0	15.9	1.6	17.9	0.0
12	38.1	21.1	29.6	5.0	5.5	5.1	1.2	0.7	0.2	0.0	0.0	0.0	788.4	849.9	942.3	1097.3	0.0	0.0	4.7	9.5	27.2	2.1
Summary	62.0	40.5	51.2	4.1	3.7	3.7	2503	2166	1701	1029	514	358	3824	4218	4847	6001	0.5	26.9	249.9	37.3	135.2	10.3

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	1.99	8.8	4.5	1.3	0.4	1.00	1.87	2.63
02	1.84	7.6	4.0	1.1	0.3	0.82	1.62	2.70
03	2.51	9.4	6.0	1.4	0.4	1.39	2.05	3.34
04	3.66	11.7	7.7	2.3	0.6	2.08	3.28	4.74
05	4.60	12.7	8.2	3.2	1.1	2.98	4.21	5.71
06	3.98	10.3	6.6	2.7	1.0	2.48	3.38	5.09
07	3.82	9.2	6.0	2.6	1.1	1.96	3.24	5.58
08	3.48	9.1	6.1	2.3	0.9	1.58	3.24	4.60
09	3.87	8.1	5.8	2.3	0.9	1.51	3.54	4.42
10	3.08	9.6	6.2	2.1	0.6	1.61	2.85	3.88
11	2.61	9.2	5.9	1.8	0.5	1.85	2.33	3.36
12	2.21	8.4	5.1	1.2	0.5	1.44	1.83	2.80
Summary	37.65	114.1	72.1	24.3	8.3	20.70	33.44	48.85

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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	5.90	4.6	2.3	0.6	0.2	0.0	13.5	7.5	4.6	1.0	3.00	4.40	6.90
02	5.20	3.6	1.9	0.6	0.2	0.0	8.7	5.8	2.6	0.3	1.00	2.30	10.20
03	3.20	1.6	1.2	0.3	0.1	0.0	3.4	1.5	0.7	0.1	0.40	2.50	4.50
04	0.80	0.3	0.2	0.0	0.0	0.0	0.3	0.1	0.1	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	0.00	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	1.10	1.1	0.4	0.1	0.0	0.0	1.3	0.3	0.1	0.0	0.00	0.10	1.50
12	5.50	3.7	1.9	0.6	0.0	0.0	7.7	3.7	1.9	0.4	2.90	4.90	6.50
Summary	21.7	14.9	7.9	2.2	0.5	0.0	34.9	18.9	10.0	1.8	7.3	14.2	29.7

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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	10.2	22.4	120.5	343.3	697.6	955.3	1084.8	1022.9	790.3	440.9	138.0	25.7
45	2.7	8.9	66.0	224.1	544.0	805.3	929.9	867.9	640.8	304.3	74.2	9.2
50	0.7	3.1	33.7	130.9	396.0	655.4	774.9	712.9	492.9	191.9	36.0	3.4
55	0.3	0.8	14.5	66.6	263.8	506.4	619.9	558.0	350.4	107.3	14.1	1.2
60	0.0	0.2	5.7	28.2	159.1	361.0	464.9	403.8	222.7	51.4	3.9	0.2
Growing Degree Units for Corn (Monthly)												
50/86	6.3	14.8	79.2	211.7	433.8	634.5	735.6	689.2	507.9	270.7	79.8	14.2
Growing Degree Units (Accumulated Monthly)												
40	10	33	153	496	1194	2149	3234	4257	5047	5488	5626	5652
45	3	12	78	302	846	1651	2581	3449	4090	4394	4468	4477
50	1	4	38	168	564	1220	1995	2708	3200	3392	3428	3432
55	0	1	16	82	346	852	1472	2030	2381	2488	2502	2503
60	0	0	6	34	193	554	1019	1423	1646	1697	1701	1701
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	6	21	100	312	746	1380	2116	2805	3313	3584	3664	3678

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