

Summary of Monthly Normals
1991-2020

Generated on 04/30/2024

Current Location: Elev: 1210 ft. Lat: 45.5794° N Lon: 94.3919° W

Station: COLLEGEVILLE ST JOHN'S, MN US USC00211691

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	20.8	3.8	12.3	5.3	6.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0	1323.4	1385.4	1478.5	1633.5	0.0	0.0	0.2	24.5	30.9	12.3
02	26.1	7.8	17.0	6.0	7.2	6.5	0.0	0.0	0.0	0.0	0.0	0.0	1065.2	1121.2	1205.3	1345.3	0.0	0.0	0.7	18.0	27.2	8.0
03	38.7	20.2	29.5	5.5	5.5	5.4	1.5	0.7	0.2	0.0	0.0	0.0	793.6	854.8	947.3	1102.1	0.0	0.0	6.4	7.4	25.4	2.5
04	54.1	33.1	43.6	4.6	3.8	4.1	18.0	11.4	5.2	1.1	0.2	0.1	360.0	413.4	497.2	643.2	0.0	0.1	20.3	0.8	12.9	0.0
05	67.3	46.0	56.6	3.6	2.9	3.1	135.7	102.9	64.7	25.2	7.1	3.8	84.7	113.9	168.6	284.1	0.0	0.6	29.9	0.0	1.4	0.0
06	76.6	55.9	66.3	2.6	2.4	2.4	341.6	285.6	207.6	99.7	33.8	19.5	4.2	8.2	20.2	62.3	0.1	1.4	30.0	0.0	0.0	0.0
07	80.9	60.8	70.9	3.2	2.5	2.8	491.2	429.4	337.8	193.7	81.3	50.7	0.0	0.2	1.6	12.5	0.0	4.4	31.0	0.0	0.0	0.0
08	78.4	58.8	68.6	2.6	2.0	2.2	422.0	360.9	271.5	138.6	47.7	26.7	0.5	1.4	5.0	27.0	0.0	1.8	31.0	0.0	0.0	0.0
09	70.5	50.7	60.6	3.0	2.9	2.8	204.2	161.3	107.0	44.3	11.9	5.8	36.3	53.5	89.1	176.4	0.0	0.5	29.9	0.0	0.2	0.0
10	55.8	37.9	46.8	4.2	2.9	3.3	35.4	24.3	12.7	3.0	0.2	0.0	288.0	338.9	420.3	565.6	0.0	0.0	22.9	0.4	7.8	0.0
11	38.9	24.1	31.5	6.6	5.1	5.7	1.7	0.8	0.2	0.0	0.0	0.0	706.6	765.8	855.2	1005.0	0.0	0.0	6.8	8.0	22.8	0.4
12	25.7	10.9	18.3	5.6	6.1	5.7	0.0	0.0	0.0	0.0	0.0	0.0	1137.5	1199.5	1292.6	1447.6	0.0	0.0	0.5	19.9	30.5	6.4
Summary	52.8	34.2	43.5	4.4	4.1	4.2	1651	1377	1007	506	182	107	5800	6256	6981	8305	0.1	8.8	209.6	79.0	159.1	29.6

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	0.82	6.8	2.4	0.3	0.0	0.27	0.70	1.20
02	0.89	6.1	3.0	0.3	0.0	0.45	0.92	1.23
03	1.72	7.7	4.2	0.9	0.2	1.20	1.48	1.99
04	2.72	8.7	5.8	1.9	0.6	1.42	2.58	3.68
05	3.96	11.3	7.3	2.8	1.1	2.34	3.65	5.30
06	4.60	11.3	7.9	3.3	1.3	3.49	4.53	5.84
07	3.90	9.7	6.4	2.6	1.2	1.99	3.63	5.06
08	4.09	9.4	6.4	2.9	1.2	2.33	3.79	5.77
09	2.96	9.4	5.5	1.8	0.8	1.78	2.64	3.74
10	2.75	9.0	5.6	1.7	0.7	1.34	2.60	3.95
11	1.63	6.7	3.4	1.0	0.4	0.52	1.28	2.27
12	1.00	7.2	3.0	0.3	0.0	0.40	1.01	1.46
Summary	31.04	103.3	60.9	19.8	7.5	17.53	28.81	41.49

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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	11.20	7.2	3.3	1.3	0.3	0.1	28.7	24.7	22.3	12.3	5.00	8.40	17.30
02	10.20	6.0	3.0	1.1	0.6	0.0	26.1	22.6	20.6	12.1	5.00	9.40	15.10
03	10.10	4.9	2.8	1.3	0.7	0.0	17.0	14.6	12.5	7.0	5.30	9.60	14.60
04	6.60	1.9	1.5	0.9	0.5	0.0	3.6	2.7	1.8	0.5	0.10	4.80	9.80
05	0.10	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	0.70	0.5	0.3	0.1	0.1	0.0	0.4	0.2	0.0	0.0	0.00	0.00	0.40
11	8.00	3.7	2.0	0.8	0.4	0.2	8.1	5.8	3.6	1.2	0.70	6.10	13.40
12	10.50	8.0	3.2	1.1	0.5	0.0	21.6	16.1	12.1	4.7	4.60	8.00	16.20
Summary	57.4	32.2	16.1	6.6	3.1	0.3	105.5	86.7	72.9	37.8	20.7	46.3	86.8

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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	0.1	1.8	31.7	185.5	518.0	787.4	956.1	886.4	618.0	256.4	41.1	0.7
45	0.0	0.3	13.1	103.2	371.7	637.3	801.1	731.4	469.8	152.2	17.3	0.1
50	0.0	0.0	4.9	47.7	240.5	488.1	646.2	576.5	329.0	79.1	6.3	0.0
55	0.0	0.0	1.5	18.0	135.7	341.6	491.2	422.0	204.2	35.4	1.7	0.0
60	0.0	0.0	0.2	5.2	64.7	207.6	337.8	271.5	107.0	12.7	0.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	1.0	19.2	112.7	300.0	494.0	635.9	574.3	363.3	135.3	21.5	0.5

Growing Degree Units (Accumulated Monthly)												
40	0	2	34	219	737	1524	2481	3367	3985	4241	4282	4283
45	0	0	13	117	488	1126	1927	2658	3128	3280	3297	3298
50	0	0	5	53	293	781	1427	2004	2333	2412	2418	2418
55	0	0	2	20	155	497	988	1410	1614	1650	1651	1651
60	0	0	0	5	70	278	616	887	994	1007	1007	1007
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	20	133	433	927	1563	2137	2500	2636	2657	2658

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

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