

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 1030 ft. Lat: 43.8836° N Lon: 94.1664° W

Station: **AMBOY, MN US USC00210157**

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	25.5	8.3	16.9	4.6	6.2	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1180.8	1242.8	1335.8	1490.8	0.0	0.0	0.4	21.4	30.6	11.2
02	30.2	12.2	21.2	6.3	7.8	7.0	0.0	0.0	0.0	0.0	0.0	0.0	946.2	1002.2	1086.2	1226.2	0.0	0.0	1.4	15.2	27.0	6.7
03	42.8	24.3	33.5	5.8	4.8	5.2	6.2	4.1	2.0	0.5	0.0	0.0	671.1	731.0	821.9	975.4	0.0	0.0	8.8	6.2	24.7	1.8
04	59.4	36.3	47.8	5.0	3.8	4.2	45.4	31.8	17.6	5.2	0.9	0.4	259.9	306.3	382.2	519.7	0.0	0.2	21.4	0.3	10.8	0.0
05	72.5	48.7	60.6	3.6	3.4	3.3	219.6	177.3	122.2	58.7	22.1	13.8	46.0	65.8	103.6	195.1	0.1	1.6	30.4	0.0	1.4	0.0
06	81.7	59.5	70.6	2.5	2.5	2.3	469.3	411.3	325.9	194.2	89.4	59.8	1.5	3.4	8.1	26.4	0.1	4.6	30.0	0.0	0.0	0.0
07	84.1	62.6	73.4	3.2	2.7	2.8	568.7	506.7	414.0	265.5	135.7	93.6	0.0	0.0	0.3	6.7	0.0	6.0	31.0	0.0	0.0	0.0
08	81.6	59.8	70.7	2.5	2.4	2.3	486.7	425.3	334.3	191.9	81.4	50.8	0.1	0.7	2.7	15.3	0.0	2.4	31.0	0.0	0.0	0.0
09	75.9	51.6	63.7	3.1	3.2	2.8	283.9	235.6	170.0	85.5	31.6	19.1	21.5	33.2	57.6	123.1	0.0	1.5	29.9	0.0	0.7	0.0
10	61.5	39.2	50.4	4.2	2.7	3.2	67.2	50.0	30.3	10.6	3.0	1.4	211.3	256.1	329.5	464.8	0.0	0.1	26.0	0.1	8.6	0.0
11	44.2	26.4	35.3	7.0	4.8	5.7	3.0	1.6	0.7	0.0	0.0	0.0	594.0	652.6	741.7	891.0	0.0	0.0	9.8	5.7	22.0	0.4
12	30.4	14.3	22.4	5.6	5.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0	1012.0	1074.0	1167.0	1322.0	0.0	0.0	1.4	17.0	30.2	5.5
Summary	57.5	36.9	47.2	4.5	4.2	4.1	2150	1844	1417	812	364	239	4944	5368	6037	7257	0.2	16.4	221.5	65.9	156.0	25.6

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	0.83	5.3	2.4	0.3	0.1	0.36	0.66	0.94	
02	0.87	5.2	2.3	0.4	0.0	0.62	0.76	1.14	
03	1.67	6.7	4.3	1.0	0.2	1.22	1.69	2.04	
04	3.30	9.4	6.4	2.3	0.9	1.87	3.19	4.31	
05	4.27	10.7	7.3	2.6	1.0	2.80	3.90	6.25	
06	5.26	10.7	8.0	3.6	1.7	3.42	4.85	6.08	
07	4.15	8.4	6.1	3.0	1.4	3.11	4.15	4.92	
08	3.93	8.0	5.6	2.5	1.2	2.24	3.14	5.51	
09	3.34	6.9	5.1	2.0	0.8	1.55	2.19	4.55	
10	2.56	6.9	4.8	1.9	0.7	1.26	1.94	3.59	
11	1.47	5.0	3.2	0.7	0.2	0.69	1.20	1.89	
12	1.12	6.6	3.0	0.4	0.1	0.66	1.01	1.45	
Summary	32.77	89.8	58.5	20.7	8.3	19.80	28.68	42.67	

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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

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	10.40	4.3	3.3	1.2	0.5	0.1	25.2	17.7	13.2	4.6	5.60	8.20	14.80
02	8.90	4.3	3.0	1.1	0.3	0.0	18.8	14.7	11.2	3.5	6.20	8.40	12.50
03	7.40	2.5	2.1	1.1	0.5	0.1	10.8	7.5	5.4	1.5	4.10	8.20	10.10
04	3.50	1.2	1.1	0.5	0.3	0.0	1.5	0.8	0.4	0.0	0.00	1.60	2.50
05	0.10	0.1	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	0.40	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	4.80	2.0	1.5	0.5	0.2	0.0	5.4	3.0	1.5	0.3	0.70	4.00	5.70
12	10.80	5.0	4.1	1.5	0.5	0.0	18.5	13.5	8.2	2.1	4.10	10.10	12.90
Summary	46.3	19.6	15.3	5.9	2.3	0.2	80.2	57.2	39.9	12.0	20.7	40.5	58.5

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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	0.8	6.2	68.7	278.6	639.0	917.6	1033.6	951.5	712.2	343.6	72.9	4.7
45	0.1	1.6	35.0	176.0	486.9	767.7	878.6	796.5	563.4	223.4	32.9	1.4
50	0.0	0.2	15.5	96.7	343.9	617.9	723.7	641.6	418.9	130.3	11.8	0.1
55	0.0	0.0	6.2	45.4	219.6	469.3	568.7	486.7	283.9	67.2	3.0	0.0
60	0.0	0.0	2.0	17.6	122.2	325.9	414.0	334.3	170.0	30.3	0.7	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.0	3.6	43.7	173.3	388.2	603.1	699.3	633.9	449.7	205.6	42.7	2.6

Growing Degree Units (Accumulated Monthly)												
40	1	7	76	354	993	1911	2944	3896	4608	4952	5025	5029
45	0	2	37	213	700	1467	2346	3142	3706	3929	3962	3964
50	0	0	16	112	456	1074	1798	2440	2858	2989	3001	3001
55	0	0	6	52	271	740	1309	1796	2080	2147	2150	2150
60	0	0	2	20	142	468	882	1216	1386	1416	1417	1417
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	5	48	222	610	1213	1912	2546	2996	3201	3244	3247

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

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