

Summary of Monthly Normals
1991-2020

Current Location: Elev: 930 ft. Lat: 43.6725° N Lon: 92.0747° W
Station: PRESTON, MN US USC00216654

Generated on 04/27/2024

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	23.6	4.1	13.8	4.8	6.4	5.5	0.0	0.0	0.0	0.0	0.0	0.0	1275.4	1337.4	1430.4	1585.3	0.0	0.0	0.4	22.6	30.8	11.4
02	28.2	8.0	18.1	6.1	7.6	6.8	0.0	0.0	0.0	0.0	0.0	0.0	1033.1	1089.1	1173.1	1313.0	0.0	0.0	1.0	16.8	26.9	7.9
03	40.9	20.6	30.7	5.6	5.0	5.1	4.0	2.7	1.3	0.3	0.0	0.0	755.8	816.5	908.1	1062.1	0.0	0.0	6.9	6.6	25.4	1.8
04	55.4	32.1	43.7	4.5	3.3	3.6	20.6	13.7	7.0	2.1	0.2	0.1	358.1	411.3	494.5	639.7	0.0	0.0	20.9	0.5	13.9	0.0
05	67.6	43.7	55.7	3.4	3.0	2.9	121.9	92.5	57.6	21.5	5.7	3.0	101.7	134.4	192.5	311.4	0.0	0.5	29.8	0.0	2.8	0.0
06	77.7	54.0	65.9	2.3	2.4	2.1	332.4	278.0	201.9	97.4	33.7	19.8	7.1	12.7	26.5	72.0	0.0	1.5	30.0	0.0	0.0	0.0
07	81.1	58.2	69.6	3.2	2.8	2.9	454.2	393.0	302.9	165.9	65.6	39.7	0.2	1.0	3.8	21.8	0.1	3.2	31.0	0.0	0.0	0.0
08	79.3	55.7	67.5	2.7	2.7	2.5	388.2	327.8	241.1	118.1	40.4	23.7	0.7	2.4	8.7	40.7	0.0	1.7	31.0	0.0	0.0	0.0
09	72.5	47.3	59.9	3.2	3.1	2.9	193.7	153.1	101.9	42.9	12.5	6.4	46.8	66.2	105.0	196.0	0.0	0.5	29.8	0.0	1.1	0.0
10	58.8	34.6	46.7	3.5	2.8	2.8	36.0	24.6	13.4	4.1	1.0	0.6	293.3	343.9	425.7	571.4	0.0	0.1	24.9	0.1	12.1	0.0
11	42.7	23.2	33.0	6.5	4.4	5.3	2.1	1.1	0.3	0.0	0.0	0.0	663.6	722.6	811.8	961.5	0.0	0.0	9.3	5.1	23.3	0.4
12	29.4	11.7	20.5	5.4	5.8	5.5	0.1	0.0	0.0	0.0	0.0	0.0	1067.9	1129.9	1222.9	1377.8	0.0	0.0	0.8	16.8	29.9	5.7
Summary	54.8	32.8	43.8	4.3	4.1	4.0	1553	1286	927	452	159	93	5604	6067	6803	8153	0.1	7.5	215.8	68.5	166.2	27.2

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	1.09	8.4	3.5	0.4	0.0	0.59	0.99	1.34	
02	1.18	7.0	3.2	0.6	0.1	0.77	1.07	1.39	
03	2.00	8.6	4.6	1.1	0.4	1.20	2.10	2.71	
04	3.84	11.0	6.8	2.6	1.1	2.39	3.70	5.08	
05	4.52	13.8	8.7	3.1	1.0	3.49	4.17	5.42	
06	5.95	13.1	8.8	3.8	1.7	3.94	5.18	7.99	
07	4.17	10.6	7.1	2.8	1.2	2.62	3.64	5.06	
08	4.29	10.4	6.5	2.8	1.3	3.05	3.80	5.38	
09	3.68	9.6	5.7	2.3	1.1	1.71	2.48	4.28	
10	2.73	9.9	5.5	1.7	0.5	1.18	2.11	3.24	
11	1.89	7.4	4.2	1.2	0.3	1.00	1.83	2.52	
12	1.44	8.9	4.1	0.7	0.1	0.75	1.28	1.97	
Summary	36.78	118.7	68.7	23.1	8.8	22.69	32.35	46.38	

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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	11.00	7.9	3.2	1.1	0.5	0.0	25.3	21.1	16.4	6.4	5.40	10.20	14.40
02	8.20	6.5	3.1	0.9	0.3	0.0	24.2	20.6	16.7	7.1	4.40	7.90	11.70
03	7.50	4.0	1.9	0.8	0.5	0.0	14.0	10.7	7.4	2.7	2.80	6.80	11.30
04	2.50	1.4	0.8	0.3	0.1	0.0	1.4	0.5	0.2	0.0	0.00	0.30	3.30
05	0.30	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	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	0.30	0.3	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	2.60	2.2	1.1	0.3	0.1	0.0	3.7	1.6	0.6	0.2	0.00	1.80	3.30
12	9.80	7.2	3.2	1.0	0.4	0.0	19.1	13.6	7.4	1.7	4.10	7.20	12.60
Summary	42.2	29.6	13.6	4.5	1.9	0.0	87.9	68.2	48.8	18.1	16.7	34.2	56.6

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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	0.0	2.7	43.5	184.2	488.3	775.2	918.9	852.3	597.4	251.6	48.7	3.0
45	0.0	0.5	21.5	102.2	344.0	625.3	764.0	697.4	451.1	150.4	21.2	1.0
50	0.0	0.1	10.0	49.6	218.7	476.3	609.0	542.4	313.7	79.3	7.4	0.2
55	0.0	0.0	4.0	20.6	121.9	332.4	454.2	388.2	193.7	36.0	2.1	0.1
60	0.0	0.0	1.3	7.0	57.6	201.9	302.9	241.1	101.9	13.4	0.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.3	1.7	31.7	125.5	295.7	491.8	604.7	550.3	375.0	165.5	34.7	2.5

Growing Degree Units (Accumulated Monthly)												
40	0	3	46	230	719	1494	2413	3265	3863	4114	4163	4166
45	0	0	22	124	468	1094	1858	2555	3006	3156	3178	3179
50	0	0	10	60	278	755	1364	1906	2220	2299	2306	2307
55	0	0	4	25	146	479	933	1321	1515	1551	1553	1553
60	0	0	1	8	66	268	571	812	914	927	927	927
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	2	34	159	455	947	1551	2102	2477	2642	2677	2679

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