U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Summary of Monthly Normals 1991-2020

Generated on 11/06/2026

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 1428 ft. Lat: 46.8369° N Lon: 92.2097° W

Station: **DULUTH, MN US USW00014913**

Temperature (°F)

	Mean						Cooling Degree Days Base (above)						Heating Degree Days Base (above)				Mean Number of Days					
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	19.9	2.4	11.2	5.1	6.7	5.8	0.0	0.0	0.0	0.0	0.0	0.0	1359.2	1421.2	1514.2	1669.2	0.0	0.0	0.0	27.4	30.8	14.4
02	24.8	6.0	15.4	5.5	6.8	6.1	0.0	0.0	0.0	0.0	0.0	0.0	1108.7	1164.7	1248.7	1388.7	0.0	0.0	0.2	21.4	27.5	10.5
03	36.2	17.8	27.0	4.8	4.9	4.8	0.6	0.3	0.0	0.0	0.0	0.0	868.6	930.3	1023.1	1178.1	0.0	0.0	3.5	12.2	27.9	3.3
04	49.2	29.9	39.5	4.3	2.9	3.5	5.6	2.8	0.9	0.1	0.0	0.0	469.1	526.3	614.4	763.5	0.0	0.0	13.4	2.1	19.0	0.0
05	63.0	41.0	52.0	3.5	2.5	2.8	64.2	44.9	24.5	6.8	0.9	0.3	157.3	199.9	272.5	409.8	0.0	0.1	27.7	0.0	3.6	0.0
06	72.1	50.2	61.2	2.5	2.0	2.2	206.4	160.2	101.3	36.3	9.3	4.5	21.9	35.8	66.9	151.9	0.0	0.2	29.8	0.0	0.1	0.0
07	77.7	56.2	67.0	3.1	2.8	2.9	371.5	311.7	226.8	110.1	38.4	21.8	1.2	3.4	11.5	49.7	0.0	0.8	31.0	0.0	0.0	0.0
08	75.8	55.2	65.5	2.7	2.4	2.4	328.1	269.6	186.8	79.8	23.0	12.4	2.7	6.2	16.4	64.4	0.0	0.5	31.0	0.0	0.0	0.0
09	67.2	47.3	57.2	2.7	3.2	2.8	136.0	102.7	62.5	21.3	4.6	1.9	68.6	95.3	145.1	253.9	0.0	0.0	29.1	0.0	1.1	0.0
10	52.7	35.6	44.1	3.7	3.0	3.2	16.7	10.5	4.6	0.7	0.0	0.0	353.1	408.9	496.0	647.0	0.0	0.0	17.2	0.7	11.1	0.0
11	37.1	22.5	29.8	5.9	5.1	5.4	0.3	0.1	0.0	0.0	0.0	0.0	756.3	816.1	906.0	1056.0	0.0	0.0	4.0	11.7	25.0	1.0
12	24.7	9.6	17.1	5.1	6.1	5.5	0.0	0.0	0.0	0.0	0.0	0.0	1173.2	1235.2	1328.2	1483.2	0.0	0.0	0.0	23.8	30.5	8.4
Summary	50.0	31.1	40.6	4.1	4.0	3.9	1129	903	607	255	76	41	6340	6843	7643	9115	0.0	1.6	186.9	99.3	176.6	37.6

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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	0.95	10.4	2.8	0.3	0.0	0.50	0.84	1.33
02	1.01	8.9	3.0	0.3	0.1	0.45	0.97	1.46
03	1.46	9.6	4.2	0.5	0.1	0.82	1.19	1.90
04	2.53	11.3	5.8	1.4	0.4	1.39	2.21	3.23
05	3.37	12.7	7.3	2.1	0.5	2.21	3.44	4.13
06	4.39	12.4	8.0	2.9	1.0	3.56	4.54	5.21
07	3.92	11.9	6.9	2.6	0.9	2.97	3.57	4.74
08	3.73	10.8	6.4	2.6	1.0	2.50	3.54	4.58
09	3.48	11.6	6.7	2.0	0.8	1.76	3.52	4.28
10	2.91	11.9	6.0	1.8	0.5	1.83	2.81	3.93
11	1.96	11.0	4.9	1.0	0.3	1.03	1.77	2.59
12	1.47	10.7	3.7	0.9	0.1	0.82	1.27	2.08
Summary	31.18	133.2	65.7	18.4	5.7	19.84	29.67	39.46

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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	16.80	13.1	4.6	1.5	0.7	0.1	30.7	28.0	25.4	19.2	9.30	13.80	18.90
02	15.10	10.9	4.5	1.4	0.6	0.1	28.0	27.1	24.9	20.9	8.70	12.80	20.10
03	12.80	8.0	3.6	1.4	0.6	0.0	26.8	25.9	23.5	18.1	7.60	11.80	17.30
04	9.10	5.7	2.3	1.0	0.5	0.1	9.8	6.9	5.0	2.1	1.80	8.10	12.40
05	0.80	0.6	0.2	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.10
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	0.10	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	2.70	2.1	0.8	0.3	0.1	0.0	1.6	0.6	0.2	0.0	0.00	0.90	4.30
11	14.10	9.0	3.7	1.4	0.7	0.1	13.0	8.7	5.5	1.2	5.10	11.90	18.80
12	18.70	12.9	5.1	1.6	1.0	0.3	27.1	22.0	17.0	9.7	8.60	15.60	25.90
Summary	90.2	62.4	24.8	8.7	4.2	0.7	137.2	119.3	101.5	71.2	41.1	74.9	117.8

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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	0.0	0.8	16.5	101.8	377.4	634.4	835.1	790.3	518.1	185.7	27.8	0.3
45	0.0	0.0	5.2	46.6	241.8	484.9	680.2	635.3	372.9	98.7	9.9	0.0
50	0.0	0.0	2.0	17.8	134.8	339.0	525.3	480.5	242.1	44.6	2.7	0.0
55	0.0	0.0	0.6	5.6	64.2	206.4	371.5	328.1	136.0	16.7	0.3	0.0
60	0.0	0.0	0.0	0.9	24.5	101.3	226.8	186.8	62.5	4.6	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.5	10.8	65.1	215.2	369.6	526.5	488.1	291.8	92.1	13.3	0.1

Growing Degree Units (Accumulated Monthly)

40	0	1	17	119	496	1131	1966	2756	3274	3460	3488	3488
45	0	0	5	52	294	778	1459	2094	2467	2566	2576	2576
50	0	0	2	20	155	494	1019	1499	1742	1786	1789	1789
55	0	0	1	6	70	277	648	976	1112	1129	1129	1129
60	0	0	0	1	25	127	354	540	603	607	607	607
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	11	76	292	661	1188	1676	1968	2060	2073	2073

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

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