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: 3420 ft. Lat: 46.8983° N Lon: 113.9678° W

Station: **MISSOULA 2 NE, MT US USC00245735**

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	34.1	19.8	27.0	3.6	4.7	4.1	0.0	0.0	0.0	0.0	0.0	0.0	869.5	931.5	1024.5	1179.5	0.0	0.0	0.4	10.7	28.5	2.3
02	39.0	21.9	30.5	4.9	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	687.2	743.2	827.2	967.3	0.0	0.0	2.3	3.9	25.8	1.0
03	49.1	27.4	38.3	3.8	2.9	3.2	0.1	0.0	0.0	0.0	0.0	0.0	519.5	581.4	674.4	829.3	0.0	0.0	14.2	1.0	23.7	0.1
04	56.8	33.0	44.9	3.2	2.1	2.4	9.8	5.8	2.2	0.0	0.0	0.0	312.7	368.7	455.1	602.9	0.0	0.0	22.6	0.0	13.8	0.0
05	66.5	40.8	53.6	3.3	2.2	2.6	76.5	53.8	28.7	6.3	0.5	0.0	118.5	157.8	225.6	358.2	0.0	0.2	29.7	0.0	4.4	0.0
06	73.4	46.9	60.1	3.5	2.1	2.6	180.2	137.1	85.7	31.1	7.2	3.3	25.7	42.5	81.1	176.6	0.0	1.3	29.6	0.0	0.1	0.0
07	85.1	52.2	68.7	4.8	2.4	3.4	424.3	364.8	279.9	153.9	62.2	38.3	1.3	3.9	11.9	40.9	0.7	10.2	31.0	0.0	0.0	0.0
08	84.0	51.0	67.5	2.9	1.8	2.1	391.4	332.7	249.0	126.4	43.5	23.7	4.0	7.4	16.6	49.0	0.0	9.2	31.0	0.0	0.0	0.0
09	73.1	43.6	58.3	3.7	2.1	2.5	150.7	113.4	68.6	22.3	3.7	1.4	50.4	73.1	118.2	221.9	0.0	1.3	29.6	0.0	1.4	0.0
10	56.5	33.7	45.1	3.0	2.9	2.5	11.6	6.1	1.8	0.1	0.0	0.0	318.5	374.9	463.6	617.0	0.0	0.0	24.2	0.6	12.1	0.0
11	41.2	26.2	33.7	3.7	3.5	3.4	0.1	0.0	0.0	0.0	0.0	0.0	639.0	698.9	789.0	939.0	0.0	0.0	5.1	4.4	24.2	0.5
12	32.9	19.6	26.2	3.0	3.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	890.9	952.9	1046.0	1201.1	0.0	0.0	0.3	13.3	29.1	1.4
Summary	57.6	34.7	46.2	3.6	2.9	3.0	1245	1014	716	340	117	67	4437	4936	5733	7183	0.7	22.2	220.0	33.9	163.1	5.3

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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	1.24	13.9	4.6	0.3	0.0	0.86	1.13	1.40
02	1.11	11.0	3.2	0.1	0.0	0.62	0.92	1.56
03	1.19	13.0	4.0	0.1	0.0	0.68	1.13	1.44
04	1.68	11.8	4.9	0.6	0.1	0.99	1.53	2.29
05	2.26	12.4	6.4	1.1	0.2	1.52	2.13	2.83
06	2.61	13.1	6.8	1.6	0.3	1.71	2.53	3.50
07	0.99	6.7	3.2	0.3	0.0	0.31	0.85	1.50
08	1.03	6.5	2.8	0.5	0.0	0.39	0.95	1.41
09	1.14	7.6	3.5	0.5	0.0	0.50	1.01	1.57
10	1.42	10.0	4.5	0.5	0.0	0.77	1.16	1.80
11	1.41	12.1	4.3	0.5	0.0	0.62	1.35	1.91
12	1.35	13.8	4.8	0.2	0.0	0.89	1.24	1.68
Summary	17.43	131.9	53.0	6.3	0.6	9.86	15.93	22.89

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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	12.50	10.7	4.5	1.0	0.2	0.0	22.4	17.2	12.7	2.7	8.20	11.30	16.00
02	7.90	7.5	3.2	0.6	0.2	0.0	16.1	11.3	7.6	2.5	4.60	7.80	10.60
03	7.40	6.4	2.5	0.5	0.3	0.0	6.0	3.5	2.4	0.7	2.00	5.60	9.30
04	1.40	2.1	0.5	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.10	0.50	2.20
05	0.30	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
06	0.20	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	1.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.30
11	6.90	6.2	2.3	0.5	0.2	0.0	5.9	2.5	1.2	0.0	1.20	5.50	12.40
12	12.90	10.6	4.1	1.0	0.3	0.0	19.0	9.9	6.1	0.5	7.10	9.30	15.40
Summary	50.2	44.7	17.5	3.6	1.2	0.0	69.9	44.4	30.0	6.4	23.2	40.0	66.2

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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	1.2	6.5	61.0	171.0	424.1	604.8	887.4	852.1	550.7	194.5	27.3	1.2
45	0.0	0.7	17.2	79.4	279.0	455.5	733.0	697.5	404.8	96.7	7.2	0.0
50	0.0	0.0	2.2	30.9	158.5	310.0	578.0	543.0	267.3	40.2	1.4	0.0
55	0.0	0.0	0.1	9.8	76.5	180.2	424.3	391.4	150.7	11.6	0.1	0.0
60	0.0	0.0	0.0	2.2	28.7	85.7	279.9	249.0	68.6	1.8	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.5	5.0	50.2	118.2	259.3	362.4	552.2	533.1	348.7	125.4	12.6	0.2

Growing Degree Units (Accumulated Monthly)

40	1	8	69	240	664	1269	2156	3008	3559	3753	3781	3782
45	0	1	18	97	376	832	1565	2262	2667	2764	2771	2771
50	0	0	2	33	192	502	1080	1623	1890	1930	1932	1932
55	0	0	0	10	86	267	691	1082	1233	1245	1245	1245
60	0	0	0	2	31	117	396	646	714	716	716	716
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	6	56	174	433	796	1348	1881	2230	2355	2368	2368

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

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