

Summary of Monthly Normals
1991-2020

Current Location: Elev: 2075 ft. Lat: 47.1058° N Lon: 104.7175° W
Station: **GLENDIVE, MT US USC00243581**
Generated on 04/28/2024

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	29.0	9.2	19.1	6.1	6.4	6.1	0.0	0.0	0.0	0.0	0.0	0.0	1112.8	1174.8	1267.8	1422.8	0.0	0.0	1.5	15.4	30.1	9.5
02	33.8	12.5	23.1	8.9	9.1	8.9	0.1	0.0	0.0	0.0	0.0	0.0	891.7	947.6	1031.6	1171.7	0.0	0.0	4.0	11.1	26.9	6.9
03	46.2	23.0	34.6	7.8	5.7	6.7	2.6	1.2	0.3	0.0	0.0	0.0	635.1	695.7	787.8	942.5	0.0	0.0	14.3	5.5	26.1	2.4
04	58.9	34.2	46.5	3.9	3.1	3.3	26.2	16.5	7.0	1.5	0.1	0.0	279.8	330.1	410.6	555.0	0.0	0.1	23.6	0.7	13.2	0.0
05	69.1	44.7	56.9	3.8	2.2	2.7	140.9	107.1	66.3	23.1	4.7	2.0	82.1	110.2	162.5	274.2	0.0	0.7	29.7	0.0	2.2	0.0
06	78.5	54.3	66.4	3.5	2.4	2.7	347.7	292.2	214.2	109.0	43.8	28.0	5.8	10.2	22.2	67.0	0.4	4.4	30.0	0.0	0.0	0.0
07	87.7	60.3	74.0	4.9	2.9	3.7	589.0	527.4	436.2	290.6	163.4	122.2	0.3	0.6	2.3	11.7	3.1	14.2	31.0	0.0	0.0	0.0
08	87.2	57.8	72.5	3.2	2.7	2.7	544.4	483.7	393.8	252.9	133.5	96.5	2.1	3.3	6.4	20.5	2.4	13.6	31.0	0.0	0.0	0.0
09	76.3	47.9	62.1	3.8	2.8	3.0	248.0	202.5	142.7	68.9	25.4	15.4	35.1	49.6	79.9	155.9	0.4	4.4	29.5	0.0	1.1	0.0
10	59.5	35.9	47.7	4.6	2.7	3.4	39.3	27.4	15.3	4.7	1.0	0.5	265.5	315.7	396.6	540.9	0.0	0.3	25.1	0.4	10.9	0.1
11	43.5	23.7	33.6	6.5	4.4	5.2	1.1	0.5	0.1	0.0	0.0	0.0	643.0	702.4	792.1	942.0	0.0	0.0	11.0	5.8	25.3	1.4
12	32.0	13.3	22.7	7.1	6.6	6.8	0.0	0.0	0.0	0.0	0.0	0.0	1002.6	1064.6	1157.6	1312.7	0.0	0.0	2.2	13.1	30.2	6.5
Summary	58.5	34.7	46.6	5.3	4.2	4.6	1939	1658	1276	751	372	265	4956	5405	6117	7417	6.3	37.7	232.9	52.0	166.0	26.8

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	0.42	6.1	1.1	0.0	0.0	0.19	0.30	0.59	
02	0.36	5.9	1.0	0.0	0.0	0.19	0.32	0.49	
03	0.52	6.0	1.8	0.2	0.0	0.23	0.49	0.72	
04	1.50	7.9	3.6	0.7	0.2	0.90	1.20	1.95	
05	2.57	11.4	5.6	1.6	0.4	1.60	2.26	3.23	
06	2.40	11.7	5.9	1.2	0.4	1.36	2.18	2.98	
07	2.20	9.2	4.8	1.5	0.4	1.20	1.63	2.72	
08	1.53	7.0	3.4	0.8	0.2	0.66	0.99	1.81	
09	1.43	6.7	3.1	0.8	0.4	0.36	0.81	1.93	
10	1.09	7.5	2.9	0.5	0.2	0.66	0.83	1.32	
11	0.46	5.1	1.6	0.0	0.0	0.14	0.34	0.68	
12	0.41	6.0	1.3	0.1	0.0	0.26	0.35	0.54	
Summary	14.89	90.5	36.1	7.4	2.2	7.75	11.70	18.96	

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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	4.00	4.5	2.7	0.5	0.1	0.0	22.5	16.6	9.7	3.1	1.00	4.00	6.00
02	5.30	4.0	2.2	0.5	0.2	0.0	16.3	11.6	6.7	2.9	2.10	4.00	7.30
03	3.10	2.9	1.7	0.2	0.2	0.0	10.8	7.3	4.7	1.1	0.50	2.00	5.00
04	2.00	0.9	0.7	0.3	0.1	0.0	1.1	0.5	0.0	0.0	0.00	0.80	3.70
05	0.50	0.2	0.1	0.0	0.0	0.0	0.1	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	1.40	0.6	0.5	0.1	0.0	0.0	0.9	0.5	0.0	0.0	0.00	0.00	1.10
11	2.00	2.2	1.6	0.3	0.1	0.0	5.6	3.2	1.7	0.1	0.00	1.00	3.00
12	4.30	3.5	2.1	0.4	0.1	0.0	15.3	9.4	6.5	1.0	0.90	4.50	5.80
Summary	22.6	18.8	11.6	2.3	0.8	0.0	72.6	49.1	29.3	8.2	4.5	16.3	31.9

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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	3.8	11.3	79.1	241.3	526.8	792.0	1053.5	1007.1	663.3	280.0	55.7	4.3
45	0.8	3.0	34.5	139.3	380.5	642.2	898.5	852.1	516.1	168.9	21.7	0.5
50	0.2	0.5	11.9	68.5	247.4	492.9	743.8	697.7	374.7	88.7	6.8	0.1
55	0.0	0.1	2.6	26.2	140.9	347.7	589.0	544.4	248.0	39.3	1.1	0.0
60	0.0	0.0	0.3	7.0	66.3	214.2	436.2	393.8	142.7	15.3	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	2.4	10.8	65.0	162.3	317.1	488.3	676.2	638.6	409.6	174.6	39.8	3.4

Growing Degree Units (Accumulated Monthly)												
40	4	15	94	336	862	1654	2708	3715	4378	4658	4714	4718
45	1	4	38	178	558	1200	2099	2951	3467	3636	3658	3658
50	0	1	13	81	328	821	1565	2263	2638	2726	2733	2733
55	0	0	3	29	170	518	1106	1651	1899	1938	1939	1939
60	0	0	0	7	74	288	724	1118	1260	1276	1276	1276
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	13	78	240	558	1046	1722	2361	2770	2945	2985	2988

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