

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 3148 ft. Lat: 48.5003° N Lon: 113.9847° W

Station: **W GLACIER, MT US USC00248809**

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	29.9	19.3	24.6	3.3	4.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	942.4	1004.4	1097.4	1252.4	0.0	0.0	0.0	14.4	30.1	3.0
02	33.6	19.4	26.5	4.7	5.7	5.1	0.0	0.0	0.0	0.0	0.0	0.0	797.8	853.8	937.9	1078.0	0.0	0.0	0.2	8.1	26.8	2.5
03	42.5	25.1	33.8	3.6	3.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	657.3	719.3	812.2	967.2	0.0	0.0	6.3	2.6	26.4	0.6
04	52.6	31.4	42.0	4.0	2.2	2.8	1.6	0.6	0.1	0.0	0.0	0.0	391.5	450.5	540.1	690.0	0.0	0.0	19.4	0.3	18.8	0.0
05	64.1	39.0	51.6	3.5	1.5	2.4	42.0	25.4	9.9	0.9	0.0	0.0	149.1	194.5	271.9	417.9	0.0	0.0	29.6	0.0	5.9	0.0
06	70.4	45.1	57.8	3.3	1.7	2.3	120.6	84.9	46.1	11.7	1.8	0.8	38.1	62.3	113.5	229.2	0.0	0.5	29.8	0.0	0.4	0.0
07	80.2	49.6	64.9	4.7	2.3	3.2	311.0	253.7	174.4	69.7	15.4	7.0	4.3	9.0	22.6	72.9	0.0	3.8	31.0	0.0	0.0	0.0
08	79.4	47.9	63.6	3.2	2.1	2.1	276.4	221.0	145.5	52.5	10.0	4.2	8.4	15.0	32.5	94.4	0.0	2.8	31.0	0.0	0.1	0.0
09	68.0	40.8	54.4	3.6	2.1	2.2	72.5	47.3	21.9	3.7	0.1	0.0	90.7	125.4	190.0	321.7	0.0	0.1	29.3	0.0	3.2	0.0
10	51.7	32.9	42.3	3.3	3.0	2.7	4.5	2.0	0.5	0.0	0.0	0.0	398.1	457.7	549.2	703.7	0.0	0.0	19.3	0.7	14.8	0.1
11	37.0	26.4	31.7	3.5	3.8	3.5	0.1	0.0	0.0	0.0	0.0	0.0	699.1	759.0	849.0	999.0	0.0	0.0	2.1	5.8	23.7	0.7
12	29.2	19.9	24.5	3.1	4.3	3.6	0.0	0.0	0.0	0.0	0.0	0.0	943.7	1005.7	1098.8	1253.9	0.0	0.0	0.1	17.2	29.6	2.3
Summary	53.2	33.1	43.1	3.6	3.1	3.1	829	635	398	138	27	12	5120	5657	6515	8080	0.0	7.2	198.1	49.1	179.8	9.2

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	3.54	17.9	10.1	1.7	0.2	2.72	3.39	4.14
02	2.17	14.5	7.2	0.8	0.0	1.55	2.02	2.51
03	2.58	15.0	8.5	0.9	0.0	1.59	2.17	3.48
04	2.15	13.9	6.6	0.9	0.0	1.38	1.93	2.57
05	2.62	13.6	7.1	1.2	0.2	1.82	2.22	3.21
06	3.80	14.9	8.6	2.6	0.6	2.68	3.18	4.44
07	1.39	8.5	3.9	0.6	0.1	0.59	1.20	1.80
08	1.17	6.8	3.4	0.5	0.1	0.38	1.01	1.86
09	1.96	9.6	5.4	1.1	0.2	1.30	1.68	2.80
10	3.05	13.6	7.9	1.8	0.3	1.90	2.78	4.03
11	3.23	16.3	8.7	1.6	0.2	2.18	3.20	4.26
12	3.21	17.8	10.0	1.5	0.1	2.62	3.07	3.77
Summary	30.87	162.4	87.4	15.2	2.0	20.71	27.85	38.87

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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	32.00	13.9	9.2	4.2	1.8	0.2	31.0	30.6	30.1	27.9	22.10	31.10	38.80
02	16.00	10.5	6.8	2.5	0.9	0.1	28.5	28.5	28.4	26.3	8.20	14.10	19.40
03	14.00	6.2	4.4	1.8	0.7	0.1	30.0	29.0	28.0	25.0	5.10	11.50	16.90
04	3.10	1.8	1.2	0.4	0.1	0.0	14.2	12.5	11.2	7.8	0.30	1.30	4.20
05	0.50	0.3	0.3	0.0	0.0	0.0	0.6	0.4	0.3	0.2	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	2.00	1.0	0.7	0.3	0.0	0.0	1.7	0.6	0.1	0.0	0.00	0.00	3.80
11	16.20	6.7	5.3	2.5	1.0	0.2	13.0	8.3	5.3	2.1	3.90	10.30	24.50
12	31.40	14.2	9.5	4.3	1.9	0.3	28.4	24.0	20.8	12.5	19.10	28.80	35.70
Summary	115.2	54.6	37.4	16.0	6.4	0.9	147.4	133.9	124.2	101.8	58.7	97.1	143.3

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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	0.2	1.0	13.6	103.7	360.7	532.6	771.7	733.2	433.3	130.5	14.4	0.6
45	0.0	0.1	1.5	36.7	219.2	383.4	616.7	578.5	289.4	54.6	3.4	0.0
50	0.0	0.0	0.1	9.7	110.2	240.7	462.1	424.6	163.0	18.0	0.8	0.0
55	0.0	0.0	0.0	1.6	42.0	120.6	311.0	276.4	72.5	4.5	0.1	0.0
60	0.0	0.0	0.0	0.1	9.9	46.1	174.4	145.5	21.9	0.5	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	0.3	10.7	74.9	223.3	314.9	486.5	469.7	275.4	72.8	3.5	0.0

Growing Degree Units (Accumulated Monthly)												
40	0	1	15	118	479	1012	1784	2517	2950	3080	3095	3096
45	0	0	2	38	258	641	1258	1836	2126	2180	2184	2184
50	0	0	0	10	120	361	823	1247	1410	1428	1429	1429
55	0	0	0	2	44	164	475	752	824	829	829	829
60	0	0	0	0	10	56	230	376	398	398	398	398
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	11	86	309	624	1111	1580	1856	1929	1932	1932

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