

Summary of Monthly Normals
1981-2010

Current Location: Elev: 4590 ft. Lat: 47.6011° N Lon: 112.7547° W
Station: GIBSON DAM, MT US USC00243489

Generated on 05/22/2024

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	35.0	15.8	25.4	4.4	6.1	5.2	-7777	0	0	0	0	0	918	980	1073	1228	0.0	0.0	2.5	10.0	27.0	5.7
02	37.1	16.5	26.8	5.3	6.7	5.8	0	0	0	0	0	0	789	845	929	1070	0.0	0.0	3.3	7.1	24.6	4.3
03	42.4	21.7	32.0	4.9	4.6	4.6	-7777	-7777	0	0	0	0	712	773	866	1021	0.0	0.0	8.1	4.6	26.8	2.1
04	50.2	28.4	39.3	3.6	2.8	3.1	1	1	-7777	0	0	0	472	532	621	771	0.0	0.0	15.3	1.3	21.1	0.1
05	59.3	35.1	47.2	3.7	2.3	2.7	17	10	3	-7777	0	0	259	313	400	552	0.0	0.0	24.8	0.0	9.7	0.0
06	67.3	41.5	54.4	3.5	2.5	2.8	72	48	23	4	-7777	-7777	90	126	191	322	0.0	-7777	28.9	0.0	1.1	0.0
07	77.0	46.3	61.7	4.9	2.4	3.4	219	168	102	32	6	2	13	24	51	136	0.0	1.6	31.0	0.0	0.2	0.0
08	76.6	44.4	60.5	4.2	2.6	2.7	193	144	84	21	2	-7777	22	36	68	160	0.0	1.4	30.8	0.0	0.4	0.0
09	66.2	37.9	52.1	5.4	1.8	3.1	53	33	14	2	-7777	-7777	141	181	252	390	0.0	0.1	27.1	-7777	4.4	0.0
10	54.4	31.4	42.9	4.0	2.7	3.0	6	3	-7777	0	0	0	381	440	531	685	0.0	0.0	20.1	1.0	16.0	0.2
11	40.9	23.2	32.0	5.9	5.6	5.6	-7777	-7777	0	0	0	0	689	749	838	988	0.0	0.0	6.5	5.1	22.8	1.9
12	33.2	15.1	24.2	5.1	6.8	5.9	-7777	0	0	0	0	0	956	1018	1111	1266	0.0	0.0	1.4	11.7	28.0	5.4
Summary	53.3	29.8	41.5	4.6	3.9	4.0	561	407	226	59	8	2	5442	6017	6931	8589	0.0	3.1	199.8	40.8	182.1	19.7

-7777: a non-zero value that would round to zero
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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	0.66	5.7	2.3	0.1	0.0	0.43	0.64	0.85	
02	0.63	6.3	2.5	0.3	0.0	0.22	0.56	0.88	
03	0.95	7.6	3.4	0.3	0.0	0.69	0.87	1.13	
04	1.44	7.9	4.4	0.7	0.1	0.84	1.26	1.77	
05	2.57	10.2	6.1	1.3	0.5	1.45	2.36	3.22	
06	2.92	11.1	6.8	1.8	0.5	1.87	2.54	3.76	
07	1.49	7.2	3.7	0.6	0.2	0.32	0.85	2.05	
08	1.64	7.3	4.1	0.9	0.1	0.77	1.46	2.41	
09	1.50	7.1	4.2	0.8	0.2	0.55	1.19	2.22	
10	0.98	5.6	3.1	0.4	0.0	0.42	0.93	1.59	
11	0.70	5.9	3.0	0.2	0.0	0.31	0.65	1.10	
12	0.62	5.4	2.9	0.1	0.0	0.35	0.53	0.90	
Summary	16.10	87.3	46.5	7.5	1.6	8.22	13.84	21.88	

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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	6.8	4.1	3.2	1.0	0.3	0.1					3.5	5.0	12.0
02	10.8	4.4	3.5	1.3	0.6	0.1					3.0	10.5	13.1
03	11.6	4.5	3.7	1.4	0.6	0.2					2.0	9.7	21.5
04	7.5	2.5	2.4	1.1	0.6	-7777					1.0	7.0	12.0
05	2.0	0.7	0.5	0.3	0.1	-7777					0.0	0.0	3.0
06	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
07	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
08	0.2	0.1	0.1	-7777	0.0	0.0					0.0	0.0	0.0
09	0.3	0.1	0.1	-7777	0.0	0.0					0.0	0.0	0.0
10	3.9	1.4	1.1	0.3	0.1	-7777					0.0	2.0	6.0
11	5.7	3.4	2.8	0.8	0.3	0.0					2.0	4.7	9.6
12	7.6	3.1	2.4	1.0	0.3	-7777					2.0	6.2	8.1
Summary	56.4	24.3	19.8	7.2	2.9	0.4	0.0	0.0	0.0	0.0	13.5	45.1	85.3

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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	12	11	26	85	243	433	671	636	370	161	35	7
45	3	2	6	31	131	289	516	482	237	78	11	1
50	-7777	-7777	1	8	55	162	363	332	127	27	2	-7777
55	-7777	0	-7777	1	17	72	219	193	53	6	-7777	-7777
60	0	0	0	-7777	3	23	102	84	14	-7777	0	0
Growing Degree Units for Corn (Monthly)												
50/86	5	7	23	67	160	264	423	412	251	114	20	2

Growing Degree Units (Accumulated Monthly)												
40	12	23	49	134	377	810	1481	2117	2487	2648	2683	2690
45	3	5	11	42	173	462	978	1460	1697	1775	1786	1787
50	0	0	1	9	64	226	589	921	1048	1075	1077	1077
55	0	0	0	1	18	90	309	502	555	561	561	561
60	0	0	0	0	3	26	128	212	226	226	226	226
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	5	12	35	102	262	526	949	1361	1612	1726	1746	1748

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