

Summary of Monthly Normals
1981-2010

Generated on 05/16/2024

Current Location: Elev: 2106 ft. Lat: 48.8198° N Lon: 104.9428° W

Station: REDSTONE, MT US USC00246927

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	23.0	0.0	11.5	8.1	8.9	8.4	0	0	0	0	0	0	1348	1410	1503	1658	0.0	0.0	0.4	20.4	30.7	15.0
02	27.8	6.1	16.9	7.9	8.3	7.9	0	0	0	0	0	0	1065	1121	1205	1345	0.0	0.0	1.4	15.6	27.3	9.7
03	39.7	17.0	28.4	6.7	5.5	5.9	-7777	-7777	-7777	0	0	0	826	888	981	1136	0.0	0.0	8.1	8.5	29.1	3.3
04	56.6	27.3	42.0	3.8	2.9	3.1	10	6	2	-7777	-7777	-7777	401	457	544	692	0.0	-7777	21.8	0.8	20.5	0.1
05	67.5	38.0	52.7	4.0	2.9	3.0	76	55	31	8	2	1	146	187	255	388	0.0	0.3	29.2	0.0	8.7	0.0
06	75.9	47.4	61.6	4.0	4.0	3.7	220	174	116	51	19	12	21	35	67	151	0.2	2.4	29.9	0.0	1.3	0.0
07	83.3	51.5	67.4	4.4	2.5	3.2	386	326	240	123	48	30	2	4	11	49	0.5	7.1	31.0	0.0	0.7	0.0
08	83.3	49.9	66.6	4.6	2.6	3.2	365	308	228	118	45	28	5	10	23	69	0.5	8.0	30.9	0.0	1.0	0.0
09	70.7	38.7	54.7	5.4	2.4	3.3	104	76	44	15	4	2	113	144	203	324	0.0	1.4	28.5	0.0	7.1	0.0
10	55.4	27.7	41.5	3.9	2.7	2.7	8	4	1	-7777	-7777	0	425	483	573	727	0.0	-7777	20.6	1.6	20.7	0.3
11	37.2	15.1	26.2	7.3	5.9	6.2	-7777	-7777	0	0	0	0	866	925	1015	1165	0.0	0.0	5.3	10.0	27.8	3.8
12	24.7	1.9	13.3	8.0	7.4	7.6	0	0	0	0	0	0	1292	1354	1447	1602	0.0	0.0	0.3	19.3	30.9	13.0
Summary	53.8	26.7	40.2	5.7	4.7	4.9	1169	949	662	315	118	73	6510	7018	7827	9306	1.2	19.2	207.4	76.2	205.8	45.2

-7777: a non-zero value that would round to zero

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	0.31	3.2	1.2	-7777	-7777	0.08	0.23	0.36
02	0.12	1.8	0.6	0.1	0.1	0.00	0.08	0.19
03	0.58	3.5	1.8	0.1	-7777	0.19	0.52	0.83
04	0.82	4.4	2.6	0.3	0.1	0.40	0.60	1.16
05	2.07	7.2	5.1	1.1	0.3	0.87	1.81	2.76
06	2.66	8.1	5.5	2.0	0.3	1.97	2.45	3.09
07	2.15	7.2	4.8	1.3	0.3	1.43	1.62	2.30
08	1.57	5.7	3.6	0.8	0.3	0.69	1.41	2.27
09	1.01	4.9	2.9	0.6	0.1	0.27	0.65	1.50
10	0.82	3.8	2.5	0.4	0.0	0.40	0.67	1.02
11	0.40	3.0	1.5	0.1	-7777	0.14	0.26	0.50
12	0.36	3.0	0.8	0.1	-7777	0.14	0.27	0.50
Summary	12.87	55.8	32.9	6.9	1.5	6.58	10.57	16.48

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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	4.6	2.3	2.3	0.6	0.1	0.0	16.2	12.3	8.4	2.7	1.5	3.5	7.5
02	2.7	1.0	0.8	0.1	-7777	0.0	8.6	5.9	4.6	1.1	0.0	1.0	5.6
03	2.1	1.1	0.7	0.2	-7777	0.0	5.7	2.7	1.4	0.3	0.0	1.6	4.0
04	0.8	0.4	0.4	-7777	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	1.0
05	0.3	0.1	0.1	-7777	0.0	0.0	0.2	-7777	-7777	0.0	0.0	0.0	0.0
06	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09	-7777	-7777	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
10	0.7	0.3	0.3	0.1	0.1	0.0	0.6	0.4	0.1	0.0	0.0	0.0	0.0
11	3.6	1.1	1.0	0.4	-7777	0.0	4.3	2.5	1.5	0.3	1.3	2.0	4.0
12	3.1	1.8	1.5	0.3	0.1	0.0	11.8	5.9	3.1	0.0	0.0	2.0	4.0
Summary	17.9	8.1	7.1	1.7	0.3	0.0	47.9	29.8	19.1	4.4	2.8	10.1	26.1

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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	3	21	143	403	649	849	824	447	145	16	-7777
45	-7777	1	7	73	269	501	694	669	311	71	6	-7777
50	-7777	-7777	2	31	156	354	539	516	194	29	1	-7777
55	0	0	-7777	10	76	220	386	365	104	8	-7777	0
60	0	0	-7777	2	31	116	240	228	44	1	0	0
Growing Degree Units for Corn (Monthly)												
50/86	1	3	29	134	280	410	543	529	314	131	19	-7777

Growing Degree Units (Accumulated Monthly)												
40	1	4	25	168	571	1220	2069	2893	3340	3485	3501	3501
45	0	1	8	81	350	851	1545	2214	2525	2596	2602	2602
50	0	0	2	33	189	543	1082	1598	1792	1821	1822	1822
55	0	0	0	10	86	306	692	1057	1161	1169	1169	1169
60	0	0	0	2	33	149	389	617	661	662	662	662
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	4	33	167	447	857	1400	1929	2243	2374	2393	2393

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

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