

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 3498 ft. Lat: 48.9753° N Lon: 111.3989° W
Station: GOLDBUTTE 7 N, MT US USC00243617

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	33.2	9.5	21.4	5.1	5.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1043.2	1105.2	1198.2	1353.2	0.0	0.0	3.7	11.2	28.1	8.7
02	34.9	11.2	23.1	8.7	8.3	8.4	0.0	0.0	0.0	0.0	0.0	0.0	894.4	950.4	1034.5	1174.6	0.0	0.0	5.2	9.2	25.9	5.8
03	43.9	18.5	31.2	6.8	5.9	6.2	0.7	0.2	0.0	0.0	0.0	0.0	738.5	800.0	892.8	1047.8	0.0	0.0	13.0	5.9	26.5	3.3
04	55.2	27.0	41.1	3.7	2.9	3.1	6.2	3.7	1.4	0.1	0.0	0.0	423.3	480.8	568.4	717.1	0.0	0.0	22.1	1.0	20.3	0.2
05	64.3	35.8	50.1	3.7	2.2	2.8	45.3	29.7	14.1	3.0	0.3	0.2	198.8	245.2	322.6	466.5	0.0	0.0	28.4	0.1	10.2	0.0
06	70.8	43.1	56.9	3.3	1.7	2.1	108.2	74.9	39.8	9.7	1.1	0.3	49.7	76.4	131.2	251.2	0.0	0.5	29.9	0.0	1.5	0.0
07	80.4	47.4	63.9	4.6	2.1	3.1	282.6	227.6	154.9	65.4	19.8	11.2	6.9	14.0	34.1	99.5	0.1	4.9	31.0	0.0	0.1	0.0
08	80.1	45.8	63.0	3.9	2.2	2.7	264.3	212.0	141.7	57.5	15.5	7.9	18.0	27.7	50.3	121.1	0.1	4.7	30.8	0.0	0.6	0.0
09	69.9	38.9	54.4	4.3	2.2	2.9	95.5	69.2	38.5	10.3	1.6	0.6	113.6	147.3	206.5	328.3	0.0	0.9	28.8	0.1	4.9	0.0
10	55.2	29.1	42.1	4.3	2.9	3.4	13.7	8.4	3.6	0.3	0.0	0.0	412.1	468.7	556.9	708.7	0.0	0.0	23.3	1.2	17.9	0.3
11	42.1	18.7	30.4	5.5	4.9	5.1	0.4	0.1	0.0	0.0	0.0	0.0	738.4	798.0	888.0	1038.0	0.0	0.0	9.2	6.1	25.2	2.7
12	33.7	11.0	22.4	6.6	6.7	6.5	0.0	0.0	0.0	0.0	0.0	0.0	1011.8	1073.8	1167.0	1322.1	0.0	0.0	3.7	11.1	28.5	7.2
Summary	55.3	28.0	41.7	5.0	4.0	4.3	817	626	394	146	38	20	5649	6188	7050	8628	0.2	11.0	229.1	45.9	189.7	28.2

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	0.45	6.7	1.5	0.0	0.0	0.27	0.38	0.65	
02	0.47	6.0	1.4	0.0	0.0	0.21	0.41	0.59	
03	0.63	6.8	2.3	0.1	0.0	0.29	0.59	1.02	
04	1.31	8.2	3.4	0.5	0.1	0.79	1.01	1.73	
05	1.89	9.4	4.7	0.8	0.1	1.19	1.61	2.49	
06	3.53	11.9	7.9	2.3	0.8	2.15	3.31	4.37	
07	1.25	6.8	3.0	0.7	0.1	0.41	1.04	2.01	
08	1.54	6.7	3.9	0.9	0.2	0.64	1.34	2.15	
09	1.41	6.7	3.6	0.6	0.2	0.81	1.31	1.88	
10	1.19	6.9	3.0	0.4	0.1	0.59	0.81	1.61	
11	0.64	6.7	2.4	0.0	0.0	0.40	0.65	0.79	
12	0.50	6.2	1.7	0.0	0.0	0.26	0.45	0.69	
Summary	14.81	89.0	38.8	6.3	1.6	8.01	12.91	19.98	

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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	12.40	5.7	5.6	1.8	0.5	0.0					6.60	12.00	16.70
02	12.90	5.3	5.3	2.1	0.5	0.0					5.70	11.90	17.00
03	15.10	5.6	5.4	2.2	0.8	0.1					4.60	13.80	24.50
04	10.80	3.2	3.2	1.4	0.8	0.1					5.90	7.50	15.00
05	3.70	0.8	0.8	0.5	0.3	0.0					0.00	0.00	5.00
06	0.30	0.1	0.1	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					0.00	0.00	0.00
08	0.40	0.1	0.1	0.1	0.0	0.0					0.00	0.00	0.00
09	1.40	0.4	0.4	0.1	0.1	0.0					0.00	0.00	0.50
10	5.20	2.2	2.1	0.8	0.3	0.0					0.00	4.00	7.60
11	10.60	4.4	4.3	1.8	0.6	0.0					4.30	9.00	15.50
12	13.10	5.5	5.5	2.1	0.6	0.0					7.00	12.00	16.90
Summary	85.9	33.3	32.8	12.9	4.5	0.2	0.0	0.0	0.0	0.0	34.1	70.2	118.7

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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	10.3	11.1	41.8	125.3	328.0	508.9	740.5	711.8	439.8	168.9	38.7	8.6
45	2.4	2.7	13.3	55.5	201.4	361.1	585.6	557.9	303.6	89.7	13.8	1.3
50	0.2	0.4	3.4	19.9	106.1	221.8	431.4	406.2	185.0	39.7	3.4	0.1
55	0.0	0.0	0.7	6.2	45.3	108.2	282.6	264.3	95.5	13.7	0.4	0.0
60	0.0	0.0	0.0	1.4	14.1	39.8	154.9	141.7	38.5	3.6	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	5.8	9.5	41.6	113.4	232.6	318.0	478.1	468.5	305.1	125.8	30.1	5.5

Growing Degree Units (Accumulated Monthly)												
40	10	21	63	188	516	1025	1766	2478	2918	3086	3125	3134
45	2	5	18	74	275	636	1222	1780	2084	2173	2187	2188
50	0	1	4	24	130	352	783	1189	1374	1414	1418	1418
55	0	0	1	7	52	160	443	707	803	816	817	817
60	0	0	0	1	16	55	210	352	390	394	394	394
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	6	15	57	170	403	721	1199	1668	1973	2098	2128	2134

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