

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 2356 ft. Lat: 47.8669° N Lon: 115.6278° W
Station: **TROUT CREEK RS, MT US USC00248380**

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	33.6	22.4	28.0	3.1	4.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	837.0	899.0	992.0	1147.0	0.0	0.0	0.2	9.2	28.5	1.8
02	39.1	22.5	30.8	3.9	5.2	4.3	0.0	0.0	0.0	0.0	0.0	0.0	677.5	733.5	817.5	957.4	0.0	0.0	2.6	2.5	25.4	1.0
03	48.4	27.7	38.0	3.7	2.3	2.5	0.1	0.0	0.0	0.0	0.0	0.0	525.6	587.5	680.5	835.5	0.0	0.0	14.3	0.4	24.3	0.1
04	57.9	32.1	45.0	4.2	2.1	2.8	7.3	3.7	1.0	0.0	0.0	0.0	307.3	363.6	450.9	599.9	0.0	0.0	24.9	0.0	16.2	0.0
05	68.1	39.1	53.6	3.6	1.5	2.2	69.0	46.2	24.0	5.3	0.7	0.1	112.5	151.7	222.4	358.8	0.0	0.8	30.5	0.0	6.4	0.0
06	74.1	44.9	59.5	3.9	2.3	2.7	161.1	118.7	70.1	22.3	4.2	1.9	26.1	43.6	85.1	187.3	0.0	1.7	29.7	0.0	0.5	0.0
07	84.9	48.7	66.8	4.7	2.5	3.2	367.4	308.5	224.9	108.0	35.7	19.7	1.8	4.8	14.2	52.4	1.3	11.3	31.0	0.0	0.2	0.0
08	84.7	46.6	65.7	3.4	1.5	2.0	333.7	275.7	195.1	85.6	23.4	11.4	3.7	7.6	20.0	65.6	0.8	10.8	31.0	0.0	0.0	0.0
09	74.2	41.0	57.6	4.1	3.0	2.6	124.7	89.9	50.5	12.4	1.6	0.5	46.8	72.0	122.6	234.5	0.2	2.6	30.0	0.0	2.6	0.0
10	57.7	34.6	46.1	3.7	2.9	2.8	10.2	5.0	1.3	0.1	0.0	0.0	284.6	341.4	430.7	584.4	0.0	0.0	26.0	0.1	11.6	0.0
11	40.9	28.5	34.7	3.1	3.4	3.0	0.1	0.0	0.0	0.0	0.0	0.0	609.0	668.9	758.9	908.9	0.0	0.0	5.2	2.5	20.7	0.2
12	33.0	22.3	27.6	2.6	3.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	847.7	909.7	1002.7	1157.6	0.0	0.0	0.0	11.3	28.8	0.9
Summary	58.1	34.2	46.1	3.7	2.9	2.9	1074	848	567	234	66	34	4280	4783	5597	7089	2.3	27.2	225.4	26.0	165.2	4.0

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	3.20	15.4	9.0	1.6	0.5	2.13	2.53	3.89	
02	2.34	10.9	5.3	1.1	0.2	1.31	1.95	3.25	
03	1.93	12.2	6.2	1.1	0.2	1.19	1.83	2.48	
04	1.75	11.7	5.6	0.6	0.2	1.13	1.75	2.20	
05	2.06	11.1	6.1	1.1	0.2	1.34	1.78	2.66	
06	2.42	11.0	6.7	1.4	0.2	1.41	2.04	3.01	
07	0.90	5.2	2.7	0.6	0.0	0.38	0.70	1.18	
08	0.86	4.9	2.6	0.5	0.1	0.19	0.57	1.08	
09	1.32	6.4	3.5	0.5	0.0	0.60	0.96	1.82	
10	2.86	10.5	7.1	1.5	0.3	1.70	2.61	3.71	
11	3.46	14.4	8.1	2.2	0.6	2.29	3.23	4.62	
12	3.72	15.6	9.5	2.2	0.3	2.66	3.33	4.63	
Summary	26.82	129.3	72.4	14.4	2.8	16.33	23.28	34.53	

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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	18.20	6.1	4.7	2.0	0.8	0.1					15.90	18.80	22.10
02	6.40	2.9	2.0	0.8	0.4	0.0					0.00	3.80	9.50
03	3.70	1.5	1.3	0.7	0.4	0.1					0.00	0.00	7.00
04	0.30	0.1	0.1	0.0	0.0	0.0					0.00	0.00	0.00
05	0.00	0.0	0.0	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					0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
08	0.00	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					0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
11	5.80	2.4	1.8	0.7	0.4	0.1					0.00	0.70	7.00
12	17.00	5.6	4.5	1.9	0.6	0.0					7.00	12.60	18.40
Summary	51.4	18.6	14.4	6.1	2.6	0.3	0.0	0.0	0.0	0.0	22.9	35.9	64.0

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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	0.4	3.2	48.8	170.3	422.3	585.3	830.4	794.9	527.9	213.7	22.0	0.5
45	0.0	0.5	11.5	75.3	275.6	436.1	675.7	640.1	379.8	104.1	5.0	0.0
50	0.0	0.2	1.5	26.5	153.5	290.8	520.8	485.6	240.3	39.1	0.8	0.0
55	0.0	0.0	0.1	7.3	69.0	161.1	367.4	333.7	124.7	10.2	0.1	0.0
60	0.0	0.0	0.0	1.0	24.0	70.1	224.9	195.1	50.5	1.3	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	3.3	43.6	133.0	280.8	367.2	524.7	510.3	357.3	138.4	6.9	0.0

Growing Degree Units (Accumulated Monthly)												
40	0	4	52	223	645	1230	2061	2856	3384	3597	3619	3620
45	0	0	12	87	363	799	1475	2115	2495	2599	2604	2604
50	0	0	2	28	182	472	993	1479	1719	1758	1759	1759
55	0	0	0	7	76	238	605	939	1063	1074	1074	1074
60	0	0	0	1	25	95	320	515	566	567	567	567
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	3	47	180	461	828	1353	1863	2220	2359	2366	2366

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