

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 1929 ft. Lat: 48.4806° N Lon: 115.9061° W
Station: TROY, MT US USC00248390

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	32.7	22.9	27.8	3.4	4.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	843.2	905.2	998.2	1153.2	0.0	0.0	0.4	9.1	27.1	1.6
02	39.0	23.6	31.3	3.8	4.7	4.1	0.0	0.0	0.0	0.0	0.0	0.0	663.6	719.5	803.5	943.6	0.0	0.0	2.1	3.1	24.2	0.7
03	49.7	28.0	38.9	3.8	2.6	2.7	0.5	0.2	0.0	0.0	0.0	0.0	501.2	562.9	655.7	810.7	0.0	0.0	17.3	0.6	22.3	0.2
04	59.1	33.0	46.0	3.5	2.1	2.4	9.3	5.2	1.6	0.1	0.0	0.0	277.8	333.6	420.0	568.6	0.0	0.0	27.2	0.0	14.5	0.0
05	69.8	40.1	54.9	3.6	2.1	2.7	84.2	57.0	28.1	5.3	0.9	0.3	85.7	120.6	184.7	316.9	0.0	0.6	30.8	0.0	4.7	0.0
06	75.8	46.2	61.0	3.6	1.8	2.4	193.8	147.0	90.1	31.5	6.8	3.1	13.8	27.0	60.0	151.5	0.2	3.1	30.0	0.0	0.3	0.0
07	86.7	49.4	68.1	3.5	2.1	2.5	405.0	344.2	256.6	128.5	43.8	24.4	0.5	1.8	7.2	34.0	2.1	14.7	31.0	0.0	0.0	0.0
08	86.0	47.7	66.8	2.8	1.7	1.6	368.6	308.6	223.4	106.5	34.6	18.7	1.3	3.3	11.1	49.2	2.0	13.1	31.0	0.0	0.0	0.0
09	74.9	41.7	58.3	4.2	2.3	2.3	141.7	104.4	60.0	16.3	2.4	0.8	42.8	65.5	111.1	217.4	0.2	2.4	29.8	0.0	2.5	0.0
10	56.5	34.6	45.6	3.0	3.2	2.5	12.3	6.9	2.1	0.2	0.0	0.0	305.2	361.8	450.0	603.1	0.0	0.0	26.6	0.1	11.1	0.0
11	40.6	29.3	34.9	3.0	3.5	3.1	0.1	0.0	0.0	0.0	0.0	0.0	601.6	661.5	751.5	901.5	0.0	0.0	4.7	2.4	18.2	0.2
12	32.4	23.5	27.9	2.9	4.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	838.5	900.4	993.4	1148.5	0.0	0.0	0.5	10.6	26.7	0.7
Summary	58.6	35.0	46.8	3.4	2.9	2.8	1216	974	662	288	88	47	4175	4663	5446	6898	4.5	33.9	231.4	25.9	151.6	3.4

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	2.63	13.6	7.8	1.4	0.2	1.89	2.65	3.08	
02	1.85	9.6	5.3	0.5	0.1	1.09	1.72	2.08	
03	2.44	11.2	6.2	1.0	0.2	1.14	1.89	3.25	
04	1.65	8.9	4.9	0.7	0.1	0.98	1.50	2.17	
05	1.79	10.3	5.6	0.8	0.2	1.11	1.62	1.94	
06	2.52	10.5	5.4	1.1	0.2	1.47	2.43	3.42	
07	0.88	4.7	2.2	0.2	0.0	0.26	0.62	0.84	
08	0.71	4.5	2.2	0.4	0.0	0.13	0.59	1.16	
09	1.21	6.4	3.3	0.3	0.0	0.64	0.85	1.47	
10	2.42	9.1	5.4	0.9	0.2	1.60	2.02	3.09	
11	3.50	14.1	8.9	1.7	0.4	2.22	3.27	4.64	
12	2.79	12.6	7.5	1.5	0.3	1.74	2.69	3.49	
Summary	24.39	115.5	64.7	10.5	1.9	14.27	21.85	30.63	

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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	0.9	5.2	58.7	195.5	463.8	630.1	869.3	832.2	549.3	200.5	23.8	1.2
45	0.0	0.6	14.9	90.2	313.7	480.0	714.5	677.3	401.6	97.2	4.8	0.1
50	0.0	0.1	2.7	33.5	181.4	331.6	559.5	522.4	260.8	38.7	0.7	0.0
55	0.0	0.0	0.5	9.3	84.2	193.8	405.0	368.6	141.7	12.3	0.1	0.0
60	0.0	0.0	0.0	1.6	28.1	90.1	256.6	223.4	60.0	2.1	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.2	2.8	49.0	145.5	307.9	389.5	541.1	525.3	369.1	121.2	4.7	0.2

Growing Degree Units (Accumulated Monthly)												
40	1	6	65	260	724	1354	2224	3056	3605	3806	3829	3830
45	0	1	16	106	419	899	1614	2291	2693	2790	2795	2795
50	0	0	3	36	218	549	1109	1631	1892	1931	1931	1931
55	0	0	0	10	94	288	693	1061	1203	1215	1216	1216
60	0	0	0	2	30	120	376	600	660	662	662	662
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	3	52	198	505	895	1436	1961	2330	2452	2456	2456

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

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