

Summary of Monthly Normals
1991-2020

Current Location: Elev: 7892 ft. Lat: 44.5622° N Lon: 110.3986° W
Station: LAKE YELLOWSTONE, WY US USC00485345

Generated on 05/20/2024

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	23.2	3.3	13.3	3.2	4.9	3.8	0.0	0.0	0.0	0.0	0.0	0.0	1294.2	1356.2	1449.2	1604.2	0.0	0.0	0.0	26.5	31.0	14.4
02	26.7	3.5	15.1	3.3	4.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0	1117.2	1173.2	1257.2	1397.2	0.0	0.0	0.0	20.0	28.0	12.7
03	35.0	10.8	22.9	3.0	3.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	995.1	1057.1	1150.1	1305.1	0.0	0.0	1.1	9.9	31.0	7.9
04	41.5	19.3	30.4	2.7	3.4	2.8	0.0	0.0	0.0	0.0	0.0	0.0	738.0	798.0	888.0	1038.0	0.0	0.0	6.4	2.9	29.6	1.9
05	50.4	29.0	39.7	3.7	2.6	2.8	0.5	0.1	0.0	0.0	0.0	0.0	474.8	536.5	629.3	784.3	0.0	0.0	17.2	0.3	26.0	0.0
06	60.8	36.3	48.5	3.8	1.5	2.4	16.0	7.7	2.2	0.1	0.0	0.0	209.5	261.2	345.7	493.6	0.0	0.0	26.7	0.0	11.6	0.0
07	71.2	42.7	56.9	4.3	2.2	3.1	106.5	68.8	28.9	3.3	0.0	0.0	46.2	70.4	123.5	252.9	0.0	0.1	30.7	0.0	2.5	0.0
08	70.9	41.6	56.2	3.1	1.9	2.2	87.6	51.9	17.9	1.4	0.0	0.0	48.9	75.2	134.2	272.7	0.0	0.0	30.9	0.0	3.2	0.0
09	61.4	34.1	47.7	3.4	2.4	2.4	12.6	5.4	1.1	0.0	0.0	0.0	230.1	282.9	368.6	517.5	0.0	0.0	26.3	0.1	16.2	0.0
10	46.0	25.2	35.6	3.8	3.1	3.2	0.3	0.0	0.0	0.0	0.0	0.0	601.7	663.4	756.4	911.4	0.0	0.0	13.1	3.1	28.8	0.4
11	32.6	14.8	23.7	3.9	4.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	939.0	999.0	1089.0	1239.0	0.0	0.0	1.9	14.6	29.7	4.6
12	23.6	7.2	15.4	2.3	2.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	1227.5	1289.5	1382.5	1537.5	0.0	0.0	0.0	26.6	31.0	10.6
Summary	45.3	22.3	33.8	3.4	3.1	2.9	224	134	50	5	0	0	7922	8563	9574	11353	0.0	0.1	154.3	104.0	268.6	52.5

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	1.97	17.2	6.9	0.4	0.0	1.39	1.89	2.45	
02	1.80	15.1	6.4	0.4	0.0	1.02	1.61	2.21	
03	1.97	13.9	6.7	0.8	0.0	1.33	1.91	2.55	
04	2.12	12.3	7.0	0.7	0.0	1.40	2.13	2.77	
05	2.42	11.3	7.4	1.1	0.1	1.84	2.17	3.08	
06	2.46	13.4	6.9	1.0	0.3	1.68	2.24	2.94	
07	1.29	9.9	4.5	0.5	0.0	0.83	1.20	1.61	
08	1.49	10.4	4.0	0.7	0.1	0.92	1.25	1.83	
09	1.58	9.7	5.2	0.6	0.2	0.84	1.32	2.08	
10	1.64	9.2	4.7	0.9	0.0	1.26	1.62	1.88	
11	1.81	12.3	6.8	0.7	0.0	1.29	1.54	2.24	
12	1.99	16.5	6.5	0.3	0.0	1.35	1.82	2.21	
Summary	22.54	151.2	73.0	8.1	0.7	15.15	20.70	27.85	

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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	35.80	16.3	13.5	4.7	1.6	0.2	31.0	31.0	31.0	31.0	29.10	33.60	45.90
02	30.90	14.4	12.0	3.7	0.8	0.0	28.5	28.5	28.5	28.5	22.30	30.90	38.40
03	25.10	12.3	10.4	3.6	1.3	0.1	31.0	31.0	31.0	31.0	16.70	22.50	33.20
04	22.90	10.2	8.3	2.9	1.1	0.1	29.2	29.0	28.9	28.1	13.30	23.30	30.10
05	6.90	4.3	3.2	0.9	0.4	0.0	13.9	12.0	11.4	9.2	3.20	6.10	8.20
06	1.00	0.8	0.4	0.2	0.1	0.0	0.5	0.1	0.0	0.0	0.00	0.00	0.50
07	0.00	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	1.40	0.8	0.5	0.1	0.0	0.0	0.5	0.1	0.0	0.0	0.00	0.00	1.50
10	10.20	5.5	4.1	1.3	0.3	0.0	8.5	3.8	2.3	0.1	5.30	8.60	16.50
11	29.80	11.8	9.3	3.9	1.3	0.2	25.1	21.5	17.6	7.6	20.80	28.50	36.10
12	35.40	15.4	12.8	4.5	1.2	0.1	30.8	30.5	30.3	28.4	27.80	35.40	40.00
Summary	199.4	91.8	74.5	25.8	8.1	0.7	199.0	187.5	181.0	163.9	138.5	188.9	250.4

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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	0.0	0.0	0.2	7.6	80.6	268.0	525.7	504.4	254.1	50.0	1.9	0.0
45	0.0	0.0	0.0	0.9	25.5	148.8	373.2	352.7	140.1	16.0	0.0	0.0
50	0.0	0.0	0.0	0.0	4.7	61.7	228.4	209.4	57.3	2.6	0.0	0.0
55	0.0	0.0	0.0	0.0	0.5	16.0	106.5	87.6	12.6	0.3	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	2.2	28.9	17.9	1.1	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.0	0.9	9.7	62.1	173.0	332.6	326.4	186.2	45.8	2.7	0.0

Growing Degree Units (Accumulated Monthly)												
40	0	0	0	8	88	356	882	1386	1641	1691	1692	1692
45	0	0	0	1	26	175	548	901	1041	1057	1057	1057
50	0	0	0	0	5	66	295	504	562	564	564	564
55	0	0	0	0	0	16	123	211	223	224	224	224
60	0	0	0	0	0	2	31	49	50	50	50	50
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	1	11	73	246	578	905	1091	1137	1139	1139

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