

Summary of Monthly Normals 1991-2020

Generated on 08/02/2021

Current Location: Elev: 6195 ft. Lat: 44.9767° N Lon: -110.6964° W
 Station: **YELLOWSTONE PARK MAMMOTH, WY US USC00489905**

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	31.4	11.9	21.7	3.0	3.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	1033.9	1095.9	1188.9	1343.9	0.0	0.0	0.2	14.7	30.7	4.7
02	34.2	12.3	23.3	4.2	5.1	4.6	0.0	0.0	0.0	0.0	0.0	0.0	888.9	944.9	1028.9	1168.9	0.0	0.0	0.8	10.2	27.2	4.0
03	41.9	19.1	30.5	4.1	4.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0	759.6	821.6	914.5	1069.6	0.0	0.0	6.7	4.7	28.7	1.5
04	49.7	26.3	38.0	3.6	2.8	3.0	0.9	0.4	0.1	0.0	0.0	0.0	510.9	570.3	660.0	809.9	0.0	0.0	14.6	1.2	23.1	0.2
05	59.6	34.6	47.1	3.8	2.0	2.7	19.1	10.3	3.0	0.1	0.0	0.0	264.0	317.2	403.0	555.1	0.0	0.0	25.1	0.0	9.8	0.0
06	69.5	42.0	55.8	3.8	1.8	2.7	105.2	74.9	40.8	9.2	0.8	0.1	82.7	112.4	168.2	286.7	0.0	0.2	29.3	0.0	1.2	0.0
07	80.8	48.3	64.6	4.4	2.6	3.4	303.9	247.7	169.7	66.2	14.3	5.8	8.1	13.9	28.8	80.3	0.0	3.3	31.0	0.0	0.0	0.0
08	79.8	46.5	63.1	3.1	2.0	2.3	266.6	212.0	137.9	45.7	6.4	1.9	14.0	21.5	40.3	103.1	0.0	1.7	31.0	0.0	0.4	0.0
09	68.8	39.0	53.9	3.1	2.5	2.4	85.9	58.7	28.3	5.0	0.3	0.0	119.0	151.8	211.3	338.1	0.0	0.3	28.5	0.0	4.9	0.0
10	53.6	28.9	41.3	4.3	3.6	3.8	5.6	2.6	0.6	0.0	0.0	0.0	431.8	490.8	581.9	736.2	0.0	0.0	19.2	1.3	19.2	0.4
11	39.4	19.2	29.3	4.4	4.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	771.0	831.0	921.0	1071.0	0.0	0.0	5.2	7.4	26.8	1.5
12	30.3	11.9	21.1	2.8	3.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	1050.7	1112.7	1205.8	1360.7	0.0	0.0	0.1	17.2	30.3	4.1
Summary	53.2	28.3	40.8	3.7	3.2	3.3	787	607	380	126	22	8	5935	6484	7353	8924	0.0	5.5	191.7	56.7	202.3	16.4

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	0.91	10.6	3.0	0.1	0.0	0.54	0.76	1.21
02	0.79	11.4	2.9	0.1	0.0	0.35	0.64	1.02
03	1.09	10.5	3.7	0.2	0.0	0.71	0.88	1.36
04	1.40	11.3	5.1	0.4	0.0	0.95	1.47	1.69
05	1.82	12.8	5.5	0.8	0.1	1.22	1.76	2.44
06	1.86	12.5	5.5	0.9	0.1	1.09	1.62	2.11
07	1.27	9.2	3.9	0.5	0.0	0.65	1.23	1.78
08	1.05	8.5	3.4	0.4	0.0	0.48	0.87	1.31
09	1.21	8.7	3.5	0.6	0.0	0.54	1.08	1.66
10	1.34	9.7	3.9	0.6	0.0	0.88	1.28	1.63
11	1.15	9.6	3.7	0.4	0.1	0.58	0.88	1.23
12	0.91	11.9	2.9	0.1	0.0	0.64	0.80	1.11
Summary	14.80	126.7	47.0	5.1	0.3	8.63	13.27	18.55

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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	11.5	8.7	4.4	1.0	0.3	0.1	30.9	29.9	25.1	6.7	7.6	11.1	14.4
02	11.5	9.4	5.0	0.8	0.2	0.0	26.8	24.8	21.0	9.4	5.6	9.1	14.7
03	10.9	7.0	3.8	1.0	0.4	0.1	18.7	14.9	12.5	5.6	5.6	8.0	12.5
04	7.8	5.5	3.7	0.7	0.2	0.0	6.1	2.3	1.1	0.5	4.2	6.5	8.7
05	1.7	1.2	0.8	0.2	0.1	0.0	0.9	0.2	0.1	0.0	0.0	1.0	2.0
06	0.3	0.1	0.1	0.0	0.0	0.0	0.1	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	0.6	0.3	0.2	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0
10	4.7	2.8	1.5	0.4	0.2	0.0	2.9	1.1	0.5	0.2	0.3	2.0	5.9
11	9.9	7.5	4.2	1.2	0.6	0.0	16.0	8.3	3.1	0.6	6.2	8.7	10.6
12	12.6	10.2	5.1	1.2	0.2	0.0	27.9	20.9	13.9	2.1	7.8	10.9	17.2
Summary	71.5	52.7	28.8	6.6	2.2	0.2	130.5	102.5	77.3	25.1	37.3	57.3	86.0

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0.1	1.3	13.4	71.2	246.3	473.9	760.6	717.5	425.0	140.5	20.6	0.4
45	0.0	0.1	1.8	25.7	136.4	330.5	606.0	563.4	289.8	67.1	4.9	0.0
50	0.0	0.0	0.1	6.5	61.2	204.3	452.1	411.5	174.5	24.5	0.4	0.0
55	0.0	0.0	0.0	0.9	19.1	105.2	303.9	266.6	85.9	5.6	0.0	0.0
60	0.0	0.0	0.0	0.1	3.0	40.8	169.7	137.9	28.3	0.6	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	1.3	14.4	58.1	165.1	296.4	484.9	463.1	287.1	108.8	15.8	0.1

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	15	86	332	806	1567	2284	2709	2850	2870	2871
45	0	0	2	28	164	494	1100	1664	1954	2021	2026	2026
50	0	0	0	7	68	272	724	1136	1310	1335	1335	1335
55	0	0	0	1	20	125	429	696	782	787	787	787
60	0	0	0	0	3	44	214	352	380	380	380	380
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	16	74	239	535	1020	1483	1770	1879	1895	1895

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

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