

Summary of Monthly Normals
1991-2020

Current Location: Elev: 2578 ft. Lat: 47.9364° N Lon: 110.5025° W
Station: LOMA, MT US USC00245153

Generated on 06/03/2024

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	34.1	7.2	20.6	7.0	6.0	6.4	0.1	0.0	0.0	0.0	0.0	0.0	1064.8	1126.7	1219.8	1374.8	0.0	0.0	6.5	12.3	29.3	10.2
02	38.3	10.2	24.3	10.1	9.1	9.4	0.1	0.1	0.0	0.0	0.0	0.0	860.9	916.8	1000.9	1141.0	0.0	0.0	8.0	9.2	27.1	7.1
03	48.7	19.5	34.1	7.5	5.4	6.2	1.1	0.4	0.0	0.0	0.0	0.0	649.1	710.4	803.0	957.9	0.0	0.0	17.1	4.7	28.1	2.5
04	59.4	29.9	44.6	3.5	3.2	3.1	9.5	4.8	1.4	0.1	0.0	0.0	320.0	375.4	461.9	610.6	0.0	0.0	24.4	0.8	17.8	0.2
05	69.0	39.2	54.1	3.7	1.6	2.4	83.6	58.0	30.6	6.4	0.6	0.2	111.6	148.0	213.6	344.3	0.0	0.6	29.6	0.0	5.8	0.0
06	77.2	47.6	62.4	2.8	1.7	1.9	232.8	181.8	116.1	44.0	11.0	5.3	10.8	19.8	44.1	122.0	0.1	2.5	30.0	0.0	0.1	0.0
07	87.6	52.7	70.1	4.8	2.9	3.5	469.9	409.0	319.7	184.6	82.9	53.9	0.5	1.6	5.2	25.0	2.4	13.5	31.0	0.0	0.0	0.0
08	86.5	50.5	68.5	3.6	2.7	2.8	422.8	364.0	279.1	154.1	62.9	38.3	4.4	7.7	15.7	45.6	1.3	12.9	31.0	0.0	0.2	0.0
09	75.6	41.2	58.4	4.0	2.2	2.6	154.6	115.9	69.7	22.8	5.0	2.3	52.8	74.1	117.7	220.9	0.1	3.6	29.4	0.0	3.2	0.0
10	60.7	29.5	45.1	4.3	3.0	3.4	22.6	14.5	6.2	0.8	0.1	0.0	329.5	383.3	468.1	617.7	0.0	0.0	25.5	1.0	18.5	0.4
11	46.2	18.7	32.4	5.7	4.5	4.9	0.8	0.4	0.1	0.0	0.0	0.0	677.2	736.8	826.6	976.5	0.0	0.0	13.7	5.0	26.3	3.0
12	36.3	9.5	22.9	7.2	6.3	6.6	0.0	0.0	0.0	0.0	0.0	0.0	994.8	1056.8	1149.9	1305.0	0.0	0.0	6.0	10.4	30.1	7.4
Summary	60.0	29.6	44.8	5.4	4.0	4.4	1398	1149	823	413	162	100	5076	5557	6326	7741	3.9	33.1	252.2	43.4	186.5	30.8

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	0.53	5.3	1.7	0.0	0.0	0.23	0.51	0.79
02	0.37	5.2	1.3	0.0	0.0	0.12	0.26	0.47
03	0.50	5.0	1.7	0.1	0.0	0.24	0.42	0.71
04	1.37	7.7	3.9	0.6	0.1	0.82	1.32	1.82
05	2.01	9.5	5.7	0.9	0.1	1.21	2.13	2.64
06	2.53	10.2	6.7	1.5	0.2	1.63	2.25	3.46
07	1.19	6.3	3.1	0.6	0.1	0.39	0.78	1.62
08	1.17	5.4	2.8	0.6	0.1	0.41	1.06	1.49
09	1.12	5.4	3.3	0.3	0.0	0.57	1.14	1.39
10	0.99	5.7	2.9	0.5	0.1	0.54	0.98	1.30
11	0.61	5.2	2.1	0.1	0.0	0.28	0.57	0.90
12	0.40	5.1	1.4	0.0	0.0	0.15	0.31	0.60
Summary	12.79	76.0	36.6	5.2	0.7	6.59	11.73	17.19

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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	8.40	4.3	3.9	0.9	0.4	0.0	17.8	13.1	9.8	3.0	4.00	8.00	11.50
02	5.40	4.2	3.1	0.4	0.1	0.0	12.5	9.2	5.8	2.1	2.00	4.00	6.20
03	5.00	2.5	2.2	0.6	0.2	0.0	9.3	6.4	4.1	1.7	1.70	4.00	7.20
04	1.90	0.8	0.7	0.4	0.0	0.0	1.7	0.7	0.2	0.0	0.00	0.00	4.00
05	0.80	0.3	0.3	0.2	0.0	0.0	0.1	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	0.0	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	0.0	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	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
10	1.60	0.7	0.7	0.2	0.0	0.0	0.8	0.4	0.3	0.0	0.00	0.50	2.30
11	6.10	2.7	2.6	0.7	0.3	0.0	6.3	3.7	2.0	0.4	1.50	4.00	11.00
12	7.10	4.1	3.2	0.9	0.3	0.0	12.5	8.1	3.8	0.4	1.00	6.00	12.00
Summary	36.3	19.6	16.7	4.3	1.3	0.0	61.0	41.6	26.0	7.6	10.2	26.5	54.2

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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	12.5	15.6	60.0	185.3	441.0	672.0	934.3	883.3	554.1	221.0	51.5	11.2
45	3.8	4.4	20.3	90.6	297.2	522.1	779.4	728.6	409.0	124.0	19.1	3.0
50	0.7	0.8	5.7	34.8	173.6	373.8	624.4	574.4	272.2	58.1	4.4	0.3
55	0.1	0.1	1.1	9.5	83.6	232.8	469.9	422.8	154.6	22.6	0.8	0.0
60	0.0	0.0	0.0	1.4	30.6	116.1	319.7	279.1	69.7	6.2	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	14.8	26.3	81.5	163.2	298.3	418.5	575.6	549.7	376.3	192.8	58.5	15.9

Growing Degree Units (Accumulated Monthly)												
40	12	28	88	273	714	1386	2321	3204	3758	3979	4031	4042
45	4	8	28	119	416	938	1718	2446	2855	2979	2998	3002
50	1	2	7	42	216	589	1214	1788	2060	2118	2123	2123
55	0	0	1	11	94	327	797	1220	1374	1397	1398	1398
60	0	0	0	1	32	148	468	747	817	823	823	823
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	15	41	123	286	584	1003	1578	2128	2504	2697	2756	2771

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