

Summary of Monthly Normals
1981-2010

Current Location: Elev: 4575 ft. Lat: 46.9558° N Lon: 112.6547° W
Station: LINCOLN RANGER STATION, MT US USC00245040

Generated on 04/28/2024

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	33.1	13.1	23.1	3.6	6.1	4.7	0	0	0	0	0	0	989	1051	1144	1299	0.0	0.0	0.6	12.2	29.3	6.1
02	36.9	15.0	25.9	4.6	5.4	4.7	0	0	0	0	0	0	813	869	953	1093	0.0	0.0	1.3	7.0	26.3	4.1
03	45.3	21.8	33.6	4.1	4.1	3.8	-7777	-7777	0	0	0	0	665	727	820	975	0.0	0.0	9.7	2.4	27.3	1.4
04	54.6	27.3	40.9	4.0	2.5	3.0	2	1	-7777	0	0	0	423	482	572	721	0.0	0.0	19.8	0.1	22.6	0.1
05	63.6	33.6	48.6	4.3	1.6	2.5	26	15	6	1	-7777	-7777	224	275	359	509	0.0	0.2	27.5	0.0	12.7	0.0
06	72.0	40.0	56.0	3.7	2.0	2.5	96	67	34	8	1	-7777	66	97	154	278	0.0	0.6	29.7	0.0	3.7	0.0
07	81.5	43.6	62.5	4.7	2.6	3.1	244	190	120	40	8	3	10	19	41	116	0.1	4.3	31.0	0.0	0.7	0.0
08	81.5	41.5	61.5	3.6	2.2	2.3	217	166	100	27	3	1	16	27	53	135	-7777	4.0	31.0	0.0	2.3	0.0
09	70.6	34.2	52.4	5.7	3.0	3.4	51	32	14	2	-7777	-7777	129	170	242	380	0.0	0.4	28.8	0.0	12.5	0.0
10	56.4	27.8	42.1	4.2	3.0	2.8	3	2	-7777	-7777	0	0	403	464	555	710	0.0	0.0	22.3	0.5	22.0	0.2
11	39.5	20.2	29.8	5.2	4.9	4.7	-7777	0	0	0	0	0	755	814	904	1054	0.0	0.0	5.2	6.1	26.3	2.3
12	30.7	12.0	21.3	4.7	6.2	5.2	0	0	0	0	0	0	1043	1105	1198	1353	0.0	0.0	0.2	15.3	29.7	6.0
Summary	55.5	27.5	41.5	4.4	3.6	3.6	639	473	274	78	12	4	5536	6100	6995	8623	0.1	9.5	207.1	43.6	215.4	20.2

-7777: a non-zero value that would round to zero
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	1.61	9.0	5.3	0.6	-7777	1.23	1.44	1.92
02	1.62	9.0	5.1	0.5	0.2	0.57	0.95	1.91
03	1.19	9.1	4.0	0.3	0.0	0.69	1.08	1.46
04	1.33	8.6	4.1	0.3	0.1	0.79	1.23	1.77
05	1.96	11.2	6.9	0.9	0.2	1.01	1.68	2.55
06	2.27	11.7	6.6	0.9	0.1	1.65	2.25	2.70
07	1.11	7.8	3.8	0.3	0.1	0.38	0.84	1.37
08	1.47	8.0	4.2	0.6	0.1	0.54	1.10	2.09
09	1.29	7.6	4.0	0.5	0.0	0.56	1.35	1.70
10	1.29	7.9	4.7	0.4	0.1	0.69	1.38	1.77
11	1.45	8.8	5.3	0.3	0.0	0.88	1.36	1.76
12	1.47	9.0	5.1	0.8	0.1	0.73	1.39	2.19
Summary	18.06	107.7	59.1	6.4	1.0	9.72	16.05	23.19

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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	15.1	6.1	4.6	1.5	0.4	-7777	20.6	18.7	17.5	12.1	5.6	10.9	18.5
02	10.0	5.0	4.1	1.5	0.6	0.1	20.8	18.9	16.3	13.2	1.2	6.5	12.0
03	7.4	4.4	2.8	0.6	0.3	0.0	16.8	14.1	11.3	7.5	2.0	6.6	13.0
04	3.2	1.5	1.0	0.5	0.1	0.0	4.0	2.2	1.7	1.2	0.0	2.0	5.5
05	1.1	0.4	0.3	0.1	0.1	-7777	0.5	0.1	0.1	0.1	0.0	0.0	1.0
06	1.2	0.2	0.1	0.1	0.1	-7777	0.1	-7777	-7777	-7777	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	0.5	0.1	0.1	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0
10	2.1	1.0	1.0	0.2	0.0	0.0	1.7	0.7	0.2	0.0	0.0	1.0	3.0
11	9.5	4.7	3.3	1.2	0.2	0.0	11.1	5.4	3.5	0.2	4.1	8.5	12.3
12	16.5	6.7	4.8	1.8	0.7	0.1	23.6	19.5	16.7	8.0	8.0	10.2	27.6
Summary	66.6	30.1	22.1	7.6	2.5	0.2	99.4	79.7	67.3	42.3	20.9	45.7	92.9

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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	3	4	25	99	277	480	699	666	377	131	16	1
45	1	-7777	6	37	156	333	544	512	241	56	4	-7777
50	-7777	-7777	1	9	72	199	390	360	127	17	1	0
55	0	0	-7777	2	26	96	244	217	51	3	-7777	0
60	0	0	0	-7777	6	34	120	100	14	-7777	0	0
Growing Degree Units for Corn (Monthly)												
50/86	1	2	26	100	217	330	476	473	310	130	14	-7777

Growing Degree Units (Accumulated Monthly)												
40	3	7	32	131	408	888	1587	2253	2630	2761	2777	2778
45	1	1	7	44	200	533	1077	1589	1830	1886	1890	1890
50	0	0	1	10	82	281	671	1031	1158	1175	1176	1176
55	0	0	0	2	28	124	368	585	636	639	639	639
60	0	0	0	0	6	40	160	260	274	274	274	274
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	3	29	129	346	676	1152	1625	1935	2065	2079	2079

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