

Summary of Monthly Normals
1981-2010

Generated on 04/27/2024

Current Location: Elev: 4145 ft. Lat: 47.0492° N Lon: 109.4578° W

Station: LEWISTOWN AIRPORT, MT US USW00024036

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	34.2	13.0	23.6	6.4	6.4	6.3	0	0	0	0	0	0	973	1035	1128	1283	0.0	0.0	3.0	10.8	28.5	6.5
02	36.5	15.0	25.7	7.1	6.4	6.7	-7777	-7777	0	0	0	0	819	875	959	1099	0.0	0.0	4.6	8.7	26.0	4.4
03	43.9	21.9	32.9	5.7	4.5	5.0	1	-7777	-7777	0	0	0	686	747	840	995	0.0	0.0	10.5	5.2	26.2	1.6
04	53.6	29.2	41.4	3.9	2.7	3.2	7	3	1	-7777	0	0	415	471	559	708	0.0	0.0	18.0	1.1	19.2	0.1
05	62.5	37.5	50.0	4.1	1.9	2.8	43	28	13	2	-7777	-7777	198	245	323	467	0.0	-7777	26.5	-7777	6.9	0.0
06	71.0	45.2	58.1	3.7	2.1	2.8	140	103	60	20	4	2	47	70	117	227	0.0	0.6	29.5	0.0	0.3	0.0
07	80.6	50.4	65.5	4.5	2.7	3.4	330	273	193	88	27	14	5	9	23	73	0.1	4.7	31.0	0.0	0.0	0.0
08	80.6	49.5	65.1	4.1	2.5	3.2	321	265	189	86	23	11	10	16	33	85	-7777	4.5	30.9	0.0	-7777	0.0
09	69.0	40.7	54.9	5.3	2.3	3.6	105	78	46	14	2	1	109	142	201	319	0.0	0.8	27.7	0.1	3.2	0.0
10	56.6	30.8	43.7	4.1	2.7	3.2	16	10	4	-7777	0	0	367	422	509	661	0.0	0.0	21.6	1.5	16.4	0.2
11	43.1	20.9	32.0	6.9	5.7	6.2	2	1	-7777	0	0	0	692	751	840	990	0.0	0.0	9.9	5.7	24.7	2.2
12	34.0	12.5	23.3	6.4	6.2	6.2	0	0	0	0	0	0	984	1046	1139	1294	0.0	0.0	2.7	11.0	29.3	5.6
Summary	55.5	30.6	43.0	5.2	3.8	4.4	965	761	506	210	56	28	5305	5829	6671	8201	0.1	10.6	215.9	44.1	180.7	20.6

-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	0.57	7.3	1.9	0.0	0.0	0.30	0.49	0.76
02	0.44	7.1	1.5	-7777	0.0	0.16	0.41	0.62
03	0.99	9.6	3.4	0.2	0.1	0.50	0.93	1.27
04	1.41	10.3	4.1	0.5	0.1	0.85	1.34	2.00
05	2.85	13.5	7.1	1.5	0.6	1.54	2.69	3.50
06	3.08	13.5	7.5	1.9	0.3	2.09	3.18	3.76
07	1.93	10.7	5.5	0.8	0.1	0.87	1.76	2.82
08	1.73	9.7	4.2	0.7	0.2	0.56	1.31	2.56
09	1.35	8.9	4.1	0.6	0.0	0.83	1.40	1.77
10	1.13	8.1	3.2	0.3	0.1	0.68	0.96	1.37
11	0.71	7.2	2.3	0.2	0.0	0.33	0.65	1.10
12	0.66	7.8	2.1	0.0	0.0	0.30	0.59	0.93
Summary	16.85	113.7	46.9	6.7	1.5	9.01	15.71	22.46

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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	9.6	7.9	2.9	0.9	0.3	0.0	21.5	14.3	9.9	1.6	3.3	9.4	14.1
02	5.1	6.3	1.9	0.2	0.1	0.0	14.9	10.6	7.0	1.0	2.9	3.7	7.4
03	12.0	8.4	4.0	1.1	0.3	0.1	11.7	7.3	4.3	1.2	5.6	11.3	17.6
04	8.0	5.7	2.6	0.8	0.2	0.0	5.0	2.7	1.5	0.5	2.9	7.1	13.7
05	4.8	2.0	1.1	0.6	0.3	0.1	0.9	0.6	0.3	0.1	0.0	2.1	5.8
06	0.1	0.1	0.1	0.0	0.0	0.0	-7777	-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	1.6	1.2	0.6	0.3	0.0	0.0	0.4	0.1	-7777	0.0	0.0	0.6	2.7
10	3.9	3.2	1.4	0.2	0.1	0.1	2.4	0.8	0.3	-7777	1.2	2.9	4.7
11	7.5	6.2	2.9	0.5	0.2	0.0	10.1	5.2	2.0	0.1	4.5	6.6	11.5
12	10.5	8.6	3.6	0.9	0.2	0.0	18.0	11.4	7.4	2.1	6.6	8.4	14.5
Summary	63.1	49.6	21.1	5.5	1.7	0.3	84.9	53.0	32.7	6.6	27.0	52.1	92.0

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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	10	15	45	130	323	543	790	776	453	192	51	7
45	2	3	15	62	197	396	635	622	317	106	22	1
50	-7777	-7777	4	23	102	256	481	469	197	48	7	-7777
55	0	-7777	1	7	43	140	330	321	105	16	2	0
60	0	0	-7777	1	13	60	193	189	46	4	-7777	0
Growing Degree Units for Corn (Monthly)												
50/86	7	13	40	104	207	323	491	485	292	145	40	6

Growing Degree Units (Accumulated Monthly)												
40	10	25	70	200	523	1066	1856	2632	3085	3277	3328	3335
45	2	5	20	82	279	675	1310	1932	2249	2355	2377	2378
50	0	0	4	27	129	385	866	1335	1532	1580	1587	1587
55	0	0	1	8	51	191	521	842	947	963	965	965
60	0	0	0	1	14	74	267	456	502	506	506	506
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	7	20	60	164	371	694	1185	1670	1962	2107	2147	2153

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