

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 4643 ft. Lat: 45.6983° N Lon: 110.4408° W
Station: LIVINGSTON MISSION FLD, MT US USW00024150

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	37.4	18.8	28.1	4.1	4.7	4.3	0.0	0.0	0.0	0.0	0.0	0.0	834.0	896.0	989.0	1143.9	0.0	0.0	5.0	8.1	25.3	3.9
02	38.9	18.9	28.9	6.8	6.2	6.4	0.5	0.2	0.0	0.0	0.0	0.0	731.1	786.9	870.7	1010.7	0.0	0.0	7.0	6.9	23.4	2.9
03	47.8	24.3	36.1	6.0	4.7	5.2	1.9	0.8	0.2	0.0	0.0	0.0	589.5	650.3	742.7	897.5	0.0	0.0	15.9	3.1	23.3	1.3
04	54.4	30.0	42.2	3.2	2.4	2.5	6.5	3.5	1.1	0.1	0.0	0.0	390.4	447.4	535.0	684.1	0.0	0.0	20.8	0.8	18.1	0.1
05	64.4	37.6	51.0	3.7	2.0	2.4	47.3	29.7	12.1	1.3	0.1	0.0	171.4	215.8	291.2	435.3	0.0	0.0	28.2	0.0	6.9	0.0
06	73.8	44.8	59.3	4.1	1.7	2.7	164.3	122.6	71.6	21.5	3.5	1.4	35.2	53.5	92.6	192.5	0.0	2.0	29.7	0.0	0.5	0.0
07	85.7	50.2	67.9	5.0	2.5	3.6	403.1	343.3	256.9	130.2	42.7	22.4	1.8	4.1	10.7	38.8	1.0	12.1	31.0	0.0	0.0	0.0
08	84.8	48.1	66.5	3.8	2.4	2.9	361.5	303.6	220.6	103.3	29.0	13.9	6.6	10.8	20.8	58.4	0.4	11.1	31.0	0.0	0.2	0.0
09	73.5	41.2	57.3	3.7	2.1	2.5	140.3	105.6	62.8	20.1	3.6	1.1	69.9	95.2	142.4	249.7	0.0	2.7	29.1	0.0	3.2	0.0
10	58.2	32.7	45.5	4.2	3.1	3.5	28.4	18.2	8.9	1.8	0.3	0.1	324.4	376.2	459.9	607.8	0.0	0.1	23.6	1.4	13.9	0.3
11	44.9	25.3	35.1	5.8	4.6	5.1	4.5	2.6	0.8	0.0	0.0	0.0	601.5	659.5	747.8	897.0	0.0	0.0	12.0	4.9	20.9	1.4
12	36.4	18.8	27.6	4.2	4.4	4.2	0.1	0.0	0.0	0.0	0.0	0.0	849.3	911.2	1004.2	1159.3	0.0	0.0	4.1	9.7	26.0	3.3
Summary	58.4	32.6	45.5	4.5	3.4	3.8	1158	930	635	278	79	39	4605	5107	5907	7375	1.4	28.0	237.4	34.9	161.7	13.2

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	0.44	5.5	1.5	0.0	0.0	0.15	0.37	0.65	
02	0.47	6.5	1.6	0.0	0.0	0.26	0.42	0.61	
03	0.79	8.4	2.5	0.1	0.0	0.42	0.82	1.06	
04	1.71	11.8	5.8	0.5	0.0	1.24	1.55	2.22	
05	2.66	13.6	6.8	1.5	0.3	2.03	2.67	3.35	
06	2.42	12.9	6.6	1.2	0.2	1.74	2.22	3.19	
07	1.31	9.2	3.4	0.5	0.1	0.56	1.11	1.73	
08	1.07	7.8	2.8	0.4	0.0	0.54	0.72	1.44	
09	1.20	7.5	3.6	0.5	0.1	0.62	0.96	1.64	
10	1.36	9.5	4.3	0.4	0.1	0.77	1.24	1.82	
11	0.62	7.1	2.0	0.1	0.0	0.35	0.54	0.92	
12	0.50	6.3	1.4	0.1	0.0	0.24	0.39	0.57	
Summary	14.55	106.1	42.3	5.3	0.8	8.92	13.01	19.20	

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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	21.2	28.3	78.6	140.8	351.3	579.3	865.6	819.5	523.3	233.9	80.8	18.5
45	4.9	9.1	32.2	65.2	219.4	430.9	711.1	665.1	380.2	135.7	37.3	4.3
50	0.7	2.2	9.6	23.2	115.1	288.8	556.2	511.4	248.6	68.2	14.7	0.7
55	0.0	0.5	1.9	6.5	47.3	164.3	403.1	361.5	140.3	28.4	4.5	0.1
60	0.0	0.0	0.2	1.1	12.1	71.6	256.9	220.6	62.8	8.9	0.8	0.0
Growing Degree Units for Corn (Monthly)												
50/86	6.8	15.2	61.1	110.1	232.8	361.2	540.1	523.8	354.6	166.0	46.7	6.2

Growing Degree Units (Accumulated Monthly)												
40	21	50	128	269	620	1200	2065	2885	3408	3642	3723	3741
45	5	14	46	111	331	762	1473	2138	2518	2654	2691	2695
50	1	3	12	36	151	440	996	1507	1756	1824	1839	1839
55	0	0	2	9	56	220	624	985	1125	1154	1158	1158
60	0	0	0	1	13	85	342	562	625	634	635	635
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	7	22	83	193	426	787	1327	1851	2206	2372	2418	2425

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