

Summary of Monthly Normals
1991-2020

Current Location: Elev: 3440 ft. Lat: 47.9578° N Lon: 115.2144° W
Station: LIBBY 32 SSE, MT US USC00245020
Generated on 05/16/2024

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	30.4	14.9	22.7	3.6	5.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0	1002.9	1064.9	1157.9	1312.9	0.0	0.0	0.2	12.8	30.4	4.5
02	34.7	15.1	24.9	4.8	6.3	5.4	0.0	0.0	0.0	0.0	0.0	0.0	842.7	898.7	982.7	1122.7	0.0	0.0	1.0	7.1	27.3	3.7
03	43.0	21.9	32.5	3.7	3.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	699.1	761.1	854.1	1009.1	0.0	0.0	7.6	1.5	29.1	1.2
04	52.5	27.7	40.1	3.6	2.1	2.4	0.7	0.2	0.0	0.0	0.0	0.0	447.7	507.3	597.0	747.0	0.0	0.0	18.8	0.1	24.8	0.1
05	62.4	34.3	48.4	3.3	1.8	2.2	15.8	7.8	1.8	0.1	0.0	0.0	222.1	276.0	363.0	516.3	0.0	0.0	29.1	0.0	14.4	0.0
06	68.5	39.5	54.0	2.9	1.6	1.9	58.1	36.6	15.6	2.3	0.2	0.0	88.1	126.6	195.6	332.3	0.0	0.1	29.8	0.0	6.8	0.0
07	77.9	41.7	59.8	4.3	2.4	2.8	169.2	122.2	66.7	15.4	1.7	0.4	20.4	35.5	72.9	176.7	0.0	2.4	31.0	0.0	2.7	0.0
08	77.8	39.5	58.7	2.9	2.4	1.9	142.3	98.7	48.9	9.0	0.5	0.1	29.2	47.6	90.8	205.9	0.0	2.3	31.0	0.0	6.2	0.0
09	67.4	33.8	50.6	3.9	2.4	2.2	25.7	13.2	4.0	0.1	0.0	0.0	157.8	205.2	286.0	432.2	0.0	0.2	29.4	0.0	16.5	0.0
10	51.8	27.3	39.5	3.0	3.0	2.5	0.7	0.3	0.0	0.0	0.0	0.0	479.6	541.2	633.9	788.9	0.0	0.0	19.5	0.8	23.0	0.4
11	36.9	22.0	29.4	3.7	4.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	766.5	826.5	916.5	1066.5	0.0	0.0	3.2	7.1	27.2	1.9
12	28.8	15.3	22.1	3.2	5.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	1021.3	1083.4	1176.4	1331.3	0.0	0.0	0.2	17.6	30.4	4.5
Summary	52.7	27.8	40.2	3.6	3.3	3.0	412	279	137	27	2	0	5777	6374	7327	9042	0.0	5.0	200.8	47.0	238.8	16.3

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	2.12	15.3	6.6	0.7	0.1	1.27	2.10	2.88	
02	1.84	11.2	5.2	0.7	0.1	1.13	1.53	2.39	
03	2.17	13.9	6.3	1.0	0.1	1.14	1.85	2.93	
04	1.62	11.8	4.8	0.4	0.1	0.97	1.53	2.08	
05	2.09	12.2	6.0	1.0	0.2	1.30	1.83	2.62	
06	1.98	10.3	5.4	1.0	0.1	1.13	2.08	2.71	
07	0.78	6.0	2.4	0.3	0.0	0.19	0.69	1.08	
08	0.84	5.3	2.4	0.4	0.1	0.32	0.67	1.13	
09	1.19	7.4	3.9	0.6	0.0	0.63	1.16	1.46	
10	2.15	11.6	6.2	1.2	0.1	1.27	2.18	2.67	
11	2.94	14.5	8.0	1.3	0.3	1.53	2.63	3.81	
12	2.59	14.6	7.8	1.1	0.1	1.48	2.23	3.39	
Summary	22.31	134.1	65.0	9.7	1.3	12.36	20.48	29.15	

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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	17.70	12.9	5.8	1.7	0.7	0.0	30.4	28.5	26.2	20.7	10.90	17.40	20.40
02	14.20	10.0	4.8	1.3	0.4	0.0	27.2	26.6	24.3	20.1	5.50	13.00	20.30
03	14.60	10.3	4.6	1.4	0.7	0.1	26.7	23.8	21.5	17.0	6.30	10.90	18.60
04	5.20	4.6	1.4	0.3	0.2	0.0	8.0	5.5	4.4	3.0	1.60	3.10	10.50
05	0.50	0.8	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.80
06	0.20	0.2	0.1	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	3.00	1.9	1.0	0.2	0.1	0.0	1.7	0.8	0.5	0.1	0.00	1.40	3.70
11	15.40	9.4	4.8	1.7	0.5	0.0	14.5	9.1	6.4	2.4	5.60	14.70	18.50
12	21.90	13.8	6.9	2.2	0.8	0.0	28.3	23.8	17.9	11.2	8.60	15.30	27.30
Summary	92.7	63.9	29.5	8.8	3.4	0.1	136.9	118.1	101.2	74.5	38.5	75.8	120.1

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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	0.1	0.7	9.4	74.9	266.5	420.1	613.7	578.1	323.7	84.4	9.9	0.2
45	0.0	0.0	1.0	24.7	142.0	273.0	458.8	423.7	190.0	29.9	1.7	0.0
50	0.0	0.0	0.0	5.4	57.8	144.1	306.5	273.9	86.4	7.2	0.2	0.0
55	0.0	0.0	0.0	0.7	15.8	58.1	169.2	142.3	25.7	0.7	0.0	0.0
60	0.0	0.0	0.0	0.0	1.8	15.6	66.7	48.9	4.0	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	0.9	14.2	75.1	196.7	279.0	430.2	428.4	263.9	76.8	4.3	0.0

Growing Degree Units (Accumulated Monthly)												
40	0	1	10	85	352	772	1385	1964	2287	2372	2382	2382
45	0	0	1	26	168	441	900	1323	1513	1543	1545	1545
50	0	0	0	5	63	207	514	788	874	881	882	882
55	0	0	0	1	16	75	244	386	412	412	412	412
60	0	0	0	0	2	17	84	133	137	137	137	137
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	15	90	287	566	996	1425	1688	1765	1770	1770

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