

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 6544 ft. Lat: 45.2436° N Lon: 109.7311° W

Station: MYSTIC LAKE, MT US USC00245961

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	34.5	18.5	26.5	3.1	4.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	883.7	945.7	1038.6	1193.6	0.0	0.0	1.5	10.7	26.4	2.9
02	34.3	16.9	25.6	5.5	5.9	5.6	0.0	0.0	0.0	0.0	0.0	0.0	822.9	878.9	963.0	1103.0	0.0	0.0	2.1	9.8	24.7	3.0
03	41.4	22.2	31.8	3.9	4.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	719.3	781.3	874.3	1029.3	0.0	0.0	7.5	5.1	25.5	1.2
04	48.0	26.9	37.4	3.5	2.8	3.0	1.1	0.4	0.1	0.0	0.0	0.0	527.5	586.8	676.5	826.4	0.0	0.0	13.6	2.1	21.1	0.1
05	56.5	34.9	45.7	3.9	2.4	3.0	19.0	10.9	3.8	0.3	0.0	0.0	307.3	361.2	447.1	598.6	0.0	0.0	23.6	0.2	10.7	0.0
06	66.0	42.7	54.3	3.3	1.9	2.5	76.7	51.2	24.4	4.1	0.3	0.1	96.2	130.7	193.9	323.6	0.0	0.0	28.9	0.0	1.5	0.0
07	74.7	50.0	62.3	4.0	2.9	3.4	241.0	188.2	117.6	36.8	5.6	2.4	13.4	22.6	45.0	119.1	0.0	0.2	31.0	0.0	0.0	0.0
08	74.1	49.6	61.9	3.3	2.6	2.8	233.4	181.7	113.6	33.7	3.8	1.2	21.2	31.6	56.4	131.5	0.0	0.1	30.8	0.0	0.2	0.0
09	65.5	41.7	53.6	3.1	2.5	2.6	89.6	63.3	32.6	5.7	0.4	0.1	131.7	165.4	224.6	347.8	0.0	0.0	28.0	0.1	4.1	0.0
10	52.0	32.3	42.1	4.3	4.1	4.0	14.5	8.8	3.7	0.4	0.0	0.0	412.8	469.1	557.0	708.7	0.0	0.0	18.5	1.7	14.5	0.3
11	39.9	24.0	32.0	4.3	4.3	4.2	0.5	0.2	0.0	0.0	0.0	0.0	692.0	751.6	841.5	991.5	0.0	0.0	6.1	6.6	21.4	1.3
12	32.8	17.7	25.3	3.8	4.6	4.1	0.0	0.0	0.0	0.0	0.0	0.0	921.9	983.9	1077.0	1232.0	0.0	0.0	0.9	13.5	27.6	2.9
Summary	51.6	31.5	41.5	3.8	3.5	3.5	676	505	296	81	10	4	5550	6109	6995	8605	0.0	0.3	192.5	49.8	177.7	11.7

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	1.12	7.9	3.7	0.2	0.0	0.60	0.97	1.46	
02	1.49	9.2	4.8	0.5	0.1	0.74	1.15	1.73	
03	2.00	11.2	6.3	0.9	0.1	1.17	1.53	2.81	
04	2.73	12.4	7.4	1.4	0.3	1.94	2.32	3.81	
05	4.10	14.1	8.9	2.2	0.4	2.88	4.12	4.81	
06	3.01	14.4	8.9	1.7	0.3	1.48	2.85	4.06	
07	2.30	12.1	7.0	0.9	0.2	1.59	1.96	3.25	
08	1.86	11.7	6.4	0.6	0.1	1.14	1.63	2.67	
09	2.03	9.2	5.7	1.0	0.3	1.11	1.70	2.49	
10	2.55	10.3	6.3	1.6	0.4	1.82	2.21	3.14	
11	1.92	9.1	5.0	1.0	0.2	1.03	1.46	2.27	
12	1.40	9.6	4.8	0.4	0.0	0.80	1.29	1.96	
Summary	26.51	131.2	75.2	12.4	2.4	16.30	23.19	34.46	

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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	17.40	7.6	6.3	2.5	0.9	0.1	22.3	12.1	6.3	1.4	11.80	15.00	23.80
02	25.30	8.4	6.9	3.6	1.7	0.3	20.7	13.5	8.3	2.3	13.00	18.00	30.00
03	31.60	9.1	8.0	4.3	2.3	0.7	20.9	13.4	8.8	3.9	16.00	24.70	48.10
04	34.00	8.8	8.0	4.1	2.6	0.7	14.3	9.5	6.1	2.9	17.30	28.70	45.20
05	14.60	3.5	3.4	1.9	1.1	0.5	3.8	2.1	1.5	0.8	5.50	11.00	21.80
06	1.70	0.4	0.4	0.3	0.1	0.0	0.4	0.3	0.1	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	3.80	1.1	0.9	0.5	0.2	0.1	0.8	0.5	0.3	0.1	0.00	0.70	4.40
10	20.10	5.2	4.7	2.4	1.5	0.7	7.4	4.4	3.1	1.7	9.70	17.80	23.40
11	22.60	7.3	6.3	2.8	1.4	0.5	15.7	8.6	5.3	2.6	9.50	19.40	27.20
12	21.60	8.5	7.6	3.3	1.5	0.4	22.0	11.7	6.7	2.2	10.30	19.30	27.40
Summary	192.7	59.9	52.5	25.7	13.3	4.0	128.3	76.1	46.5	17.9	93.1	154.6	251.3

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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	6.7	7.2	28.7	70.7	220.0	433.3	692.6	677.7	420.8	168.8	41.9	4.6
45	0.9	1.6	8.0	26.8	121.7	292.6	537.8	524.4	289.7	91.8	15.4	0.6
50	0.0	0.1	1.4	7.8	56.3	168.4	385.1	374.5	175.9	41.4	3.7	0.0
55	0.0	0.0	0.0	1.1	19.0	76.7	241.0	233.4	89.6	14.5	0.5	0.0
60	0.0	0.0	0.0	0.1	3.8	24.4	117.6	113.6	32.6	3.7	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.4	2.3	14.7	47.3	129.7	248.1	419.0	412.9	252.5	92.7	14.6	0.5

Growing Degree Units (Accumulated Monthly)												
40	7	14	43	113	333	767	1459	2137	2558	2727	2768	2773
45	1	2	10	37	159	452	989	1514	1804	1895	1911	1911
50	0	0	2	9	66	234	619	994	1170	1211	1215	1215
55	0	0	0	1	20	97	338	571	661	675	676	676
60	0	0	0	0	4	28	146	260	292	296	296	296
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	4	18	66	195	444	862	1275	1528	1621	1635	1636

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

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