

Summary of Monthly Normals
1991-2020

Current Location: Elev: 3097 ft. Lat: 45.7717° N Lon: 108.4811° W
Station: **BILLINGS WTP, MT US USC00240802**
Generated on 04/26/2024

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	36.5	14.4	25.4	5.1	4.8	4.9	0.0	0.0	0.0	0.0	0.0	0.0	916.0	978.0	1071.0	1226.0	0.0	0.0	7.2	7.7	29.1	4.7
02	40.6	17.3	29.0	7.8	6.8	7.2	0.0	0.0	0.0	0.0	0.0	0.0	729.3	785.2	869.2	1009.3	0.0	0.0	11.0	5.6	25.8	3.3
03	50.9	24.7	37.8	6.1	4.3	5.1	1.4	0.5	0.0	0.0	0.0	0.0	534.7	595.8	688.3	843.3	0.0	0.0	20.7	2.3	23.3	1.1
04	58.6	33.1	45.8	3.8	2.7	3.0	14.9	8.5	3.1	0.2	0.0	0.0	289.3	343.0	427.6	574.7	0.0	0.0	25.4	0.5	11.9	0.0
05	67.6	41.9	54.7	3.9	2.1	2.5	92.9	65.4	34.9	8.2	1.0	0.4	100.7	135.2	197.7	326.0	0.0	0.6	29.9	0.0	2.4	0.0
06	76.9	50.4	63.7	3.4	2.0	2.5	270.6	218.7	147.5	60.1	16.2	7.7	11.2	19.2	38.0	100.6	0.1	4.4	30.0	0.0	0.0	0.0
07	86.3	56.2	71.2	4.2	2.6	3.3	503.7	442.1	351.2	209.8	93.7	59.3	0.2	0.6	2.6	16.2	2.0	16.2	31.0	0.0	0.0	0.0
08	85.4	53.7	69.6	3.2	1.9	2.3	454.3	394.6	306.8	171.6	67.1	38.9	3.5	5.6	10.9	30.6	1.0	15.7	31.0	0.0	0.0	0.0
09	75.2	45.0	60.1	3.3	2.2	2.4	194.2	152.1	98.3	36.3	7.4	3.1	41.3	59.3	95.4	183.3	0.0	4.2	29.5	0.0	0.7	0.0
10	60.4	34.3	47.3	4.4	2.6	3.3	31.3	20.2	9.7	1.7	0.1	0.0	268.4	319.3	401.8	548.8	0.0	0.2	27.0	0.9	10.5	0.1
11	46.5	23.7	35.1	5.6	3.9	4.6	0.9	0.3	0.1	0.0	0.0	0.0	597.8	657.3	747.0	897.0	0.0	0.0	15.9	3.1	23.6	0.8
12	36.8	15.8	26.3	6.2	5.2	5.6	0.0	0.0	0.0	0.0	0.0	0.0	889.4	951.4	1044.4	1199.5	0.0	0.0	6.9	7.4	29.5	3.0
Summary	60.1	34.2	47.2	4.8	3.4	3.9	1564	1302	952	488	186	109	4382	4850	5594	6955	3.1	41.3	265.5	27.5	156.8	13.0

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Current Location: Elev: 3097 ft. Lat: 45.7717° N Lon: 108.4811° W
Station: **BILLINGS WTP, MT US USC00240802**

Summary of Monthly Normals
1991-2020
Generated on 04/26/2024

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	0.56	5.0	2.0	0.0	0.0	0.38	0.57	0.74	
02	0.57	4.8	2.1	0.1	0.0	0.21	0.40	0.64	
03	0.97	5.7	2.7	0.5	0.1	0.57	0.85	1.33	
04	1.88	8.9	5.0	1.1	0.2	1.41	1.74	2.47	
05	2.47	10.7	6.0	1.5	0.4	1.38	2.00	3.14	
06	2.45	10.4	5.7	1.4	0.4	1.58	2.18	2.84	
07	1.31	6.9	3.1	0.7	0.2	0.63	0.94	1.92	
08	0.80	5.1	2.2	0.3	0.1	0.31	0.63	1.11	
09	1.52	6.3	3.6	0.9	0.3	0.64	1.24	2.23	
10	1.60	7.3	4.1	0.9	0.2	0.84	1.54	2.18	
11	0.68	5.6	2.3	0.2	0.0	0.31	0.56	0.82	
12	0.62	4.5	2.2	0.2	0.0	0.30	0.46	0.81	
Summary	15.43	81.2	41.0	7.8	1.9	8.56	13.11	20.23	

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 3097 ft. Lat: 45.7717° N Lon: 108.4811° W
Station: **BILLINGS WTP, MT US USC00240802**

Summary of Monthly Normals
1991-2020
Generated on 04/26/2024

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	7.50	3.5	2.4	1.0	0.3	0.0	17.7	12.9	7.1	1.9	3.90	5.40	12.00
02	4.70	3.2	2.1	0.7	0.4	0.0	9.9	4.8	3.5	1.0	0.00	3.20	7.30
03	4.90	1.9	1.4	0.4	0.1	0.0	5.1	3.1	2.1	1.1	2.10	5.50	6.60
04	3.20	1.3	1.1	0.4	0.1	0.0	1.3	0.5	0.2	0.0	0.00	0.00	1.00
05	0.10	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
06	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
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	1.70	1.0	0.7	0.2	0.1	0.0	1.4	0.5	0.3	0.0	0.00	0.00	1.10
11	3.10	1.8	1.2	0.5	0.1	0.0	4.7	1.6	0.7	0.4	0.10	1.10	2.80
12	9.80	3.9	3.1	0.8	0.4	0.0	11.4	6.9	3.5	0.8	4.40	8.10	14.00
Summary	35.0	16.7	12.1	4.0	1.5	0.0	51.6	30.3	17.4	5.2	10.5	23.3	44.8

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Summary of Monthly Normals
1991-2020

Current Location: Elev: 3097 ft. Lat: 45.7717° N Lon: 108.4811° W
Station: **BILLINGS WTP, MT US USC00240802**

Generated on 04/26/2024

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	7.5	21.0	97.4	217.0	461.1	709.5	968.2	915.7	604.2	270.9	64.0	8.7
45	1.0	5.4	39.0	115.3	316.6	559.7	813.4	760.9	458.7	158.8	24.1	1.4
50	0.0	0.9	10.4	48.7	189.3	411.9	658.5	606.6	318.4	78.9	5.9	0.1
55	0.0	0.0	1.4	14.9	92.9	270.6	503.7	454.3	194.2	31.3	0.9	0.0
60	0.0	0.0	0.0	3.1	34.9	147.5	351.2	306.8	98.3	9.7	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	8.7	24.3	91.7	155.6	282.3	433.2	615.3	577.6	384.8	188.5	54.4	9.0

Growing Degree Units (Accumulated Monthly)												
40	8	28	126	343	804	1514	2482	3397	4002	4272	4336	4345
45	1	6	45	161	477	1037	1850	2611	3070	3229	3253	3254
50	0	1	11	60	249	661	1320	1926	2245	2324	2330	2330
55	0	0	1	16	109	380	884	1338	1532	1563	1564	1564
60	0	0	0	3	38	186	537	844	942	952	952	952
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	9	33	125	280	563	996	1611	2189	2574	2762	2816	2825

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
Empty or blank cells indicate data is missing or insufficient occurrences to compute value.