

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 1310 ft. Lat: 37.0539° N Lon: 93.5756° W

Station: BILLINGS 1SW, MO US USC00230657

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	44.6	21.9	33.2	4.4	3.8	3.9	2.7	1.7	0.6	0.0	0.0	0.0	676.8	737.8	829.6	983.9	0.0	0.0	10.1	6.8	26.4	1.4
02	49.8	25.4	37.6	4.9	4.2	4.3	6.4	3.8	1.4	0.2	0.0	0.0	493.6	546.9	628.5	767.3	0.0	0.0	13.4	3.8	22.4	0.4
03	59.0	33.4	46.2	4.6	4.2	4.3	38.7	26.4	13.8	3.4	0.3	0.1	311.6	361.2	441.6	586.2	0.0	0.0	22.4	1.0	15.6	0.0
04	68.8	42.6	55.7	3.2	3.3	3.1	125.8	95.1	58.7	20.4	3.9	1.5	104.8	134.1	187.8	299.5	0.0	0.1	27.9	0.0	4.8	0.0
05	76.4	53.5	64.9	3.0	3.0	2.9	321.7	268.2	195.5	97.8	34.0	17.9	13.2	21.7	42.1	99.4	0.0	0.4	30.9	0.0	0.3	0.0
06	84.9	62.5	73.7	2.9	2.3	2.4	561.0	501.2	412.1	268.0	140.3	97.2	0.1	0.3	1.2	7.2	0.1	5.0	30.0	0.0	0.0	0.0
07	89.6	66.6	78.1	3.4	2.3	2.6	716.0	654.0	561.0	406.5	256.4	199.8	0.0	0.0	0.0	0.5	1.4	12.9	31.0	0.0	0.0	0.0
08	89.3	64.9	77.1	3.9	2.8	3.2	685.0	623.0	530.0	376.7	231.6	179.2	0.0	0.0	0.1	1.8	1.4	13.6	31.0	0.0	0.0	0.0
09	82.0	57.1	69.6	3.2	3.3	2.9	440.0	382.9	299.9	176.4	82.6	55.5	3.6	6.5	13.5	40.1	0.3	3.8	30.0	0.0	0.0	0.0
10	70.4	44.7	57.5	3.3	2.4	2.4	162.8	127.3	83.4	33.1	8.6	4.5	83.7	110.2	159.4	264.1	0.0	0.0	29.8	0.1	3.5	0.0
11	58.0	33.8	45.9	5.0	3.9	4.1	29.7	19.7	9.7	1.9	0.1	0.0	302.7	352.7	432.7	574.9	0.0	0.0	21.7	0.7	14.8	0.0
12	47.6	25.6	36.6	4.1	3.6	3.7	4.9	2.9	1.1	0.0	0.0	0.0	575.2	635.2	726.3	880.2	0.0	0.0	12.3	4.1	24.4	0.4
Summary	68.4	44.3	56.3	3.8	3.3	3.3	3095	2706	2167	1384	758	556	2565	2907	3463	4505	3.2	35.8	290.5	16.5	112.2	2.2

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	2.57	8.2	4.8	1.9	0.6	1.27	2.70	3.37
02	2.40	7.3	4.8	1.6	0.6	1.12	2.15	3.16
03	3.90	10.1	7.2	2.8	1.1	2.40	3.39	4.51
04	4.53	10.1	6.9	3.0	1.4	2.78	3.68	5.53
05	5.64	11.2	8.0	4.1	1.8	4.05	5.10	7.00
06	4.44	9.7	6.8	3.1	1.4	2.66	3.67	6.05
07	4.01	9.0	6.1	2.6	1.1	2.49	3.67	5.78
08	3.52	7.5	5.2	2.5	1.3	1.66	3.15	4.71
09	4.80	7.0	5.2	2.6	1.6	2.69	3.86	6.09
10	3.49	8.3	5.7	2.3	1.1	1.86	2.64	4.24
11	3.63	8.4	5.5	2.4	0.8	1.60	3.19	5.26
12	2.85	7.3	4.4	1.8	0.6	1.53	2.70	3.34
Summary	45.78	104.1	70.6	30.7	13.4	26.11	39.90	59.04

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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	4.70	2.3	1.4	0.6	0.1	0.1	5.4	2.6	1.1	0.1	2.20	3.50	6.80
02	2.50	1.6	1.2	0.4	0.2	0.0	2.3	1.1	0.6	0.2	0.40	2.00	2.50
03	0.90	0.6	0.5	0.2	0.1	0.0	0.6	0.2	0.0	0.0	0.00	0.00	1.00
04	0.20	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
05	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
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	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.50	0.3	0.2	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.50
12	3.00	1.0	0.8	0.4	0.1	0.0	2.1	1.6	1.3	0.3	0.00	0.20	1.60
Summary	11.9	5.9	4.1	1.7	0.5	0.1	10.6	5.5	3.0	0.6	2.6	5.7	12.4

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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	57.5	92.0	252.0	477.3	773.5	1010.8	1180.9	1149.9	886.4	547.7	232.7	79.9
45	25.4	45.8	154.5	341.7	618.7	860.9	1026.0	994.9	736.4	401.3	137.2	37.3
50	9.2	20.0	84.1	221.9	466.3	710.9	871.0	839.9	587.0	270.3	69.3	15.2
55	2.7	6.4	38.7	125.8	321.7	561.0	716.0	685.0	440.0	162.8	29.7	4.9
60	0.6	1.4	13.8	58.7	195.5	412.1	561.0	530.0	299.9	83.4	9.7	1.1
Growing Degree Units for Corn (Monthly)												
50/86	48.4	75.6	176.3	304.3	491.3	682.7	798.8	766.0	579.2	348.9	154.9	60.7

Growing Degree Units (Accumulated Monthly)												
40	58	150	402	879	1652	2663	3844	4994	5880	6428	6661	6741
45	25	71	226	567	1186	2047	3073	4068	4804	5206	5343	5380
50	9	29	113	335	802	1512	2383	3223	3810	4081	4150	4165
55	3	9	48	174	495	1056	1772	2457	2897	3060	3090	3095
60	1	2	16	74	270	682	1243	1773	2073	2156	2166	2167
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	48	124	300	605	1096	1779	2577	3343	3923	4272	4426	4487

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