

Summary of Monthly Normals
1991-2020

Current Location: Elev: 3602 ft. Lat: 45.6444° N Lon: 109.2675° W
Station: COLUMBUS, MT US USC00241938
Generated on 05/22/2024

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	36.8	10.0	23.4	4.9	4.9	4.8	0.0	0.0	0.0	0.0	0.0	0.0	979.6	1041.6	1134.6	1289.6	0.0	0.0	5.8	8.4	29.9	6.0
02	40.3	13.0	26.7	7.2	6.2	6.5	0.0	0.0	0.0	0.0	0.0	0.0	793.7	849.8	933.7	1073.8	0.0	0.0	8.7	5.9	26.5	4.2
03	50.5	20.6	35.6	5.8	4.1	4.8	0.3	0.1	0.0	0.0	0.0	0.0	603.3	665.1	758.0	913.0	0.0	0.0	19.2	2.2	26.3	1.2
04	58.0	28.2	43.1	3.5	2.7	2.8	4.6	2.4	0.5	0.0	0.0	0.0	361.6	419.3	507.5	657.0	0.0	0.0	24.6	0.6	18.4	0.1
05	66.8	37.2	52.0	4.1	2.0	2.5	55.0	35.1	15.6	2.1	0.1	0.0	148.0	190.1	263.7	405.2	0.0	0.2	29.6	0.0	5.7	0.0
06	75.9	44.9	60.4	3.1	1.7	2.2	182.9	136.3	78.7	23.6	3.5	1.2	21.0	34.4	66.7	161.6	0.0	2.6	29.8	0.0	0.1	0.0
07	85.4	50.0	67.7	3.9	2.3	2.9	394.3	333.6	245.9	117.5	33.8	16.4	0.7	2.0	7.4	33.9	1.0	12.1	31.0	0.0	0.0	0.0
08	84.1	47.7	65.9	3.3	1.8	2.2	344.1	286.2	202.9	87.3	20.3	8.6	6.2	10.3	20.2	59.4	0.3	10.2	31.0	0.0	0.1	0.0
09	74.2	39.2	56.7	3.0	2.3	2.1	117.7	83.9	44.5	10.3	1.0	0.2	66.8	93.0	143.5	259.3	0.0	2.3	29.4	0.0	3.2	0.0
10	60.0	29.4	44.7	4.3	3.0	3.3	14.3	8.2	2.5	0.1	0.0	0.0	333.6	389.5	476.8	629.3	0.0	0.1	26.3	1.0	16.4	0.2
11	46.4	18.8	32.6	5.0	3.9	4.3	0.4	0.3	0.1	0.0	0.0	0.0	672.4	732.3	822.1	972.0	0.0	0.0	13.9	3.7	26.4	1.9
12	36.6	10.7	23.7	5.5	4.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0	971.7	1033.7	1126.7	1281.7	0.0	0.0	5.5	8.8	30.0	4.9
Summary	59.6	29.1	44.4	4.5	3.3	3.6	1114	886	591	241	59	26	4959	5461	6261	7736	1.3	27.5	254.8	30.6	183.0	18.5

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	0.62	5.1	2.1	0.2	0.0	0.36	0.56	0.84
02	0.67	6.0	2.0	0.2	0.0	0.19	0.57	0.91
03	0.93	7.2	3.2	0.2	0.0	0.49	0.82	1.17
04	1.97	9.6	5.6	1.0	0.2	1.19	1.94	2.53
05	2.82	11.6	6.1	1.8	0.4	1.71	2.39	3.82
06	2.25	11.0	5.4	1.2	0.3	1.47	1.95	2.76
07	1.15	8.7	3.3	0.3	0.1	0.57	1.01	1.58
08	0.93	6.9	2.9	0.3	0.1	0.40	0.80	1.28
09	1.36	6.4	3.1	0.7	0.2	0.68	0.95	1.96
10	1.49	7.4	4.0	0.8	0.2	0.95	1.26	1.93
11	0.69	5.1	2.4	0.1	0.0	0.32	0.64	0.89
12	0.65	5.9	2.3	0.2	0.0	0.29	0.56	0.81
Summary	15.53	90.9	42.4	7.0	1.5	8.62	13.45	20.48

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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	7.00	3.6	1.9	0.6	0.2	0.0	20.1	15.9	11.7	4.1	3.00	6.40	10.30
02	8.80	5.0	2.3	0.8	0.4	0.0	12.0	8.5	5.6	2.9	0.80	5.10	12.10
03	7.70	3.7	2.0	0.6	0.4	0.1	6.9	4.6	3.4	1.6	2.60	7.50	10.80
04	4.50	2.2	1.3	0.6	0.1	0.0	1.4	0.6	0.3	0.0	0.30	1.90	6.10
05	0.50	0.3	0.1	0.1	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	0.20	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
10	3.80	1.6	1.0	0.4	0.2	0.0	1.8	1.2	0.4	0.0	0.00	0.70	4.40
11	5.90	2.6	1.6	0.7	0.2	0.0	5.9	3.9	2.0	0.1	0.70	4.30	9.20
12	9.20	5.0	2.6	0.8	0.3	0.0	15.7	12.3	7.1	1.3	3.60	6.20	13.70
Summary	47.6	24.1	12.8	4.6	1.8	0.1	64.0	47.0	30.5	10.0	11.0	32.1	66.6

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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	4.4	12.7	59.6	149.4	378.4	612.1	858.3	802.6	503.6	204.4	41.5	5.4
45	0.3	3.6	17.6	65.7	240.9	462.9	703.4	647.9	359.8	107.0	13.0	1.0
50	0.0	0.5	3.0	21.2	129.5	316.9	548.3	493.8	226.6	44.6	2.9	0.1
55	0.0	0.0	0.3	4.6	55.0	182.9	394.3	344.1	117.7	14.3	0.4	0.0
60	0.0	0.0	0.0	0.5	15.6	78.7	245.9	202.9	44.5	2.5	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	8.7	21.7	83.2	146.5	265.9	389.7	540.1	518.6	362.7	182.4	53.2	8.8

Growing Degree Units (Accumulated Monthly)												
40	4	17	77	226	604	1217	2075	2877	3381	3585	3627	3632
45	0	4	22	87	328	791	1494	2142	2502	2609	2622	2623
50	0	0	4	25	154	471	1019	1513	1740	1784	1787	1787
55	0	0	0	5	60	243	637	981	1099	1113	1114	1114
60	0	0	0	0	16	95	341	544	588	591	591	591
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	9	30	114	260	526	916	1456	1974	2337	2520	2573	2582

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