

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 3312 ft. Lat: 45.2089° N Lon: 104.2647° W

Station: ALBION 1 N, MT US USC00240088

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	28.7	3.3	16.0	6.0	5.9	5.6	0.0	0.0	0.0	0.0	0.0	0.0	1209.0	1271.0	1364.0	1519.0	0.0	0.0	2.3	14.7	30.8	9.6
02	31.7	5.6	18.6	8.8	8.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	1017.5	1073.5	1157.6	1297.6	0.0	0.0	4.0	11.9	27.8	7.1
03	42.8	14.4	28.6	7.4	4.4	5.7	0.0	0.0	0.0	0.0	0.0	0.0	818.5	880.5	973.5	1128.5	0.0	0.0	12.1	6.4	28.6	2.6
04	53.3	24.2	38.8	4.2	2.9	3.2	3.1	1.4	0.3	0.0	0.0	0.0	490.5	548.8	637.8	787.5	0.0	0.0	19.8	1.5	19.9	0.2
05	64.1	35.2	49.6	4.9	2.1	3.1	44.8	29.0	13.4	2.5	0.2	0.0	210.7	257.0	334.3	478.4	0.0	0.5	28.1	0.0	7.1	0.0
06	74.9	44.8	59.9	4.1	2.1	2.8	182.9	140.9	88.5	31.6	8.0	4.0	37.5	55.5	93.1	186.2	0.4	2.5	29.8	0.0	0.3	0.0
07	84.4	50.4	67.4	4.8	2.6	3.4	387.6	329.4	247.9	131.4	52.7	33.1	3.4	7.3	18.7	57.2	2.0	12.4	31.0	0.0	0.0	0.0
08	83.0	47.7	65.4	3.5	2.9	2.9	333.6	279.0	203.0	98.5	32.9	18.6	13.0	20.4	37.3	87.8	1.0	10.1	31.0	0.0	0.2	0.0
09	72.9	37.0	54.9	3.3	3.0	2.8	115.5	87.1	53.4	18.8	4.5	2.0	117.2	148.9	205.1	320.5	0.3	3.3	28.8	0.0	4.2	0.0
10	55.7	24.4	40.0	5.4	3.0	3.7	7.3	4.2	1.5	0.2	0.0	0.0	470.6	529.4	619.8	773.5	0.0	0.0	22.4	1.2	20.2	0.2
11	42.1	13.0	27.5	6.2	3.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0	823.5	883.5	973.5	1123.5	0.0	0.0	10.8	7.2	28.1	2.1
12	30.9	3.8	17.4	7.3	4.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0	1166.7	1228.6	1321.8	1476.8	0.0	0.0	3.1	12.9	30.9	7.8
Summary	55.4	25.3	40.3	5.5	3.8	4.3	1075	871	608	283	98	58	6378	6904	7737	9236	3.7	28.8	223.2	55.8	198.1	29.6

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	0.27	2.4	0.7	0.0	0.0	0.09	0.24	0.43	
02	0.48	2.8	1.1	0.2	0.0	0.15	0.31	0.53	
03	1.03	4.2	2.1	0.4	0.1	0.51	0.82	1.44	
04	1.62	5.9	3.9	1.2	0.2	0.93	1.56	2.19	
05	3.14	9.9	7.5	2.3	0.3	1.19	2.68	4.64	
06	3.03	9.0	6.4	2.2	0.6	1.89	2.79	3.67	
07	1.90	6.7	4.9	1.3	0.4	0.81	1.74	2.76	
08	1.95	5.0	4.0	1.6	0.4	1.24	1.88	2.55	
09	1.09	4.4	3.2	0.5	0.2	0.47	0.90	1.41	
10	1.32	4.3	2.9	0.7	0.3	0.51	0.86	1.54	
11	0.31	2.4	0.9	0.2	0.0	0.00	0.11	0.33	
12	0.42	2.3	1.0	0.1	0.0	0.08	0.30	0.57	
Summary	16.56	59.3	38.6	10.7	2.5	7.87	14.19	22.06	

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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	2.60	2.2	1.9	0.3	0.0	0.0	16.3	10.0	6.9	1.5	0.90	1.50	4.00
02	7.30	2.4	2.0	0.9	0.5	0.0	13.1	8.0	5.6	0.5	3.50	5.00	7.00
03	5.70	2.4	2.3	0.6	0.3	0.0	8.5	4.9	3.4	1.4	3.50	6.00	8.50
04	3.00	0.9	0.9	0.4	0.2	0.0	1.6	0.9	0.5	0.1	0.00	0.50	6.00
05	1.40	0.2	0.2	0.2	0.1	0.0	0.2	0.2	0.2	0.1	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	1.60	0.7	0.6	0.1	0.1	0.0	1.3	0.7	0.2	0.2	0.00	0.00	1.10
11	3.30	1.5	1.3	0.5	0.3	0.0	7.6	3.7	0.5	0.0	0.40	1.50	5.40
12	3.70	2.0	1.9	0.6	0.2	0.0	14.2	7.2	4.2	0.8	0.00	3.00	5.50
Summary	28.6	12.4	11.1	3.6	1.7	0.0	62.8	35.6	21.5	4.6	8.3	17.5	37.5

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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	0.7	2.8	24.1	96.8	320.8	595.8	849.2	785.9	457.4	127.5	20.5	0.4
45	0.0	0.5	6.8	42.9	200.3	447.5	694.3	631.9	323.5	62.5	6.0	0.0
50	0.0	0.0	0.9	14.1	106.9	305.9	539.5	479.5	206.9	24.7	1.0	0.0
55	0.0	0.0	0.0	3.1	44.8	182.9	387.6	333.6	115.5	7.3	0.0	0.0
60	0.0	0.0	0.0	0.3	13.4	88.5	247.9	203.0	53.4	1.5	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	3.1	9.0	45.7	107.3	229.9	376.6	536.6	508.7	339.5	137.6	42.8	3.9

Growing Degree Units (Accumulated Monthly)												
40	1	4	28	124	445	1041	1890	2676	3134	3261	3282	3282
45	0	0	7	50	250	698	1392	2024	2348	2410	2416	2416
50	0	0	1	15	122	428	967	1447	1654	1678	1679	1679
55	0	0	0	3	48	231	618	952	1068	1075	1075	1075
60	0	0	0	0	14	102	350	553	606	608	608	608
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	3	12	58	165	395	772	1308	1817	2156	2294	2337	2341

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