

Summary of Monthly Normals
1991-2020

Current Location: Elev: 5749 ft. Lat: 45.0961° N Lon: 112.0856° W
Station: **ALDER 19S, MT US USC00240111**
Generated on 04/28/2024

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	33.1	11.4	22.2	4.2	4.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0	1015.3	1077.3	1170.3	1325.3	0.0	0.0	0.8	11.4	30.8	4.3
02	35.8	13.9	24.9	4.5	5.5	4.9	0.0	0.0	0.0	0.0	0.0	0.0	844.0	900.1	984.2	1124.1	0.0	0.0	1.7	11.1	26.9	4.4
03	44.7	20.6	32.6	4.5	3.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	693.0	755.0	848.0	1003.0	0.0	0.0	9.7	2.3	28.0	1.3
04	52.8	25.5	39.1	3.0	2.1	2.3	0.5	0.2	0.0	0.0	0.0	0.0	476.0	535.7	625.5	775.5	0.0	0.0	18.9	0.5	24.7	0.0
05	62.5	33.1	47.8	3.1	1.4	2.0	14.2	6.5	1.6	0.0	0.0	0.0	237.5	291.7	379.8	533.3	0.0	0.0	28.0	0.0	14.0	0.0
06	70.2	38.9	54.5	3.5	1.5	2.2	69.4	42.6	17.4	2.2	0.0	0.0	82.7	115.9	180.9	315.6	0.0	0.2	29.6	0.0	4.2	0.0
07	80.5	44.2	62.4	3.1	2.4	2.6	236.4	181.0	107.1	23.8	1.4	0.1	9.0	15.5	34.3	106.1	0.0	0.2	31.0	0.0	0.6	0.0
08	78.8	43.6	61.2	3.2	1.6	1.9	207.1	154.4	83.1	15.9	0.7	0.0	15.1	24.2	45.9	133.8	0.0	0.8	31.0	0.0	0.9	0.0
09	69.5	36.7	53.1	2.9	1.7	1.8	58.1	34.7	13.8	1.6	0.1	0.0	115.2	151.7	220.8	358.7	0.0	0.2	28.5	0.0	7.5	0.0
10	55.9	27.2	41.5	3.7	3.1	3.1	5.9	3.1	1.0	0.2	0.0	0.0	422.8	482.0	572.9	727.1	0.0	0.0	22.5	0.8	22.5	0.2
11	41.2	18.5	29.9	5.1	3.9	4.2	0.0	0.0	0.0	0.0	0.0	0.0	754.6	814.6	904.6	1054.6	0.0	0.0	7.5	5.0	27.9	1.9
12	31.2	10.5	20.8	3.2	4.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	1058.3	1120.4	1213.5	1368.4	0.0	0.0	1.2	16.4	30.6	6.9
Summary	54.7	27.0	40.8	3.7	2.9	3.0	592	423	224	44	2	0	5724	6284	7181	8826	0.0	1.4	210.4	47.5	218.6	19.0

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	0.45							
02	0.38							
03	0.82							
04	1.54							
05	2.18							
06	2.46							
07	1.27							
08	1.21							
09	1.27							
10	0.98							
11	0.68							
12	0.58							
Summary	13.82	0.0	0.0	0.0	0.0	0.00	0.00	0.00

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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	1.0	4.5	22.0	72.6	256.0	437.6	692.2	656.9	400.4	133.2	26.3	2.0
45	0.1	0.6	4.1	22.5	137.5	292.6	537.4	502.1	264.2	62.2	6.5	0.1
50	0.0	0.0	0.1	5.0	56.8	164.0	383.8	350.0	146.4	24.3	0.4	0.0
55	0.0	0.0	0.0	0.5	14.2	69.4	236.4	207.1	58.1	5.9	0.0	0.0
60	0.0	0.0	0.0	0.0	1.6	17.4	107.1	83.1	13.8	1.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.0	3.6	24.7	79.0	199.8	303.9	472.5	445.8	298.0	126.0	25.5	0.8

Growing Degree Units (Accumulated Monthly)												
40	1	6	28	100	356	794	1486	2143	2543	2676	2703	2705
45	0	1	5	27	165	457	995	1497	1761	1823	1830	1830
50	0	0	0	5	62	226	610	960	1106	1130	1131	1131
55	0	0	0	0	15	84	320	528	586	592	592	592
60	0	0	0	0	2	19	126	209	223	224	224	224
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	5	29	108	308	612	1084	1530	1828	1954	1980	1981

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.