

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 5129 ft. Lat: 45.2089° N Lon: 112.6389° W
Station: DILLON U OF MONTANA WESTERN, MT US USC00242409

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	33.3	14.5	23.9	4.0	4.9	4.3	0.0	0.0	0.0	0.0	0.0	0.0	964.2	1026.2	1119.1	1274.1	0.0	0.0	1.4	9.9	30.2	4.1
02	36.7	15.8	26.3	5.3	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	804.9	860.9	944.9	1084.9	0.0	0.0	3.7	6.3	26.5	2.7
03	45.9	22.5	34.2	4.9	3.7	4.1	0.1	0.0	0.0	0.0	0.0	0.0	644.9	706.9	799.8	954.8	0.0	0.0	14.4	2.0	26.9	1.0
04	54.3	28.4	41.3	3.5	2.2	2.6	1.9	0.5	0.0	0.0	0.0	0.0	411.4	469.9	559.5	709.5	0.0	0.0	22.3	0.0	20.4	0.0
05	64.4	36.1	50.3	3.7	2.0	2.5	34.3	20.0	6.7	0.5	0.0	0.0	181.7	229.4	309.0	457.8	0.0	0.1	29.4	0.0	7.8	0.0
06	72.8	42.2	57.5	3.7	1.7	2.4	121.8	86.3	44.2	8.3	0.9	0.3	46.8	71.2	119.1	233.3	0.0	1.0	29.8	0.0	0.9	0.0
07	82.9	47.6	65.2	4.4	2.3	3.1	320.1	262.0	180.0	66.1	10.3	3.3	2.5	6.5	17.4	58.4	0.1	8.0	31.0	0.0	0.0	0.0
08	80.9	45.5	63.2	3.1	1.7	2.1	263.6	207.8	131.0	37.4	3.7	0.9	9.4	15.7	31.8	93.2	0.0	4.7	31.0	0.0	0.2	0.0
09	70.8	39.3	55.1	2.9	1.9	2.0	91.0	61.4	27.8	3.5	0.2	0.0	89.6	120.0	176.3	302.1	0.0	0.5	29.2	0.0	3.7	0.0
10	56.4	30.3	43.3	4.2	3.0	3.4	10.9	5.9	1.8	0.2	0.0	0.0	372.0	429.0	518.0	671.3	0.0	0.0	24.7	0.8	17.0	0.2
11	41.3	21.0	31.1	5.0	4.3	4.5	0.1	0.0	0.0	0.0	0.0	0.0	715.6	775.5	865.5	1015.5	0.0	0.0	8.9	4.8	25.6	1.6
12	31.6	13.2	22.4	3.5	3.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	1010.4	1072.4	1165.5	1320.5	0.0	0.0	1.0	12.6	30.1	3.9
Summary	55.9	29.7	42.8	4.0	3.0	3.3	844	644	392	116	15	4	5253	5784	6626	8175	0.1	14.3	226.8	36.4	189.3	13.5

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	0.31	4.0	0.8	0.1	0.0	0.11	0.20	0.43	
02	0.35	4.7	1.2	0.0	0.0	0.13	0.28	0.58	
03	0.67	5.7	2.1	0.2	0.0	0.38	0.56	0.91	
04	1.51	8.8	4.2	0.6	0.1	1.09	1.47	1.75	
05	1.93	10.5	5.3	1.0	0.0	1.15	2.02	2.62	
06	1.92	9.8	5.0	1.1	0.2	1.22	2.05	2.63	
07	0.91	6.0	2.6	0.4	0.1	0.43	0.77	1.19	
08	0.86	6.0	2.6	0.4	0.1	0.40	0.72	1.08	
09	0.89	5.1	2.6	0.3	0.1	0.38	0.82	1.28	
10	0.95	6.7	2.5	0.4	0.1	0.56	0.81	1.06	
11	0.52	5.1	1.7	0.1	0.0	0.21	0.43	0.76	
12	0.45	5.1	1.7	0.1	0.0	0.18	0.35	0.73	
Summary	11.27	77.5	32.3	4.7	0.7	6.24	10.48	15.02	

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

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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	1.70	0.9	0.4	0.1	0.0	0.0					0.00	0.10	2.10
02	0.90	1.0	0.4	0.1	0.0	0.0					0.00	0.00	0.00
03	0.40	0.7	0.6	0.2	0.0	0.0					0.00	0.00	0.00
04	0.20	0.2	0.0	0.0	0.0	0.0					0.00	0.00	0.00
05	0.10	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					0.00	0.00	0.00
07	0.00	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					0.00	0.00	0.00
09	0.00	0.1	0.1	0.0	0.0	0.0					0.00	0.00	0.00
10	0.40	0.2	0.2	0.0	0.0	0.0					0.00	0.00	0.00
11	2.90	1.0	0.7	0.3	0.0	0.0					0.00	0.00	6.30
12	4.60	2.0	1.2	0.4	0.1	0.0					0.00	1.90	9.40
Summary	11.2	6.1	3.6	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.0	17.8

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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	0.8	5.4	35.1	112.0	326.4	525.2	782.2	719.0	455.9	177.0	30.9	2.1
45	0.0	0.7	7.7	44.4	195.7	376.5	627.4	564.3	314.8	90.6	8.1	0.2
50	0.0	0.0	0.9	13.3	96.4	236.6	472.7	411.5	190.3	37.8	1.0	0.0
55	0.0	0.0	0.1	1.9	34.3	121.8	320.1	263.6	91.0	10.9	0.1	0.0
60	0.0	0.0	0.0	0.0	6.7	44.2	180.0	131.0	27.8	1.8	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.7	5.0	35.0	97.2	229.8	342.6	504.3	476.4	316.5	134.7	22.5	0.5

Growing Degree Units (Accumulated Monthly)												
40	1	6	41	153	480	1005	1787	2506	2962	3139	3170	3172
45	0	1	8	53	248	625	1252	1817	2132	2222	2230	2230
50	0	0	1	14	111	347	820	1231	1422	1460	1460	1460
55	0	0	0	2	36	158	478	742	833	844	844	844
60	0	0	0	0	7	51	231	362	390	392	392	392
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	6	41	138	368	710	1215	1691	2008	2142	2165	2165

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