

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 4953 ft. Lat: 45.3394° N Lon: 111.7122° W

Station: ENNIS, MT US USC00242793

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	34.0	15.1	24.6	3.8	4.4	3.9	0.0	0.0	0.0	0.0	0.0	0.0	944.0	1006.0	1099.0	1254.0	0.0	0.0	1.5	10.4	28.4	3.8
02	37.1	15.3	26.2	6.0	5.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0	806.3	862.3	946.3	1086.3	0.0	0.0	4.0	7.3	25.3	3.0
03	46.4	21.7	34.0	4.9	4.5	4.5	0.1	0.0	0.0	0.0	0.0	0.0	649.6	711.6	804.5	959.5	0.0	0.0	14.2	2.3	25.2	1.0
04	54.6	27.6	41.1	3.4	2.2	2.5	2.6	1.0	0.2	0.0	0.0	0.0	419.5	477.9	567.1	717.0	0.0	0.0	21.6	0.4	20.4	0.0
05	64.1	34.7	49.4	3.9	1.6	2.5	30.9	17.4	6.2	0.5	0.0	0.0	204.6	253.0	334.8	484.1	0.0	0.1	28.3	0.0	9.0	0.0
06	72.6	40.7	56.7	3.6	1.3	2.2	109.2	76.2	38.8	7.4	0.5	0.1	59.6	86.7	139.3	257.9	0.0	0.7	29.8	0.0	1.3	0.0
07	82.8	45.5	64.2	4.2	2.2	2.9	289.7	233.0	153.8	52.2	9.3	3.6	6.2	11.5	25.3	78.6	0.0	7.1	31.0	0.0	0.1	0.0
08	82.1	43.6	62.8	3.0	1.9	2.1	254.4	199.1	124.1	36.6	4.4	1.4	11.2	17.8	35.8	103.3	0.0	4.7	31.0	0.0	0.5	0.0
09	72.2	37.1	54.6	3.2	2.4	2.1	84.4	56.3	27.3	5.2	0.2	0.0	95.0	126.9	187.9	315.7	0.0	0.6	29.2	0.0	6.6	0.0
10	57.6	29.0	43.3	4.4	3.1	3.3	11.0	6.1	2.0	0.1	0.0	0.0	373.7	430.8	519.7	672.8	0.0	0.0	24.4	0.9	17.9	0.3
11	42.7	21.6	32.1	5.4	4.4	4.8	0.5	0.1	0.0	0.0	0.0	0.0	686.0	745.6	835.5	985.5	0.0	0.0	9.4	4.7	23.1	1.4
12	33.2	14.5	23.8	3.5	3.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	965.4	1027.4	1120.5	1275.5	0.0	0.0	1.3	11.9	28.1	3.3
Summary	56.6	28.9	42.7	4.1	3.1	3.3	783	589	352	102	14	5	5221	5758	6616	8190	0.0	13.2	225.7	37.9	185.9	12.8

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	5.3	1.3	0.1	0.0	0.20	0.35	0.55	
02	0.51	5.9	2.2	0.1	0.0	0.26	0.37	0.69	
03	0.84	7.7	2.8	0.3	0.0	0.54	0.66	1.08	
04	1.47	10.7	4.9	0.7	0.0	0.86	1.46	1.93	
05	1.93	11.8	5.9	0.8	0.1	1.25	2.04	2.59	
06	2.23	11.1	5.9	1.2	0.3	1.57	1.94	2.93	
07	1.16	8.2	3.6	0.5	0.1	0.64	0.94	1.46	
08	1.02	6.6	3.5	0.4	0.0	0.46	0.86	1.39	
09	0.97	6.6	2.7	0.3	0.1	0.57	0.81	1.34	
10	1.14	7.8	3.4	0.6	0.1	0.59	0.93	1.40	
11	0.69	6.6	2.4	0.1	0.0	0.31	0.49	0.94	
12	0.54	5.9	1.8	0.1	0.0	0.31	0.50	0.70	
Summary	12.95	94.2	40.4	5.2	0.7	7.56	11.35	17.00	

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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	6.50	4.3	2.3	0.6	0.1	0.0	16.7	5.5	2.0	0.0	3.10	5.60	8.80
02	7.60	4.4	2.5	0.6	0.2	0.0	12.8	5.0	2.5	0.3	4.30	6.70	11.00
03	6.60	4.2	2.4	0.7	0.2	0.0	6.4	2.9	1.6	0.8	1.70	6.30	9.00
04	6.00	3.3	2.0	0.8	0.2	0.0	2.5	0.9	0.4	0.0	0.80	3.80	6.60
05	1.30	0.8	0.4	0.2	0.1	0.0	0.3	0.2	0.1	0.0	0.00	0.00	0.80
06	0.20	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	0.10	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	2.20	1.5	0.8	0.2	0.1	0.0	1.2	0.3	0.0	0.0	0.00	1.00	3.30
11	6.90	3.6	2.1	1.0	0.2	0.0	7.5	3.5	1.7	0.5	2.10	4.70	12.80
12	7.30	5.0	2.7	0.7	0.3	0.0	17.8	6.9	2.6	0.5	3.90	6.80	8.50
Summary	44.7	27.2	15.2	4.8	1.4	0.0	65.2	25.2	10.9	2.1	15.9	34.9	60.8

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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	1.9	7.7	40.2	114.3	304.9	499.9	748.2	708.2	443.5	177.6	42.5	4.0
45	0.1	1.1	10.3	47.1	180.7	353.3	593.3	553.6	303.0	92.5	15.1	0.2
50	0.0	0.1	1.5	14.8	88.1	218.1	439.0	401.3	179.6	38.3	3.9	0.0
55	0.0	0.0	0.1	2.6	30.9	109.2	289.7	254.4	84.4	11.0	0.5	0.0
60	0.0	0.0	0.0	0.2	6.2	38.8	153.8	124.1	27.3	2.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.1	6.7	40.6	104.1	226.3	338.8	498.0	489.1	335.9	152.3	31.3	1.2

Growing Degree Units (Accumulated Monthly)												
40	2	10	50	164	469	969	1717	2425	2869	3046	3089	3093
45	0	1	12	59	239	593	1186	1740	2042	2135	2150	2150
50	0	0	2	16	104	323	762	1163	1342	1381	1385	1385
55	0	0	0	3	34	143	432	687	771	782	783	783
60	0	0	0	0	6	45	199	323	350	352	352	352
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	8	48	152	379	718	1216	1705	2041	2193	2224	2225

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