

Summary of Monthly Normals
1991-2020

Generated on 05/02/2024

Current Location: Elev: 5365 ft. Lat: 46.1047° N Lon: 110.0500° W

Station: MELVILLE 4 W, MT US USC00245603

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	34.6	13.0	23.8	4.3	4.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	967.3	1029.3	1122.3	1277.3	0.0	0.0	3.3	9.3	29.1	5.4
02	34.8	12.8	23.8	6.4	6.8	6.5	0.0	0.0	0.0	0.0	0.0	0.0	873.4	929.4	1013.5	1153.5	0.0	0.0	3.9	8.8	26.5	4.5
03	42.2	19.6	30.9	5.4	4.5	4.8	0.0	0.0	0.0	0.0	0.0	0.0	747.2	809.2	902.2	1057.2	0.0	0.0	10.8	4.4	27.2	2.0
04	49.3	26.0	37.7	3.5	2.6	2.8	0.8	0.2	0.0	0.0	0.0	0.0	521.2	580.6	670.5	820.5	0.0	0.0	17.3	1.3	22.3	0.3
05	58.1	34.3	46.2	3.8	2.0	2.7	13.1	6.7	1.8	0.1	0.0	0.0	285.9	341.6	429.7	582.9	0.0	0.0	26.5	0.1	10.5	0.0
06	66.3	41.6	54.0	3.0	1.5	2.1	61.1	37.7	16.0	2.0	0.1	0.0	92.5	129.2	197.5	333.5	0.0	0.0	29.4	0.0	1.6	0.0
07	75.7	47.2	61.5	4.4	2.4	3.3	215.5	164.4	98.8	27.3	3.3	0.9	15.7	26.6	53.9	137.4	0.0	1.1	31.0	0.0	0.1	0.0
08	75.2	45.4	60.3	3.5	2.2	2.7	189.8	141.0	80.7	18.6	1.7	0.3	25.6	38.8	71.4	164.3	0.0	0.3	30.8	0.0	0.5	0.0
09	66.0	38.5	52.3	3.4	2.3	2.6	61.1	40.1	18.2	2.8	0.1	0.0	143.7	182.7	250.7	385.3	0.0	0.1	28.5	0.1	4.8	0.0
10	52.9	28.5	40.7	4.2	3.3	3.6	7.1	3.7	1.0	0.0	0.0	0.0	450.3	509.0	599.3	753.3	0.0	0.0	21.0	1.5	18.2	0.6
11	41.2	19.1	30.1	4.8	4.3	4.4	0.1	0.0	0.0	0.0	0.0	0.0	745.6	805.5	895.5	1045.5	0.0	0.0	9.2	5.6	25.3	2.4
12	33.9	12.6	23.3	4.5	4.9	4.6	0.0	0.0	0.0	0.0	0.0	0.0	984.1	1046.1	1139.1	1294.1	0.0	0.0	3.0	11.0	29.4	4.5
Summary	52.5	28.2	40.4	4.3	3.4	3.7	549	394	216	51	5	1	5852	6428	7346	9005	0.0	1.5	214.7	42.1	195.5	19.7

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	0.53	4.8	1.9	0.0	0.0	0.25	0.46	0.68
02	0.65	6.1	2.2	0.2	0.0	0.25	0.39	0.91
03	1.08	7.2	3.1	0.4	0.1	0.67	0.92	1.57
04	2.47	10.5	6.3	1.5	0.4	1.68	2.52	3.00
05	3.59	13.3	7.7	2.3	0.6	2.51	3.20	4.77
06	3.54	13.2	7.7	2.0	0.6	2.67	3.49	4.04
07	1.92	10.6	5.2	0.9	0.2	1.16	1.39	2.33
08	1.38	8.8	4.2	0.6	0.1	0.68	1.20	1.93
09	1.66	7.7	4.0	1.1	0.2	0.86	1.40	1.92
10	1.52	7.5	4.0	0.8	0.1	1.03	1.43	1.86
11	0.84	5.6	2.4	0.4	0.1	0.41	0.73	1.32
12	0.60	5.1	2.0	0.3	0.0	0.20	0.45	0.96
Summary	19.78	100.4	50.7	10.5	2.4	12.37	17.58	25.29

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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	5.0	6.9	25.7	67.2	222.5	419.6	664.6	629.5	378.2	139.8	34.1	4.3
45	0.9	1.6	5.9	24.0	116.5	276.6	509.9	476.3	246.5	68.1	11.0	0.4
50	0.1	0.1	0.9	6.5	47.8	151.5	357.5	327.2	137.0	25.6	2.2	0.0
55	0.0	0.0	0.0	0.8	13.1	61.1	215.5	189.8	61.1	7.1	0.1	0.0
60	0.0	0.0	0.0	0.0	1.8	16.0	98.8	80.7	18.2	1.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	3.3	5.3	23.8	57.7	147.5	249.3	412.3	401.2	249.9	102.8	25.1	3.0

Growing Degree Units (Accumulated Monthly)												
40	5	12	38	105	327	747	1412	2041	2419	2559	2593	2597
45	1	2	8	32	149	426	935	1412	1658	1726	1737	1738
50	0	0	1	8	55	207	564	892	1029	1054	1056	1056
55	0	0	0	1	14	75	290	480	541	548	549	549
60	0	0	0	0	2	18	117	197	216	216	216	216
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	3	9	32	90	238	487	899	1300	1550	1653	1678	1681

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