

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 2048 ft. Lat: 48.7747° N Lon: 104.5672° W

Station: **PLENTYWOOD, MT US USC00246586**

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	20.6	-1.8	9.4	7.2	6.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	1413.4	1475.5	1568.4	1723.5	0.0	0.0	0.4	21.7	30.9	15.6
02	25.8	2.7	14.3	8.3	9.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	1140.8	1196.9	1280.8	1420.9	0.0	0.0	1.9	16.2	28.0	11.2
03	38.9	14.7	26.8	7.8	5.9	6.7	0.1	0.0	0.0	0.0	0.0	0.0	874.4	936.3	1029.3	1184.3	0.0	0.0	10.1	8.7	29.6	4.1
04	54.3	26.5	40.4	4.3	3.4	3.7	6.6	3.7	1.6	0.2	0.0	0.0	444.7	501.8	589.6	738.2	0.0	0.0	21.2	1.4	20.9	0.3
05	66.5	37.5	52.0	3.6	2.8	2.8	70.5	49.8	27.2	6.2	0.8	0.3	163.5	204.8	275.2	409.2	0.0	0.7	29.6	0.0	7.7	0.0
06	74.8	47.8	61.3	2.9	2.4	2.4	208.1	161.5	102.1	37.9	10.0	5.1	19.2	32.6	63.2	149.0	0.0	2.1	29.9	0.0	0.4	0.0
07	82.0	52.4	67.2	4.5	2.6	3.4	379.3	319.4	233.8	115.7	42.6	25.1	1.2	3.3	10.7	47.6	0.6	7.2	31.0	0.0	0.0	0.0
08	82.3	50.6	66.4	3.5	2.4	2.5	361.4	304.4	224.7	114.7	44.3	27.2	6.7	11.6	25.0	69.9	0.5	8.9	31.0	0.0	0.0	0.0
09	71.5	39.9	55.7	4.0	2.4	2.8	116.0	87.1	54.0	20.5	5.8	3.1	95.1	126.1	183.1	299.5	0.1	2.0	29.1	0.0	5.4	0.0
10	54.7	27.3	41.0	4.9	3.0	3.7	10.3	6.0	2.5	0.5	0.0	0.0	444.3	502.0	591.5	744.5	0.0	0.1	22.2	1.8	21.0	0.2
11	36.9	14.4	25.6	7.4	5.4	6.1	0.0	0.0	0.0	0.0	0.0	0.0	880.5	940.5	1030.5	1180.5	0.0	0.0	7.0	10.2	28.7	3.9
12	23.7	2.7	13.2	7.3	6.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0	1295.5	1357.6	1450.5	1605.6	0.0	0.0	0.6	19.3	31.0	11.4
Summary	52.7	26.2	39.4	5.5	4.3	4.6	1152	932	646	296	104	61	6779	7289	8098	9573	1.2	21.0	214.0	79.3	203.6	46.7

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	0.39	4.4	1.2	0.0	0.0	0.21	0.36	0.50	
02	0.35	3.6	0.9	0.1	0.0	0.07	0.21	0.55	
03	0.60	4.0	1.6	0.2	0.0	0.20	0.51	0.87	
04	1.02	5.3	2.8	0.5	0.1	0.47	0.96	1.43	
05	2.04	8.0	4.8	1.2	0.3	1.05	1.75	2.66	
06	3.07	11.0	7.0	1.9	0.4	1.98	2.80	3.99	
07	2.54	8.6	5.2	1.5	0.4	1.26	2.04	3.49	
08	1.46	6.0	3.6	0.9	0.2	0.75	1.16	2.02	
09	1.26	5.8	2.7	0.7	0.1	0.32	0.73	1.58	
10	0.88	4.9	2.5	0.6	0.1	0.38	0.72	1.23	
11	0.61	4.5	2.0	0.2	0.1	0.19	0.37	0.89	
12	0.47	4.2	1.5	0.1	0.1	0.20	0.42	0.73	
Summary	14.69	70.3	35.8	7.9	1.8	7.08	12.03	19.94	

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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	0.4	1.4	21.2	122.3	384.3	638.9	843.0	819.6	476.3	144.9	15.1	0.1
45	0.0	0.2	6.5	56.8	252.6	489.7	688.1	664.9	337.6	72.5	4.1	0.0
50	0.0	0.0	1.5	21.7	145.6	343.5	533.1	511.4	213.8	31.5	0.6	0.0
55	0.0	0.0	0.1	6.6	70.5	208.1	379.3	361.4	116.0	10.3	0.0	0.0
60	0.0	0.0	0.0	1.6	27.2	102.1	233.8	224.7	54.0	2.5	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.4	2.5	30.4	115.6	264.7	393.3	529.0	517.8	326.4	128.0	21.9	0.3

Growing Degree Units (Accumulated Monthly)												
40	0	2	23	145	530	1168	2012	2831	3307	3452	3467	3468
45	0	0	7	64	316	806	1494	2159	2496	2569	2573	2573
50	0	0	2	23	169	512	1045	1557	1771	1802	1803	1803
55	0	0	0	7	77	285	665	1026	1142	1152	1152	1152
60	0	0	0	2	29	131	365	589	643	646	646	646
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	3	33	149	414	807	1336	1854	2180	2308	2330	2330

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

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