

Summary of Monthly Normals
1991-2020

Current Location: Elev: 7483 ft. Lat: 45.0108° N Lon: 109.9819° W
Station: **COOKE CITY 2 W, MT US USC00241995**
Generated on 06/03/2024

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	24.2	5.8	15.0	2.4	4.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	1240.0	1302.0	1395.0	1550.0	0.0	0.0	0.0	26.2	31.0	11.0
02	28.6	7.4	18.0	3.4	4.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1035.9	1091.9	1175.9	1315.9	0.0	0.0	0.1	17.4	28.0	9.0
03	36.9	13.7	25.3	3.7	3.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	920.7	982.7	1075.7	1230.7	0.0	0.0	2.7	8.6	30.5	5.6
04	43.4	21.0	32.2	3.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	684.0	744.0	834.0	984.0	0.0	0.0	8.4	2.7	29.4	1.1
05	53.5	28.4	40.9	4.0	1.4	2.4	0.2	0.1	0.0	0.0	0.0	0.0	435.8	497.7	590.6	745.6	0.0	0.0	19.8	0.1	25.4	0.0
06	63.9	34.5	49.2	4.6	1.1	2.6	15.4	6.7	1.3	0.0	0.0	0.0	189.4	240.7	325.3	474.0	0.0	0.0	27.0	0.0	11.4	0.0
07	73.7	38.9	56.3	4.2	2.0	2.9	82.5	48.1	17.2	1.1	0.0	0.0	42.3	69.9	132.0	270.9	0.0	0.1	30.9	0.0	2.1	0.0
08	71.1	37.7	54.4	2.9	1.7	1.9	50.2	25.0	6.8	0.2	0.0	0.0	68.9	105.6	180.5	328.8	0.0	0.0	30.8	0.0	5.7	0.0
09	62.0	31.2	46.6	3.4	1.7	2.1	4.6	1.7	0.3	0.0	0.0	0.0	256.7	313.8	402.3	552.0	0.0	0.0	27.0	0.1	19.7	0.0
10	47.0	24.1	35.5	3.6	3.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	603.0	665.0	758.0	913.0	0.0	0.0	14.0	2.4	28.3	0.6
11	30.9	13.3	22.1	3.7	4.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0	987.0	1047.0	1137.0	1287.0	0.0	0.0	1.0	15.8	29.6	5.3
12	22.4	6.3	14.3	2.4	4.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	1260.1	1322.1	1415.1	1570.1	0.0	0.0	0.0	27.4	30.8	11.7
Summary	46.5	21.9	34.2	3.4	2.9	2.8	153	82	26	1	0	0	7724	8382	9421	11222	0.0	0.1	161.7	100.7	271.9	44.3

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	2.23	17.3	7.1	0.4	0.0	1.46	2.12	2.70	
02	2.04	13.3	6.1	0.2	0.0	1.07	1.99	2.81	
03	1.94	13.1	6.5	0.5	0.0	0.94	1.73	2.67	
04	2.29	13.1	6.9	0.7	0.1	1.83	2.29	2.76	
05	2.85	14.1	8.8	1.3	0.1	2.21	2.80	3.43	
06	3.16	14.5	9.6	1.7	0.3	2.17	3.10	3.95	
07	1.97	11.1	6.7	1.1	0.0	1.26	1.75	2.38	
08	1.82	10.4	5.6	0.9	0.0	0.97	1.75	2.47	
09	1.74	9.5	5.1	0.6	0.1	0.99	1.49	2.31	
10	2.23	11.6	6.2	0.8	0.2	1.47	2.09	2.71	
11	2.17	13.4	6.3	0.7	0.1	1.25	1.82	2.84	
12	2.13	17.2	7.6	0.5	0.0	1.50	1.96	2.61	
Summary	26.57	158.6	82.5	9.4	0.9	17.12	24.89	33.64	

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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	38.80	17.0	12.0	4.7	2.0	0.3	31.0	31.0	31.0	31.0	25.80	39.30	53.90
02	29.70	12.6	9.0	3.2	1.3	0.1	28.5	28.5	28.5	28.5	19.00	32.60	39.40
03	31.00	11.3	8.5	3.1	1.3	0.2	31.0	31.0	31.0	30.9	17.30	30.30	44.40
04	22.40	9.4	6.6	2.4	0.7	0.1	29.2	28.7	27.6	25.8	16.80	20.20	26.00
05	9.00	4.0	2.9	1.0	0.3	0.0	12.1	10.4	8.6	7.2	3.10	6.40	14.10
06	3.40	0.8	0.6	0.5	0.1	0.0	0.7	0.1	0.1	0.0	0.00	0.50	5.10
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	1.00	0.8	0.6	0.1	0.0	0.0	0.6	0.1	0.0	0.0	0.00	0.00	0.20
10	13.40	6.7	4.7	1.8	0.4	0.0	9.1	4.2	2.4	0.7	6.50	11.20	20.00
11	26.50	11.8	8.2	2.9	1.2	0.0	25.9	21.4	17.4	8.1	20.60	24.50	30.30
12	37.90	16.4	11.4	4.7	2.0	0.1	31.0	31.0	30.8	27.1	25.20	34.40	46.70
Summary	213.1	90.8	64.5	24.4	9.3	0.8	199.1	186.4	177.4	159.3	134.3	199.4	280.1

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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	0.0	0.0	0.7	14.1	99.5	282.7	505.3	446.9	215.4	42.5	0.8	0.0
45	0.0	0.0	0.0	2.1	33.9	156.5	351.7	295.7	102.8	10.9	0.0	0.0
50	0.0	0.0	0.0	0.1	5.7	64.9	204.6	154.6	32.0	1.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.2	15.4	82.5	50.2	4.6	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	1.3	17.2	6.8	0.3	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.1	2.9	20.0	96.8	215.0	367.6	327.9	191.8	52.1	1.1	0.0

Growing Degree Units (Accumulated Monthly)												
40	0	0	1	15	114	397	902	1349	1565	1607	1608	1608
45	0	0	0	2	36	192	544	840	943	954	954	954
50	0	0	0	0	6	71	275	430	462	463	463	463
55	0	0	0	0	0	16	98	148	153	153	153	153
60	0	0	0	0	0	1	18	25	26	26	26	26
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	3	23	120	335	702	1030	1222	1274	1275	1275

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

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