

Summary of Monthly Normals
1991-2020

Current Location: Elev: 4068 ft. Lat: 45.9717° N Lon: 109.2536° W
Station: RAPELJE, MT US USC00246862
Generated on 05/01/2024

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	35.6	14.5	25.0	5.2	5.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0	928.5	990.5	1083.5	1238.5	0.0	0.0	6.2	8.3	28.3	5.7
02	37.6	15.4	26.5	7.6	7.5	7.4	0.0	0.0	0.0	0.0	0.0	0.0	797.8	853.9	937.9	1077.9	0.0	0.0	7.8	7.3	25.7	4.6
03	46.8	22.4	34.6	6.1	4.6	5.3	0.7	0.3	0.0	0.0	0.0	0.0	633.2	694.8	787.5	942.5	0.0	0.0	16.7	3.4	25.8	1.7
04	54.8	29.5	42.1	3.6	3.1	3.1	6.0	3.2	0.7	0.0	0.0	0.0	391.4	448.6	536.2	685.5	0.0	0.0	22.7	0.8	18.8	0.1
05	64.0	38.1	51.1	4.0	1.9	2.5	48.9	31.2	13.1	2.1	0.2	0.0	171.4	215.7	290.6	434.6	0.0	0.2	29.1	0.0	6.4	0.0
06	73.3	46.2	59.7	3.5	1.8	2.4	172.9	129.7	77.5	26.2	5.2	2.1	30.4	47.2	85.0	183.7	0.0	2.4	29.8	0.0	0.4	0.0
07	84.2	52.7	68.4	4.9	3.2	3.9	418.7	359.3	273.4	147.0	57.4	34.6	2.0	4.5	11.7	40.2	1.1	13.0	31.0	0.0	0.0	0.0
08	83.6	51.0	67.3	3.5	2.5	2.7	388.5	330.3	246.9	125.9	42.0	22.0	7.3	11.1	20.7	54.7	0.4	12.7	31.0	0.0	0.2	0.0
09	72.9	42.8	57.8	3.3	2.4	2.5	153.3	117.4	72.9	24.6	4.5	1.5	67.9	91.9	137.5	239.2	0.0	3.2	29.2	0.0	2.3	0.0
10	57.5	32.1	44.8	4.3	3.3	3.6	22.5	14.8	7.2	1.2	0.1	0.0	338.7	392.9	478.3	627.3	0.0	0.1	25.5	1.2	14.5	0.2
11	44.2	22.3	33.3	5.0	3.8	4.3	0.9	0.5	0.2	0.0	0.0	0.0	653.4	713.0	802.7	952.5	0.0	0.0	13.0	4.2	24.3	1.7
12	35.8	15.5	25.6	5.6	5.3	5.4	0.0	0.0	0.0	0.0	0.0	0.0	909.6	971.7	1064.7	1219.7	0.0	0.0	5.4	8.5	28.4	4.3
Summary	57.5	31.9	44.7	4.7	3.7	4.0	1212	987	692	327	109	60	4932	5436	6236	7696	1.5	31.6	247.4	33.7	175.1	18.3

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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

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1991-2020
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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	0.46	4.2	1.8	0.1	0.0	0.21	0.41	0.63	
02	0.57	4.5	2.1	0.1	0.0	0.18	0.43	0.63	
03	0.76	5.5	2.5	0.3	0.0	0.44	0.74	1.16	
04	1.78	8.2	5.4	0.9	0.1	0.97	1.59	2.31	
05	2.73	10.3	6.4	1.6	0.6	1.62	2.29	3.62	
06	2.42	9.3	5.8	1.5	0.5	1.67	2.18	3.09	
07	1.64	7.0	3.8	0.8	0.2	0.59	1.39	1.82	
08	1.06	5.8	2.6	0.4	0.1	0.51	0.76	1.49	
09	1.40	5.7	3.4	0.9	0.2	0.56	0.94	1.93	
10	1.35	6.0	3.3	0.9	0.1	0.75	1.11	1.78	
11	0.57	4.4	2.0	0.1	0.0	0.26	0.52	0.85	
12	0.49	4.5	1.7	0.1	0.0	0.18	0.34	0.64	
Summary	15.23	75.4	40.8	7.7	1.8	7.94	12.70	19.95	

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151 Patton Avenue
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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	7.80	4.1	3.4	1.3	0.5	0.0	9.9	6.2	2.7	0.2	3.40	7.90	9.90
02	9.80	4.0	3.4	1.3	0.4	0.1	7.6	5.1	2.8	0.6	3.00	5.00	11.20
03	8.80	3.6	3.0	1.3	0.6	0.1	3.5	1.8	1.2	0.2	3.70	7.50	12.00
04	6.60	2.3	2.2	0.9	0.6	0.1	1.9	1.2	0.9	0.1	2.60	5.00	8.80
05	1.10	0.4	0.3	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.00	0.00	0.80
06	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
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	0.20	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
10	5.60	1.7	1.5	0.7	0.3	0.1	2.0	1.2	0.4	0.3	0.00	3.70	5.30
11	6.40	3.0	2.4	1.2	0.2	0.0	5.8	2.9	1.2	0.1	2.40	4.40	10.20
12	8.00	3.8	3.2	1.0	0.3	0.0	8.0	4.3	2.3	0.2	3.20	5.40	11.70
Summary	54.3	23.0	19.5	7.8	3.0	0.4	38.9	22.9	11.6	1.7	18.3	38.9	69.9

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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	12.6	18.2	61.7	136.8	352.6	592.7	881.2	845.8	539.2	219.4	54.9	10.5
45	2.8	5.8	21.5	62.6	219.9	444.1	726.6	691.5	396.7	123.6	21.7	1.8
50	0.4	1.4	5.0	22.4	116.8	300.7	571.7	538.1	264.0	58.5	6.0	0.1
55	0.0	0.0	0.7	6.0	48.9	172.9	418.7	388.5	153.3	22.5	0.9	0.0
60	0.0	0.0	0.0	0.7	13.1	77.5	273.4	246.9	72.9	7.2	0.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	7.0	15.6	59.4	111.2	227.7	359.4	552.5	536.7	351.1	156.0	42.5	7.0

Growing Degree Units (Accumulated Monthly)												
40	13	31	92	229	582	1175	2056	2902	3441	3660	3715	3726
45	3	9	30	93	313	757	1483	2175	2572	2695	2717	2719
50	0	2	7	29	146	447	1018	1556	1820	1879	1885	1885
55	0	0	1	7	56	228	647	1036	1189	1212	1212	1212
60	0	0	0	1	14	91	365	612	684	692	692	692
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	7	23	82	193	421	780	1333	1870	2221	2377	2419	2426

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

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