

Summary of Monthly Normals
1991-2020

Current Location: Elev: 4440 ft. Lat: 46.5333° N Lon: 109.3442° W
Station: RYEGATE 18 NNW, MT US USC00247263
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	35.8	11.8	23.8	4.7	4.7	4.5	0.0	0.0	0.0	0.0	0.0	0.0	967.2	1029.2	1122.2	1277.2	0.0	0.0	4.5	9.1	30.0	6.6
02	38.3	12.4	25.4	7.9	6.9	7.3	0.1	0.1	0.0	0.0	0.0	0.0	830.1	886.1	970.1	1110.1	0.0	0.0	7.1	8.5	27.2	5.0
03	47.1	19.8	33.5	6.3	4.1	5.1	0.5	0.1	0.0	0.0	0.0	0.0	668.6	730.3	823.1	978.1	0.0	0.0	15.7	4.2	29.2	1.9
04	55.0	27.5	41.3	3.3	3.1	3.0	6.4	3.4	1.1	0.1	0.0	0.0	418.9	475.8	563.6	712.6	0.0	0.0	21.4	1.3	22.9	0.2
05	63.6	37.1	50.3	4.0	1.8	2.6	46.6	30.4	13.7	2.1	0.1	0.0	190.8	236.6	312.8	456.2	0.0	0.1	28.1	0.0	8.8	0.0
06	71.8	45.5	58.6	3.1	2.1	2.3	151.0	112.2	66.1	20.3	3.2	1.2	41.5	62.7	106.6	210.8	0.0	0.7	29.6	0.0	0.4	0.0
07	81.9	51.7	66.8	4.8	2.8	3.7	368.7	310.4	228.3	112.8	38.2	22.1	3.2	6.8	17.7	57.1	0.3	6.2	31.0	0.0	0.0	0.0
08	81.7	50.1	65.9	3.7	2.4	2.9	348.9	292.6	213.5	103.3	32.9	17.3	11.2	16.9	30.8	75.5	0.0	6.4	31.0	0.0	0.1	0.0
09	71.7	40.7	56.2	3.5	2.3	2.6	129.2	97.1	59.2	19.5	3.4	1.0	93.2	121.2	173.3	283.5	0.0	1.7	28.5	0.0	4.3	0.0
10	58.2	29.1	43.6	4.3	3.2	3.6	19.6	12.3	5.6	1.1	0.0	0.0	371.4	426.1	512.4	663.0	0.0	0.1	24.2	1.4	20.2	0.4
11	45.1	19.3	32.2	4.9	3.9	4.3	0.6	0.2	0.0	0.0	0.0	0.0	684.6	744.2	834.0	984.0	0.0	0.0	12.7	4.7	27.2	2.3
12	35.9	12.4	24.2	5.7	5.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0	956.1	1018.1	1111.2	1266.3	0.0	0.0	4.7	9.6	30.2	5.0
Summary	57.2	29.8	43.5	4.7	3.5	3.9	1072	859	588	259	78	42	5237	5754	6578	8074	0.3	15.2	238.5	38.8	200.5	21.4

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	4.4	1.9	0.1	0.0	0.33	0.42	0.61	
02	0.38	4.8	1.7	0.0	0.0	0.09	0.24	0.52	
03	0.69	5.8	2.5	0.2	0.0	0.40	0.65	0.93	
04	1.45	7.6	4.6	0.7	0.0	1.10	1.45	1.94	
05	2.27	9.4	6.4	1.3	0.2	1.29	2.20	3.30	
06	2.99	10.6	7.7	1.7	0.4	1.95	2.43	4.13	
07	1.61	7.3	4.9	0.7	0.2	0.68	1.44	1.91	
08	1.19	5.4	3.5	0.4	0.1	0.50	0.86	1.83	
09	1.07	5.1	3.2	0.5	0.1	0.53	0.84	1.46	
10	1.03	5.4	3.2	0.5	0.1	0.44	0.82	1.52	
11	0.62	4.1	2.4	0.3	0.0	0.38	0.63	0.82	
12	0.53	4.6	2.2	0.2	0.0	0.18	0.37	0.77	
Summary	14.28	74.5	44.2	6.6	1.1	7.87	12.35	19.74	

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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	8.30	4.4	3.1	1.1	0.3	0.0	17.1	7.7	2.3	0.4	4.00	8.00	10.40
02	8.30	4.6	3.0	1.1	0.3	0.0	13.4	5.5	2.5	0.2	2.00	4.70	11.30
03	10.10	4.5	3.1	1.0	0.4	0.1	8.1	3.8	1.9	0.5	3.60	10.00	15.50
04	6.00	3.1	2.2	0.8	0.2	0.0	2.7	1.2	0.3	0.0	2.10	4.00	8.00
05	0.70	0.5	0.4	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	1.00
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	0.30	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
10	3.60	1.6	1.3	0.5	0.2	0.0	1.8	0.7	0.3	0.0	0.00	3.00	6.10
11	7.20	3.4	2.5	0.9	0.3	0.0	6.2	1.8	0.5	0.0	2.80	6.00	10.50
12	8.40	4.5	3.2	1.1	0.3	0.1	11.6	4.8	1.2	0.2	3.20	6.10	12.70
Summary	52.9	26.8	19.0	6.6	2.0	0.2	61.2	25.5	9.0	1.3	17.7	41.8	75.5

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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

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	6.4	12.7	53.5	130.2	335.1	559.7	830.4	802.6	491.7	197.4	47.4	5.8
45	1.1	3.9	18.5	60.6	208.5	411.8	675.4	648.2	353.5	109.9	17.3	0.6
50	0.0	0.7	4.4	22.2	109.6	271.6	520.7	496.1	229.4	51.5	4.3	0.0
55	0.0	0.1	0.5	6.4	46.6	151.0	368.7	348.9	129.2	19.6	0.6	0.0
60	0.0	0.0	0.0	1.1	13.7	66.1	228.3	213.5	59.2	5.6	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	7.7	18.9	64.9	117.8	220.0	338.5	522.3	508.8	329.3	163.8	49.0	7.6

Growing Degree Units (Accumulated Monthly)												
40	6	19	73	203	538	1098	1928	2731	3222	3420	3467	3473
45	1	5	24	84	293	704	1380	2028	2382	2491	2509	2509
50	0	1	5	27	137	408	929	1425	1655	1706	1711	1711
55	0	0	1	7	54	205	573	922	1051	1071	1072	1072
60	0	0	0	1	15	81	309	523	582	588	588	588
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	8	27	92	209	429	768	1290	1799	2128	2292	2341	2349

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