

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 4640 ft. Lat: 44.2667° N Lon: 105.4489° W

Station: GILLETTE 4SE, WY US USC00483855

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	36.2	15.8	26.0	4.7	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	899.1	961.1	1054.1	1209.1	0.0	0.0	2.5	10.3	29.5	5.0
02	37.6	16.8	27.2	6.7	6.2	6.3	0.0	0.0	0.0	0.0	0.0	0.0	778.2	834.1	918.2	1058.2	0.0	0.0	4.3	8.9	26.2	3.6
03	48.7	24.8	36.7	5.4	4.2	4.7	3.0	1.1	0.3	0.0	0.0	0.0	568.8	629.0	721.2	875.9	0.0	0.0	15.7	4.1	25.4	1.5
04	56.4	31.7	44.1	3.9	3.1	3.2	15.0	8.5	2.9	0.2	0.0	0.0	343.4	396.9	481.3	628.7	0.0	0.0	21.1	1.4	17.4	0.2
05	65.9	41.0	53.4	4.1	1.9	2.8	89.1	64.1	35.8	10.9	2.0	0.7	137.1	174.2	238.8	369.0	0.0	0.4	28.0	0.0	5.7	0.0
06	77.0	50.2	63.6	4.4	2.4	3.2	275.0	224.7	156.4	71.9	24.3	13.6	17.0	26.8	48.4	114.0	0.2	3.1	29.7	0.0	0.1	0.0
07	86.4	57.0	71.7	4.3	2.7	3.4	518.1	456.9	367.2	226.7	109.4	73.0	0.6	1.4	4.6	19.1	0.9	11.6	31.0	0.0	0.0	0.0
08	85.4	55.7	70.6	3.1	2.4	2.5	485.1	425.1	337.4	201.4	89.2	56.0	3.3	5.2	10.5	29.4	0.2	9.7	30.9	0.0	0.0	0.0
09	75.3	46.4	60.8	3.5	2.5	2.6	226.9	184.4	128.1	58.1	18.9	10.1	51.5	69.1	102.7	182.7	0.0	2.7	29.0	0.0	1.8	0.0
10	59.2	34.4	46.8	4.9	3.2	3.9	36.0	23.4	10.9	2.0	0.2	0.0	290.1	339.6	420.0	566.2	0.0	0.0	23.6	1.3	13.9	0.2
11	46.2	24.1	35.2	6.0	4.1	4.9	3.1	1.5	0.4	0.0	0.0	0.0	598.6	657.0	745.9	895.5	0.0	0.0	11.9	5.0	24.6	1.4
12	35.8	16.1	25.9	5.0	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	900.3	962.2	1055.3	1210.3	0.0	0.0	3.3	10.8	29.6	3.5
Summary	59.2	34.5	46.8	4.7	3.5	3.9	1651	1390	1039	571	244	153	4588	5057	5801	7158	1.3	27.5	231.0	41.8	174.2	15.4

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	0.59	7.5	1.8	0.1	0.0	0.40	0.58	0.75	
02	0.78	7.9	2.4	0.3	0.0	0.48	0.69	1.10	
03	1.13	7.9	3.3	0.3	0.0	0.64	1.03	1.64	
04	2.13	10.9	5.4	1.1	0.2	1.55	1.97	2.41	
05	3.27	12.5	7.3	2.0	0.6	1.89	2.53	4.26	
06	2.54	10.4	6.0	1.5	0.4	1.36	2.23	3.26	
07	1.68	8.4	4.4	1.1	0.1	0.81	1.85	2.36	
08	1.38	6.4	3.2	0.7	0.2	0.54	1.23	2.08	
09	1.25	6.2	3.2	0.8	0.2	0.72	1.16	1.63	
10	1.57	8.4	4.1	0.7	0.2	0.91	1.27	1.73	
11	0.63	6.2	2.1	0.1	0.0	0.43	0.65	0.81	
12	0.64	6.9	2.4	0.0	0.0	0.35	0.63	0.79	
Summary	17.59	99.6	45.6	8.7	1.9	10.08	15.82	22.82	

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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	8.20	6.5	3.3	0.7	0.2	0.0	16.2	6.9	3.1	0.1	5.20	8.10	11.30
02	9.00	6.3	3.5	0.9	0.4	0.0	13.8	6.6	2.4	0.4	6.40	8.50	12.80
03	8.60	5.1	3.3	1.1	0.3	0.1	7.9	3.6	2.1	1.0	3.60	7.00	13.50
04	9.40	3.9	2.3	1.2	0.6	0.1	3.7	2.1	1.2	0.6	4.10	8.00	14.00
05	1.30	0.6	0.5	0.2	0.1	0.0	0.2	0.1	0.0	0.0	0.00	0.00	1.10
06	0.10	0.1	0.1	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	0.50	0.3	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
10	4.40	2.4	1.6	0.5	0.1	0.0	2.2	0.7	0.2	0.0	0.10	2.00	8.00
11	5.80	3.9	2.4	0.7	0.2	0.0	7.4	2.6	0.5	0.0	2.20	6.10	8.80
12	8.40	6.1	3.5	0.8	0.2	0.0	14.2	5.4	2.0	0.4	4.30	8.00	11.60
Summary	55.7	35.2	20.7	6.1	2.1	0.2	65.8	28.0	11.5	2.5	25.9	47.7	81.1

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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	8.6	18.1	89.5	186.8	424.4	708.2	981.9	946.5	627.7	265.9	79.0	11.0
45	1.6	5.7	38.8	99.6	288.0	559.0	826.9	791.8	483.8	161.2	36.7	3.1
50	0.0	1.0	13.6	43.6	172.9	412.7	672.4	637.8	347.1	83.7	12.7	0.4
55	0.0	0.0	3.0	15.0	89.1	275.0	518.1	485.1	226.9	36.0	3.1	0.0
60	0.0	0.0	0.3	2.9	35.8	156.4	367.2	337.4	128.1	10.9	0.4	0.0
Growing Degree Units for Corn (Monthly)												
50/86	5.5	13.6	73.9	135.7	259.7	432.3	623.6	603.4	397.3	179.2	58.8	7.0

Growing Degree Units (Accumulated Monthly)												
40	9	27	116	303	727	1436	2418	3364	3992	4258	4337	4348
45	2	7	46	146	434	993	1820	2611	3095	3256	3293	3296
50	0	1	15	58	231	644	1316	1954	2301	2385	2397	2398
55	0	0	3	18	107	382	900	1385	1612	1648	1651	1651
60	0	0	0	3	39	195	563	900	1028	1039	1039	1039
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	6	19	93	229	488	921	1544	2148	2545	2724	2783	2790

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