

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 4372 ft. Lat: 44.7764° N Lon: 108.7592° W

Station: POWELL FLD STN, WY US USC00487388

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	31.5	6.1	18.8	5.1	4.8	4.9	0.0	0.0	0.0	0.0	0.0	0.0	1122.1	1184.1	1277.1	1432.2	0.0	0.0	2.2	13.9	31.0	7.5
02	35.9	10.1	23.0	7.3	6.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0	895.9	951.9	1035.8	1176.0	0.0	0.0	4.4	9.4	27.7	4.7
03	48.3	19.6	33.9	5.4	4.4	4.7	0.6	0.2	0.0	0.0	0.0	0.0	653.2	714.9	807.7	962.6	0.0	0.0	16.7	3.1	27.7	1.2
04	56.9	28.4	42.6	3.6	2.9	3.0	8.7	5.1	2.1	0.2	0.0	0.0	379.1	435.5	522.5	670.7	0.0	0.0	22.9	0.7	18.6	0.1
05	65.9	39.6	52.8	4.1	1.8	2.7	79.2	56.2	30.0	6.4	0.7	0.2	149.0	188.0	254.8	386.1	0.0	0.3	28.8	0.0	4.5	0.0
06	76.0	47.1	61.6	3.7	2.0	2.7	222.0	175.4	115.2	45.4	11.2	5.4	25.5	38.9	68.8	148.9	0.0	2.8	29.8	0.0	0.1	0.0
07	85.2	52.4	68.8	4.4	3.0	3.6	429.9	369.9	282.9	151.9	55.6	31.4	2.3	4.3	10.4	34.2	0.4	11.1	31.0	0.0	0.1	0.0
08	83.7	49.7	66.7	2.9	2.1	2.3	369.1	310.9	227.9	107.7	29.2	13.8	6.5	10.3	20.4	55.1	0.1	8.6	31.0	0.0	0.0	0.0
09	73.0	40.8	56.9	3.3	2.4	2.5	135.7	101.0	59.1	17.3	2.2	0.5	78.8	104.1	152.2	260.3	0.0	1.5	29.2	0.0	2.6	0.0
10	57.6	29.2	43.4	4.8	3.5	4.0	14.3	8.0	2.8	0.2	0.0	0.0	373.9	429.6	517.4	669.8	0.0	0.0	24.0	1.2	18.6	0.2
11	43.1	17.0	30.0	5.4	3.8	4.4	0.2	0.0	0.0	0.0	0.0	0.0	748.6	808.5	898.4	1048.5	0.0	0.0	10.4	5.4	28.6	1.7
12	32.6	8.2	20.4	4.4	3.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	1072.4	1134.4	1227.3	1382.5	0.0	0.0	2.2	13.4	31.0	4.9
Summary	57.5	29.0	43.2	4.5	3.4	3.8	1260	1027	720	329	99	51	5507	6004	6793	8227	0.5	24.3	232.6	47.1	190.5	20.3

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	0.18	3.0	0.4	0.0	0.0	0.06	0.15	0.27	
02	0.18	2.9	0.4	0.0	0.0	0.03	0.12	0.29	
03	0.26	3.1	0.9	0.1	0.0	0.09	0.19	0.41	
04	0.57	5.9	2.0	0.1	0.0	0.28	0.39	0.73	
05	1.22	8.6	4.2	0.5	0.0	0.62	0.98	1.90	
06	1.33	8.0	3.6	0.5	0.2	0.66	1.22	1.89	
07	0.77	5.7	2.6	0.2	0.0	0.27	0.49	1.07	
08	0.42	4.8	1.8	0.0	0.0	0.19	0.33	0.57	
09	0.76	5.1	2.3	0.4	0.0	0.28	0.57	1.10	
10	0.70	4.5	1.9	0.3	0.0	0.40	0.64	0.88	
11	0.21	3.0	0.7	0.0	0.0	0.09	0.16	0.31	
12	0.10	2.8	0.2	0.0	0.0	0.06	0.10	0.13	
Summary	6.70	57.4	21.0	2.1	0.2	3.03	5.34	9.55	

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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	2.60	2.3	1.4	0.2	0.1	0.0	5.0	1.1	0.4	0.1	0.30	2.20	3.80
02	1.80	2.4	1.1	0.1	0.0	0.0	3.6	1.2	0.7	0.0	0.00	0.50	3.10
03	1.70	1.1	0.7	0.2	0.0	0.0	0.8	0.1	0.0	0.0	0.00	0.40	2.00
04	0.80	1.0	0.4	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.00	0.00	1.10
05	0.10	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	1.10	0.9	0.5	0.1	0.0	0.0	0.5	0.1	0.0	0.0	0.00	0.00	1.90
11	1.60	1.5	0.8	0.2	0.0	0.0	1.1	0.2	0.0	0.0	0.10	0.60	2.60
12	1.50	1.5	0.7	0.1	0.0	0.0	2.2	0.0	0.0	0.0	0.40	1.00	2.00
Summary	11.2	10.9	5.7	0.9	0.1	0.0	13.7	2.7	1.1	0.1	0.8	4.7	16.5

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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	5.3	48.4	154.8	403.2	646.7	892.4	827.5	510.9	183.9	25.9	1.6
45	0.0	0.9	16.0	76.6	269.0	498.3	737.4	672.7	369.4	95.7	7.1	0.1
50	0.0	0.2	4.2	30.4	158.6	353.5	582.7	519.0	241.4	42.2	1.4	0.0
55	0.0	0.0	0.6	8.7	79.2	222.0	429.9	369.1	135.7	14.3	0.2	0.0
60	0.0	0.0	0.0	2.1	30.0	115.2	282.9	227.9	59.1	2.8	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.7	10.1	64.3	132.3	253.4	400.3	562.1	525.7	347.0	152.0	34.5	3.9

Growing Degree Units (Accumulated Monthly)												
40	0	6	54	209	612	1259	2151	2979	3490	3674	3699	3701
45	0	1	17	94	362	861	1598	2271	2640	2736	2743	2743
50	0	0	4	35	193	547	1130	1649	1890	1932	1934	1934
55	0	0	1	9	88	310	740	1110	1245	1260	1260	1260
60	0	0	0	2	32	147	430	658	717	720	720	720
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	12	76	208	462	862	1424	1950	2297	2449	2483	2487

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