

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 333 ft. Lat: 62.9575° N Lon: 155.6103° W

Station: MCGRATH AP, AK US USW00026510

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	2.6	-14.1	-5.8	9.3	9.5	9.3	0.0	0.0	0.0	0.0	0.0	0.0	1883.1	1945.1	2037.9	2193.1	0.0	0.0	0.0	28.2	30.9	23.0
02	14.7	-5.6	4.5	6.0	7.4	6.6	0.0	0.0	0.0	0.0	0.0	0.0	1412.7	1468.7	1552.8	1692.7	0.0	0.0	0.0	24.7	27.9	16.8
03	24.5	-0.7	11.9	5.7	7.5	6.4	0.0	0.0	0.0	0.0	0.0	0.0	1336.0	1398.0	1490.8	1646.0	0.0	0.0	0.1	22.0	30.7	16.7
04	42.9	21.5	32.2	4.7	4.7	4.5	0.2	0.0	0.0	0.0	0.0	0.0	684.2	744.1	834.1	984.0	0.0	0.0	7.8	4.5	26.9	2.7
05	58.9	38.0	48.4	3.8	3.1	3.3	15.0	7.7	2.1	0.1	0.0	0.0	218.1	272.8	360.3	513.2	0.0	0.0	26.4	0.2	8.7	0.0
06	68.8	48.6	58.7	2.7	1.5	1.9	134.6	92.9	46.6	10.8	1.4	0.6	23.6	41.9	85.7	199.8	0.0	0.1	29.9	0.0	0.1	0.0
07	69.5	52.1	60.8	3.2	1.4	2.1	188.6	137.5	75.2	16.6	1.6	0.4	8.8	19.7	50.4	146.8	0.0	0.0	31.0	0.0	0.0	0.0
08	64.0	47.8	55.9	2.9	2.2	2.2	76.9	46.8	19.3	2.6	0.2	0.1	49.1	81.0	146.5	284.8	0.0	0.0	30.6	0.0	0.6	0.0
09	53.9	38.0	46.0	4.0	3.5	3.5	3.4	1.1	0.2	0.0	0.0	0.0	275.0	332.7	421.8	571.5	0.0	0.0	21.3	0.3	8.9	0.0
10	34.5	22.4	28.4	5.3	6.8	5.9	0.2	0.1	0.0	0.0	0.0	0.0	823.3	885.1	978.1	1133.0	0.0	0.0	2.3	13.4	25.7	2.2
11	14.9	1.1	8.0	6.8	8.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	1409.9	1469.9	1559.8	1709.9	0.0	0.0	0.0	26.5	29.6	15.4
12	5.5	-10.0	-2.3	7.5	8.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0	1774.8	1836.8	1929.7	2084.8	0.0	0.0	0.0	29.2	31.0	22.5
Summary	37.9	19.9	28.9	5.2	5.3	5.1	419	286	143	30	3	1	9899	10496	11448	13160	0.0	0.1	149.4	149.0	221.0	99.3

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	1.15	10.4	3.5	0.5	0.1	0.45	1.03	1.72	
02	0.87	9.2	2.8	0.2	0.0	0.30	0.75	1.09	
03	0.68	7.8	2.3	0.2	0.0	0.22	0.50	1.02	
04	0.74	6.7	2.1	0.2	0.0	0.31	0.59	1.11	
05	0.91	9.3	2.8	0.2	0.0	0.48	0.87	1.23	
06	1.66	13.1	5.1	0.6	0.1	1.09	1.42	2.46	
07	2.50	15.1	7.5	1.0	0.1	1.69	2.52	3.14	
08	2.91	16.3	8.7	1.4	0.1	2.18	2.68	3.77	
09	2.53	14.0	7.0	1.1	0.2	1.30	2.07	3.39	
10	1.46	11.9	4.2	0.5	0.0	0.85	1.20	1.86	
11	1.43	11.3	4.1	0.5	0.0	0.74	1.29	1.95	
12	1.21	12.0	3.6	0.3	0.0	0.76	1.08	1.44	
Summary	18.05	137.1	53.7	6.7	0.6	10.37	16.00	24.18	

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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	14.70	11.3	4.4	1.5	0.5	0.0	31.0	31.0	31.0	30.2	6.30	12.40	21.60
02	12.70	10.2	3.9	1.1	0.3	0.1	28.5	28.5	28.5	28.3	5.50	10.60	15.50
03	9.20	8.4	3.2	0.7	0.2	0.0	31.0	31.0	31.0	30.0	2.80	7.80	14.10
04	4.40	4.8	1.3	0.2	0.1	0.0	26.0	25.3	24.4	21.3	1.30	2.60	6.50
05	0.60	0.7	0.2	0.0	0.0	0.0	3.4	2.5	1.3	0.7	0.00	0.00	0.20
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	1.40	1.2	0.4	0.1	0.0	0.0	0.8	0.5	0.3	0.0	0.00	0.00	1.50
10	7.40	7.5	2.2	0.6	0.1	0.0	11.6	7.1	3.6	0.5	2.90	6.60	11.30
11	18.20	12.4	5.5	1.7	0.7	0.0	27.6	23.0	18.6	9.1	10.00	14.10	21.20
12	17.90	13.9	5.4	1.7	0.4	0.1	31.0	30.7	29.9	22.5	11.90	17.50	22.00
Summary	86.5	70.4	26.5	7.6	2.3	0.2	190.9	179.6	168.6	142.6	40.7	71.6	113.9

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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	0.0	0.0	0.2	34.8	277.6	560.9	644.7	492.8	207.3	18.6	0.1	0.0
45	0.0	0.0	0.0	8.3	149.3	411.6	489.7	338.7	100.7	4.6	0.0	0.0
50	0.0	0.0	0.0	1.4	58.0	265.5	335.3	192.7	30.3	0.9	0.0	0.0
55	0.0	0.0	0.0	0.2	15.0	134.6	188.6	76.9	3.4	0.2	0.0	0.0
60	0.0	0.0	0.0	0.0	2.1	46.6	75.2	19.3	0.2	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.1	0.1	23.0	152.0	303.7	349.9	238.2	86.4	4.5	0.0	0.0
Growing Degree Units (Accumulated Monthly)												
40	0	0	0	35	313	874	1518	2011	2218	2237	2237	2237
45	0	0	0	8	158	569	1059	1398	1498	1503	1503	1503
50	0	0	0	1	59	325	660	853	883	884	884	884
55	0	0	0	0	15	150	338	415	419	419	419	419
60	0	0	0	0	2	49	124	143	143	143	143	143
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	0	23	175	479	829	1067	1153	1158	1158	1158

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