

Summary of Monthly Normals
1991-2020

Current Location: Elev: 2530 ft. Lat: 33.8161° N Lon: 111.9019° W
Station: CAREFREE, AZ US USC00021282
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	64.6	41.6	53.1	3.4	2.2	2.5	48.2	27.9	9.5	0.7	0.0	0.0	107.1	148.8	223.4	369.6	0.0	0.0	30.5	0.0	1.7	0.0
02	67.5	43.8	55.6	4.0	3.0	3.2	85.8	58.0	27.6	4.2	0.3	0.1	67.6	95.7	149.3	266.0	0.0	0.0	27.8	0.0	1.0	0.0
03	74.1	47.9	61.0	3.7	3.2	3.3	212.9	165.1	104.5	36.5	7.6	3.5	26.9	41.1	73.5	160.5	0.0	0.8	30.9	0.0	0.4	0.0
04	81.6	52.8	67.2	3.0	2.4	2.6	371.6	315.3	235.4	121.9	46.0	27.9	5.5	9.2	19.4	55.9	0.2	5.3	30.0	0.0	0.0	0.0
05	91.0	61.2	76.1	3.6	3.2	3.4	654.2	592.5	500.9	352.8	217.2	169.5	0.1	0.4	1.8	8.7	4.1	18.8	31.0	0.0	0.0	0.0
06	100.6	70.1	85.4	2.6	2.5	2.5	910.4	850.4	760.4	610.4	461.0	401.5	0.0	0.0	0.0	0.0	18.4	28.4	30.0	0.0	0.0	0.0
07	103.4	75.9	89.7	1.7	1.9	1.5	1074.1	1012.0	919.1	764.1	609.1	547.1	0.0	0.0	0.0	0.0	25.4	30.7	31.0	0.0	0.0	0.0
08	102.3	75.9	89.1	2.3	1.6	1.8	1057.0	995.0	902.0	747.1	592.0	530.0	0.0	0.0	0.0	0.0	22.7	30.6	31.0	0.0	0.0	0.0
09	97.0	70.4	83.7	2.1	1.8	1.9	860.9	800.9	710.9	561.1	411.7	353.0	0.0	0.0	0.0	0.1	10.1	27.4	30.0	0.0	0.0	0.0
10	85.5	60.1	72.8	3.3	2.2	2.6	552.9	492.1	402.5	261.7	141.7	102.5	1.1	2.3	5.7	19.9	0.4	10.9	31.0	0.0	0.0	0.0
11	73.5	49.4	61.5	4.1	3.2	3.6	221.4	176.6	119.4	50.2	14.9	8.2	27.9	43.1	75.9	156.7	0.0	0.4	29.9	0.0	0.3	0.0
12	63.6	41.3	52.5	2.7	2.1	2.2	43.2	24.7	8.8	1.1	0.1	0.0	122.1	165.5	242.7	390.1	0.0	0.0	30.1	0.0	2.5	0.0
Summary	83.7	57.5	70.6	3.0	2.4	2.6	6093	5510	4701	3512	2502	2143	358	506	792	1428	81.3	153.3	363.2	0.0	5.9	0.0

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	1.80	4.5	3.1	1.2	0.5	0.31	1.30	2.32
02	1.60	4.7	3.3	1.3	0.5	0.58	1.24	1.90
03	1.64	3.8	2.3	1.2	0.5	0.38	1.28	2.54
04	0.50	1.9	1.0	0.2	0.1	0.12	0.29	0.84
05	0.15	1.5	0.6	0.1	0.1	0.00	0.00	0.08
06	0.12	0.6	0.2	0.1	0.1	0.00	0.00	0.07
07	1.27	3.8	2.0	0.4	0.2	0.31	0.76	2.00
08	1.30	4.9	2.8	1.0	0.3	0.26	0.90	2.00
09	1.15	3.3	1.7	0.8	0.4	0.22	0.67	1.50
10	0.97	2.7	1.7	0.7	0.3	0.30	0.52	1.27
11	0.77	2.7	1.7	0.8	0.3	0.10	0.51	1.12
12	1.31	3.9	2.2	0.9	0.3	0.27	0.76	2.21
Summary	12.58	38.3	22.6	8.7	3.6	2.85	8.23	17.85

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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	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
02	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
03	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
04	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
05	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
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	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
11	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
12	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
Summary	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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	407.8	438.7	651.1	816.0	1119.1	1360.4	1539.1	1522.1	1311.0	1016.8	643.6	386.7
45	259.8	302.5	497.4	666.1	964.1	1210.4	1384.1	1367.1	1161.0	861.8	494.5	240.7
50	133.5	180.1	348.7	517.1	809.1	1060.4	1229.1	1212.0	1010.9	706.8	351.2	121.1
55	48.2	85.8	212.9	371.6	654.2	910.4	1074.1	1057.0	860.9	552.9	221.4	43.2
60	9.5	27.6	104.5	235.4	500.9	760.4	919.1	902.0	710.9	402.5	119.4	8.8
Growing Degree Units for Corn (Monthly)												
50/86	230.6	252.3	397.6	520.8	713.2	841.9	958.2	959.7	843.8	667.4	391.5	215.4

Growing Degree Units (Accumulated Monthly)												
40	408	846	1498	2314	3433	4793	6332	7854	9165	10182	10826	11212
45	260	562	1060	1726	2690	3900	5284	6652	7812	8674	9169	9410
50	134	314	662	1179	1988	3049	4278	5490	6501	7208	7559	7680
55	48	134	347	718	1373	2283	3357	4414	5275	5828	6049	6093
60	10	37	142	377	878	1638	2557	3459	4170	4573	4692	4701
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	231	483	880	1401	2114	2956	3915	4874	5718	6386	6777	6992

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