

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 1167 ft. Lat: 33.4258° N Lon: 111.9217° W
Station: TEMPE ASU, AZ US USC00028499

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	70.6	38.5	54.5	3.2	2.6	2.1	61.2	35.9	13.3	0.8	0.0	0.0	75.1	111.9	182.2	324.7	0.0	0.0	30.9	0.0	3.1	0.0
02	73.7	40.9	57.3	4.3	2.7	3.0	103.2	69.0	31.8	4.5	0.1	0.0	38.8	60.5	107.3	220.1	0.0	0.0	28.0	0.0	1.8	0.0
03	80.4	45.9	63.1	3.7	2.6	2.9	261.2	207.0	133.9	47.7	9.4	4.3	8.6	16.4	36.3	105.0	0.0	2.5	31.0	0.0	0.2	0.0
04	86.9	50.9	68.9	2.7	2.7	2.6	417.7	358.8	273.2	145.0	54.9	33.3	0.7	1.7	6.2	27.9	0.7	11.4	30.0	0.0	0.0	0.0
05	95.0	59.1	77.1	3.4	2.7	2.9	683.6	621.6	528.8	376.0	232.2	180.7	0.0	0.1	0.3	2.5	7.2	23.9	31.0	0.0	0.0	0.0
06	103.7	67.0	85.3	2.4	2.4	2.3	910.5	850.5	760.5	610.5	460.9	401.3	0.0	0.0	0.0	0.0	23.1	29.5	30.0	0.0	0.0	0.0
07	105.9	75.8	90.9	1.7	2.2	1.7	1111.3	1049.2	956.2	801.3	646.2	584.3	0.0	0.0	0.0	0.0	28.6	31.0	31.0	0.0	0.0	0.0
08	104.8	75.1	89.9	1.8	2.3	1.9	1083.4	1021.4	928.4	773.4	618.4	556.4	0.0	0.0	0.0	0.0	26.9	30.8	31.0	0.0	0.0	0.0
09	100.8	68.9	84.9	1.9	1.9	1.6	895.4	835.4	745.4	595.5	445.7	386.4	0.0	0.0	0.0	0.0	17.6	29.1	30.0	0.0	0.0	0.0
10	91.0	56.3	73.6	2.7	2.6	2.1	578.4	516.8	425.4	278.5	150.1	107.6	0.2	0.6	2.3	10.3	2.7	18.7	31.0	0.0	0.0	0.0
11	79.0	45.1	62.0	3.8	3.3	3.3	229.2	181.1	119.5	46.8	11.5	5.6	17.7	29.6	58.0	135.3	0.0	2.2	30.0	0.0	0.5	0.0
12	69.3	37.7	53.5	2.9	2.4	2.3	48.1	27.3	9.7	0.9	0.1	0.1	94.5	135.6	211.0	357.3	0.0	0.0	31.0	0.0	4.1	0.0
Summary	88.4	55.1	71.8	2.9	2.5	2.4	6383	5774	4926	3681	2629	2260	236	356	604	1183	106.8	179.1	364.9	0.0	9.7	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	1.04	4.4	2.4	0.7	0.1	0.13	0.71	1.69	
02	1.12	4.5	2.6	0.9	0.1	0.25	0.89	1.48	
03	0.96	3.3	2.2	0.7	0.1	0.12	0.78	1.42	
04	0.23	1.3	0.6	0.1	0.0	0.00	0.09	0.33	
05	0.18	1.2	0.5	0.1	0.0	0.00	0.03	0.13	
06	0.06	0.6	0.2	0.0	0.0	0.00	0.00	0.02	
07	0.99	3.7	2.0	0.7	0.2	0.37	0.94	1.31	
08	1.30	4.5	2.7	0.9	0.3	0.42	1.12	1.96	
09	0.71	2.9	1.7	0.4	0.2	0.13	0.30	1.03	
10	0.61	2.3	1.2	0.3	0.1	0.00	0.17	0.70	
11	0.65	2.0	1.3	0.5	0.1	0.04	0.44	0.83	
12	0.95	3.6	2.1	0.5	0.0	0.27	0.60	1.31	
Summary	8.80	34.3	19.5	5.8	1.2	1.73	6.07	12.21	

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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	452.3	484.7	717.6	867.0	1148.5	1360.5	1576.3	1548.4	1345.4	1043.2	661.5	418.8
45	300.1	345.9	562.6	717.0	993.5	1210.5	1421.3	1393.4	1195.4	888.2	511.9	268.4
50	161.6	213.5	408.4	567.0	838.5	1060.5	1266.3	1238.4	1045.4	733.2	365.2	137.5
55	61.2	103.2	261.2	417.7	683.6	910.5	1111.3	1083.4	895.4	578.4	229.2	48.1
60	13.3	31.8	133.9	273.2	528.8	760.5	956.2	928.4	745.4	425.4	119.5	9.7
Growing Degree Units for Corn (Monthly)												
50/86	321.1	334.0	468.2	545.7	695.9	795.1	958.4	947.7	823.4	649.1	437.8	300.1

Growing Degree Units (Accumulated Monthly)												
40	452	937	1655	2522	3670	5031	6607	8155	9501	10544	11205	11624
45	300	646	1209	1926	2919	4130	5551	6944	8140	9028	9540	9808
50	162	375	784	1350	2189	3250	4516	5754	6800	7533	7898	8036
55	61	164	426	843	1527	2437	3549	4632	5528	6106	6335	6383
60	13	45	179	452	981	1742	2698	3626	4372	4797	4916	4926
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	321	655	1123	1669	2365	3160	4118	5066	5889	6539	6976	7276

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

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