

Summary of Monthly Normals
1991-2020

Generated on 04/18/2024

Current Location: Elev: 4350 ft. Lat: 31.9356° N Lon: 109.8378° W
Station: PEARCE - SUNSITES, AZ US USC00026353

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	60.0	29.1	44.6	3.8	2.5	2.0	1.0	0.3	0.0	0.0	0.0	0.0	324.9	386.2	478.9	633.9	0.0	0.0	28.2	0.0	22.0	0.0
02	63.7	32.1	47.9	4.2	2.9	2.8	7.4	3.2	0.9	0.0	0.0	0.0	206.2	258.0	339.6	478.8	0.0	0.0	26.7	0.0	15.6	0.0
03	70.4	36.5	53.4	3.0	2.1	2.0	51.1	28.3	8.9	0.5	0.0	0.0	99.1	138.4	211.9	358.5	0.0	0.0	30.9	0.0	8.8	0.0
04	77.5	41.7	59.6	2.6	2.3	2.2	165.0	120.3	66.0	13.8	0.8	0.2	27.0	42.3	77.9	175.8	0.0	0.7	30.0	0.0	3.2	0.0
05	85.8	49.5	67.7	2.9	2.5	2.4	394.1	334.3	248.4	124.8	41.2	23.0	2.0	4.1	11.2	42.6	0.4	9.9	31.0	0.0	0.1	0.0
06	94.8	59.4	77.1	2.5	2.6	2.3	662.9	602.8	512.8	363.5	217.8	163.7	0.0	0.0	0.0	0.6	5.0	25.3	30.0	0.0	0.0	0.0
07	92.6	65.1	78.9	2.2	1.4	1.4	739.3	677.3	584.3	429.3	274.4	213.3	0.0	0.0	0.0	0.0	5.0	22.6	31.0	0.0	0.0	0.0
08	90.7	63.6	77.2	2.9	1.2	1.8	686.6	624.6	531.6	376.6	222.2	162.9	0.0	0.0	0.0	0.0	1.3	20.5	31.0	0.0	0.0	0.0
09	87.7	57.4	72.5	2.4	1.6	1.7	526.5	466.5	376.7	229.7	99.7	60.3	0.0	0.0	0.2	3.2	0.0	12.6	30.0	0.0	0.0	0.0
10	80.0	45.8	62.9	3.0	2.2	2.0	257.1	203.2	130.5	42.2	5.1	1.5	12.2	20.3	40.6	107.3	0.0	2.5	31.0	0.0	1.0	0.0
11	68.8	35.5	52.2	4.0	2.5	3.0	43.0	25.6	9.6	1.0	0.0	0.0	128.5	171.1	245.1	386.5	0.0	0.0	29.4	0.0	10.4	0.0
12	59.3	29.4	44.4	2.7	2.5	1.8	1.8	0.5	0.1	0.0	0.0	0.0	331.9	392.6	485.1	640.1	0.0	0.0	27.8	0.0	21.3	0.0
Summary	77.6	45.4	61.5	3.0	2.2	2.1	3536	3087	2470	1581	861	625	1132	1413	1890	2827	11.7	94.1	357.0	0.0	82.4	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	0.85	4.2	2.4	0.4	0.0	0.08	0.58	1.12	
02	0.75	4.6	2.3	0.3	0.0	0.24	0.69	1.03	
03	0.55	3.2	1.7	0.3	0.1	0.17	0.33	1.00	
04	0.19	1.6	0.7	0.0	0.0	0.00	0.10	0.25	
05	0.23	2.0	0.8	0.1	0.0	0.00	0.08	0.29	
06	0.56	2.5	1.2	0.3	0.0	0.11	0.18	0.73	
07	2.58	9.4	5.8	1.7	0.5	1.44	2.59	3.07	
08	2.86	10.8	6.5	2.3	0.6	1.95	2.69	3.71	
09	1.47	5.5	3.3	1.0	0.5	0.76	1.26	1.77	
10	0.68	3.2	2.0	0.3	0.1	0.12	0.39	0.63	
11	0.67	3.1	1.7	0.4	0.1	0.19	0.40	0.80	
12	0.80	4.5	2.1	0.4	0.0	0.26	0.60	0.89	
Summary	12.19	54.6	30.5	7.5	1.9	5.32	9.89	15.29	

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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	0.70	0.2	0.2	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
02	0.20	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
03	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
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	0.20	0.1	0.1	0.1	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	1.2	0.6	0.5	0.2	0.1	0.0	0.1	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	164.7	230.3	418.0	588.0	857.2	1112.9	1204.3	1151.6	976.5	710.0	368.3	160.1
45	62.0	116.3	269.6	439.0	702.2	962.8	1049.3	996.6	826.4	555.5	232.0	64.9
50	11.9	39.8	141.8	294.6	547.3	812.9	894.3	841.6	676.5	403.2	117.6	15.8
55	1.0	7.4	51.1	165.0	394.1	662.9	739.3	686.6	526.5	257.1	43.0	1.8
60	0.0	0.9	8.9	66.0	248.4	512.8	584.3	531.6	376.7	130.5	9.6	0.1
Growing Degree Units for Corn (Monthly)												
50/86	162.3	194.7	316.8	416.2	549.3	680.9	784.1	759.2	634.0	475.6	284.6	151.8

Growing Degree Units (Accumulated Monthly)												
40	165	395	813	1401	2258	3371	4575	5727	6704	7414	7782	7942
45	62	178	448	887	1589	2552	3601	4598	5424	5980	6212	6277
50	12	52	194	488	1035	1848	2743	3584	4261	4664	4782	4797
55	1	8	60	224	619	1282	2021	2707	3234	3491	3534	3536
60	0	1	10	76	324	837	1421	1953	2330	2460	2470	2470
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	162	357	674	1090	1639	2320	3104	3864	4498	4973	5258	5410

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

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