

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 450 ft. Lat: 35.7425° N Lon: 78.8369° W
Station: **APEX, NC US USC00310212**

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	50.9	30.9	40.9	3.2	3.5	3.3	11.8	7.2	3.0	0.5	0.0	0.0	448.8	506.1	594.9	747.4	0.0	0.0	16.5	2.2	18.9	0.0
02	54.4	32.6	43.5	4.1	3.7	3.8	16.2	10.5	4.6	0.8	0.1	0.0	338.2	388.5	466.6	602.8	0.0	0.0	17.8	0.8	15.1	0.0
03	61.9	39.1	50.5	4.0	3.6	3.7	63.8	45.8	25.7	6.8	0.9	0.3	203.3	247.2	320.2	456.3	0.0	0.0	26.2	0.0	8.9	0.0
04	71.6	47.6	59.6	2.4	2.0	2.0	189.5	150.5	101.3	42.4	11.5	5.7	51.5	72.5	113.3	204.4	0.0	0.3	29.5	0.0	0.8	0.0
05	78.7	56.7	67.7	2.7	3.5	2.9	397.1	339.7	258.5	142.4	58.8	35.7	3.4	8.0	19.8	58.7	0.0	1.8	31.0	0.0	0.0	0.0
06	85.7	65.2	75.4	2.6	1.8	2.0	613.4	553.6	464.4	318.7	182.7	134.5	0.0	0.2	1.0	5.2	0.1	8.9	30.0	0.0	0.0	0.0
07	89.0	69.4	79.2	2.2	1.6	1.8	750.1	688.1	595.1	440.2	286.4	226.4	0.0	0.0	0.0	0.1	0.6	15.2	31.0	0.0	0.0	0.0
08	87.4	67.7	77.5	2.9	1.8	2.2	699.0	637.0	544.0	389.2	237.9	180.8	0.0	0.0	0.0	0.2	0.4	11.3	31.0	0.0	0.0	0.0
09	81.5	61.7	71.6	2.7	2.5	2.4	498.4	439.2	351.7	214.7	103.6	69.1	0.6	1.3	3.9	16.8	0.0	3.2	30.0	0.0	0.0	0.0
10	71.8	49.5	60.7	2.6	3.0	2.4	208.4	163.7	107.1	43.6	12.4	7.0	33.2	50.5	86.9	178.4	0.0	0.3	30.9	0.0	0.4	0.0
11	62.2	39.5	50.9	3.7	3.0	3.2	55.1	37.6	19.3	4.4	0.5	0.2	179.5	222.1	293.7	428.9	0.0	0.0	27.2	0.0	7.3	0.0
12	53.9	34.1	44.0	4.6	4.4	4.4	22.3	15.3	7.9	1.6	0.1	0.0	363.2	418.2	503.8	652.6	0.0	0.0	20.1	0.3	15.5	0.0
Summary	70.8	49.5	60.1	3.1	2.9	2.8	3525	3088	2483	1605	895	660	1622	1915	2404	3352	1.1	41.0	321.2	3.3	66.9	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	3.65	10.2	6.7	2.6	0.7	2.75	3.56	4.44
02	3.00	9.5	6.2	2.1	0.7	1.95	2.82	3.53
03	4.08	10.5	7.0	2.9	1.0	3.13	3.80	4.85
04	3.63	9.8	6.4	2.5	0.9	2.33	3.37	4.59
05	3.83	10.2	6.5	2.7	0.9	3.09	3.86	4.81
06	4.33	10.9	7.1	3.1	1.3	2.79	3.44	5.08
07	5.07	11.7	7.9	3.0	1.1	3.59	4.92	6.44
08	4.64	10.3	7.1	3.0	1.6	3.00	4.05	5.84
09	5.27	8.7	5.8	3.1	1.9	2.71	4.19	6.06
10	3.71	7.9	4.9	2.1	0.9	2.24	3.22	4.67
11	3.45	8.4	5.3	2.1	1.1	1.83	3.30	4.29
12	3.67	10.6	6.5	2.7	1.0	2.55	3.34	5.06
Summary	48.33	118.7	77.4	31.9	13.1	31.96	43.87	59.66

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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	2.90	1.4	1.1	0.4	0.2	0.0	2.0	1.2	0.2	0.1	0.10	1.20	5.30
02	1.00	0.7	0.4	0.1	0.0	0.0	0.6	0.1	0.0	0.0	0.00	0.00	1.30
03	0.40	0.4	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.20
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	0.30	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
12	0.20	0.6	0.1	0.1	0.0	0.0	0.3	0.2	0.1	0.0	0.00	0.00	0.30
Summary	4.8	3.2	1.8	0.8	0.3	0.0	3.1	1.5	0.3	0.1	0.1	1.2	7.1

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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	140.9	160.1	343.6	588.7	858.7	1063.4	1215.1	1164.0	947.9	640.3	335.7	183.5
45	75.2	88.5	221.2	442.6	703.7	913.4	1060.0	1009.0	797.8	487.2	212.3	99.6
50	34.0	41.8	127.9	306.5	549.1	763.4	905.0	854.0	647.9	340.5	118.3	50.2
55	11.8	16.2	63.8	189.5	397.1	613.4	750.1	699.0	498.4	208.4	55.1	22.3
60	3.0	4.6	25.7	101.3	258.5	464.4	595.1	544.0	351.7	107.1	19.3	7.9
Growing Degree Units for Corn (Monthly)												
50/86	83.9	102.8	207.8	360.6	552.8	727.4	843.9	808.4	636.5	388.5	200.1	105.1

Growing Degree Units (Accumulated Monthly)												
40	141	301	645	1233	2092	3155	4370	5534	6482	7123	7458	7642
45	75	164	385	828	1531	2445	3505	4514	5311	5799	6011	6111
50	34	76	204	510	1059	1823	2728	3582	4230	4570	4688	4739
55	12	28	92	281	678	1292	2042	2741	3239	3448	3503	3525
60	3	8	33	135	393	858	1453	1997	2348	2455	2475	2483
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	84	187	394	755	1308	2035	2879	3688	4324	4713	4913	5018

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