

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 500 ft. Lat: 35.9086° N Lon: 79.0794° W
Station: CHAPEL HILL 2 W, NC US USC00311677

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	50.7	29.4	40.0	3.3	3.8	3.4	8.3	5.1	2.2	0.3	0.0	0.0	471.6	530.4	620.5	773.7	0.0	0.0	16.5	1.9	21.0	0.0
02	54.3	31.3	42.8	4.2	3.5	3.7	12.2	7.7	3.2	0.4	0.0	0.0	353.7	405.2	484.7	622.0	0.0	0.0	18.2	0.6	16.9	0.0
03	61.8	38.0	49.9	4.2	3.7	3.9	59.9	42.8	23.9	6.8	0.9	0.2	217.9	262.9	336.9	474.9	0.0	0.0	26.1	0.1	9.9	0.0
04	71.5	46.8	59.2	2.5	2.2	2.1	180.6	142.8	95.5	40.0	10.6	5.2	56.1	78.4	121.0	215.5	0.0	0.3	29.5	0.0	1.1	0.0
05	78.6	56.3	67.5	2.9	3.3	2.9	390.7	333.4	252.8	138.8	56.4	33.8	4.7	9.5	21.8	62.9	0.0	2.0	31.0	0.0	0.0	0.0
06	85.7	65.0	75.4	2.6	1.9	2.1	610.4	550.7	461.4	315.6	181.2	134.1	0.0	0.2	1.0	5.2	0.0	9.2	30.0	0.0	0.0	0.0
07	89.5	69.3	79.4	2.3	1.8	1.9	756.3	694.3	601.3	446.4	292.5	232.6	0.0	0.0	0.0	0.1	0.5	16.6	31.0	0.0	0.0	0.0
08	87.5	67.7	77.6	2.8	1.9	2.2	700.5	638.5	545.5	390.8	240.1	183.8	0.0	0.0	0.0	0.2	0.3	11.9	31.0	0.0	0.0	0.0
09	81.8	61.5	71.7	3.0	2.4	2.4	500.0	440.8	353.8	217.6	105.9	71.4	0.6	1.5	4.4	18.2	0.0	4.1	30.0	0.0	0.0	0.0
10	72.1	48.5	60.3	2.5	2.9	2.3	202.7	159.9	105.4	42.4	12.5	6.9	38.3	57.5	96.0	188.0	0.0	0.2	30.8	0.0	0.8	0.0
11	62.0	37.8	49.9	3.9	2.9	3.2	49.2	33.8	18.2	4.5	0.5	0.3	202.1	246.7	321.1	457.4	0.0	0.0	26.8	0.0	9.7	0.0
12	53.7	32.4	43.1	4.4	4.0	4.1	17.7	12.1	6.1	1.2	0.1	0.0	388.1	444.4	531.5	681.6	0.0	0.0	19.7	0.3	17.7	0.0
Summary	70.8	48.7	59.7	3.2	2.9	2.8	3488	3062	2469	1605	901	668	1733	2037	2539	3500	0.8	44.3	320.6	2.9	77.1	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	3.95	11.3	7.5	2.5	0.8	2.74	3.96	4.97	
02	3.27	10.4	6.1	2.2	0.7	2.25	2.96	4.17	
03	4.39	11.5	7.4	3.1	1.3	2.99	3.78	5.69	
04	3.71	9.9	6.9	2.4	0.9	2.01	3.41	4.61	
05	3.78	10.3	6.7	2.7	1.1	2.60	3.89	4.91	
06	4.08	10.7	7.1	2.7	1.0	2.48	3.40	5.60	
07	4.82	10.9	7.0	3.2	1.2	3.05	3.87	6.01	
08	4.30	10.7	7.4	3.1	1.2	3.41	4.45	5.46	
09	5.42	9.1	5.9	3.2	1.8	2.41	4.15	6.40	
10	3.77	8.5	5.1	2.1	1.1	2.49	3.48	4.85	
11	3.50	9.2	5.5	2.5	1.1	1.86	3.29	4.54	
12	3.87	11.3	6.6	2.5	1.0	2.49	3.65	5.03	
Summary	48.86	123.8	79.2	32.2	13.2	30.78	44.29	62.24	

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	1.50	0.9	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.30
02	0.90	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.70
03	0.10	0.1	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	0.10	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	0.20	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Summary	2.8	1.9	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

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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	121.8	144.0	328.0	575.6	850.9	1060.4	1221.3	1165.5	949.4	629.5	310.7	161.0
45	60.6	75.8	210.2	430.3	695.9	910.4	1066.3	1010.5	799.4	476.6	193.7	84.9
50	25.4	33.6	119.8	295.1	541.5	760.4	911.3	855.5	649.4	330.7	106.6	41.2
55	8.3	12.2	59.9	180.6	390.7	610.4	756.3	700.5	500.0	202.7	49.2	17.7
60	2.2	3.2	23.9	95.5	252.8	461.4	601.3	545.5	353.8	105.4	18.2	6.1
Growing Degree Units for Corn (Monthly)												
50/86	80.3	99.8	205.2	357.5	548.9	724.0	843.6	807.5	637.4	389.0	198.1	101.0
Growing Degree Units (Accumulated Monthly)												
40	122	266	594	1169	2020	3081	4302	5468	6417	7046	7357	7518
45	61	136	347	777	1473	2383	3450	4460	5259	5736	5930	6015
50	25	59	179	474	1015	1776	2687	3543	4192	4523	4629	4670
55	8	20	80	261	652	1262	2018	2719	3219	3422	3471	3488
60	2	5	29	125	378	839	1440	1986	2340	2445	2463	2469
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	80	180	385	743	1292	2016	2859	3667	4304	4693	4891	4992

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