

Summary of Monthly Normals
1991-2020

Generated on 05/28/2024

Current Location: Elev: 2247 ft. Lat: 35.0603° N Lon: 83.4300° W

Station: COWEETA EXP STN, NC US USC00312102

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	51.6	25.7	38.6	3.4	4.1	3.6	3.4	1.7	0.4	0.0	0.0	0.0	510.0	570.3	662.1	816.8	0.0	0.0	17.7	1.3	22.5	0.2
02	55.3	28.5	41.9	3.9	3.7	3.5	5.8	3.0	0.9	0.1	0.0	0.0	372.5	425.8	507.7	646.9	0.0	0.0	19.5	0.6	19.2	0.1
03	62.4	34.5	48.5	4.2	3.7	3.8	33.9	21.4	8.9	1.2	0.0	0.0	236.9	286.4	366.9	514.3	0.0	0.0	26.9	0.1	13.3	0.0
04	71.0	42.3	56.6	2.5	2.9	2.4	124.6	91.4	52.2	12.6	0.9	0.2	75.1	101.9	152.7	263.1	0.0	0.0	29.4	0.0	3.7	0.0
05	77.6	50.3	64.0	2.2	3.3	2.4	290.2	236.6	162.9	64.1	10.9	3.3	12.8	21.2	40.5	96.6	0.0	0.3	30.9	0.0	0.4	0.0
06	83.2	57.3	70.2	2.3	1.6	1.5	457.5	398.0	309.6	169.6	57.3	27.8	0.1	0.6	2.2	12.1	0.0	2.2	30.0	0.0	0.0	0.0
07	86.1	60.7	73.4	2.1	1.8	1.6	570.3	508.3	415.3	261.2	116.0	67.0	0.0	0.0	0.0	0.8	0.0	4.8	31.0	0.0	0.0	0.0
08	85.1	59.9	72.5	2.3	2.0	1.7	542.4	480.4	387.5	234.3	96.0	53.9	0.0	0.0	0.0	1.8	0.0	4.0	31.0	0.0	0.0	0.0
09	80.3	54.1	67.2	2.8	2.9	2.3	368.2	310.7	227.9	107.3	27.3	11.4	2.3	4.8	11.9	41.3	0.0	0.8	30.0	0.0	0.1	0.0
10	71.8	42.9	57.3	2.1	3.2	2.2	137.9	101.3	57.0	16.0	2.5	0.9	65.1	90.4	139.1	253.2	0.0	0.1	30.7	0.0	4.8	0.0
11	62.2	32.8	47.5	3.7	2.8	3.0	24.7	15.5	6.9	1.0	0.0	0.0	249.6	300.3	381.8	526.0	0.0	0.0	26.8	0.0	17.1	0.0
12	54.2	28.4	41.3	4.0	4.2	4.0	7.3	4.2	1.5	0.1	0.0	0.0	431.9	490.8	581.1	734.7	0.0	0.0	21.0	0.4	21.7	0.0
Summary	70.1	43.1	56.6	3.0	3.0	2.7	2566	2172	1631	867	311	164	1956	2292	2846	3908	0.0	12.2	324.9	2.4	102.8	0.3

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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	7.08	11.6	8.1	4.3	2.4	4.85	6.40	8.44	
02	6.50	11.3	7.8	4.2	2.2	4.92	5.88	7.80	
03	6.67	12.5	8.5	4.3	2.0	5.01	6.56	7.44	
04	6.12	11.0	7.9	3.9	1.9	4.33	6.36	7.66	
05	5.30	12.0	8.3	3.3	1.4	3.34	4.60	6.29	
06	5.92	13.6	9.6	3.9	1.8	3.98	5.12	7.84	
07	5.11	13.8	9.5	3.2	0.9	3.02	4.69	6.21	
08	5.33	12.5	8.4	3.3	1.4	2.99	4.25	7.17	
09	5.68	9.0	6.5	2.9	1.5	3.43	4.81	7.76	
10	5.07	8.6	5.1	2.7	1.7	2.38	5.00	6.90	
11	6.14	9.6	6.5	3.6	2.5	4.32	6.10	7.48	
12	7.25	12.2	9.0	4.8	2.3	5.25	6.35	8.13	
Summary	72.17	137.7	95.2	44.4	22.0	47.82	66.12	89.12	

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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	0.40	0.2	0.1	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.00	0.00	0.00
02	0.30	0.2	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
03	1.10	0.1	0.1	0.0	0.0	0.0	0.3	0.3	0.2	0.2	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	0.80	0.4	0.3	0.1	0.1	0.0	0.7	0.4	0.1	0.0	0.00	0.00	0.00
Summary	2.6	0.9	0.6	0.1	0.1	0.0	1.5	0.9	0.4	0.2	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	95.0	123.3	287.0	501.5	742.5	907.4	1035.3	1007.4	815.9	539.3	248.7	127.5
45	40.6	56.1	171.7	358.4	587.9	757.4	880.3	852.4	665.9	389.9	139.5	61.3
50	14.0	20.7	85.8	229.2	435.2	607.4	725.3	697.4	516.2	252.2	65.0	23.8
55	3.4	5.8	33.9	124.6	290.2	457.5	570.3	542.4	368.2	137.9	24.7	7.3
60	0.4	0.9	8.9	52.2	162.9	309.6	415.3	387.5	227.9	57.0	6.9	1.5
Growing Degree Units for Corn (Monthly)												
50/86	72.0	99.0	201.2	327.2	478.0	598.9	698.1	676.8	533.7	359.6	193.3	96.8

Growing Degree Units (Accumulated Monthly)												
40	95	218	505	1007	1749	2657	3692	4699	5515	6055	6303	6431
45	41	97	268	627	1215	1972	2852	3705	4371	4761	4900	4961
50	14	35	120	350	785	1392	2118	2815	3331	3583	3648	3672
55	3	9	43	168	458	915	1486	2028	2396	2534	2559	2566
60	0	1	10	62	225	535	950	1338	1566	1623	1630	1631
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	72	171	372	699	1177	1776	2474	3151	3685	4044	4238	4335

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

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