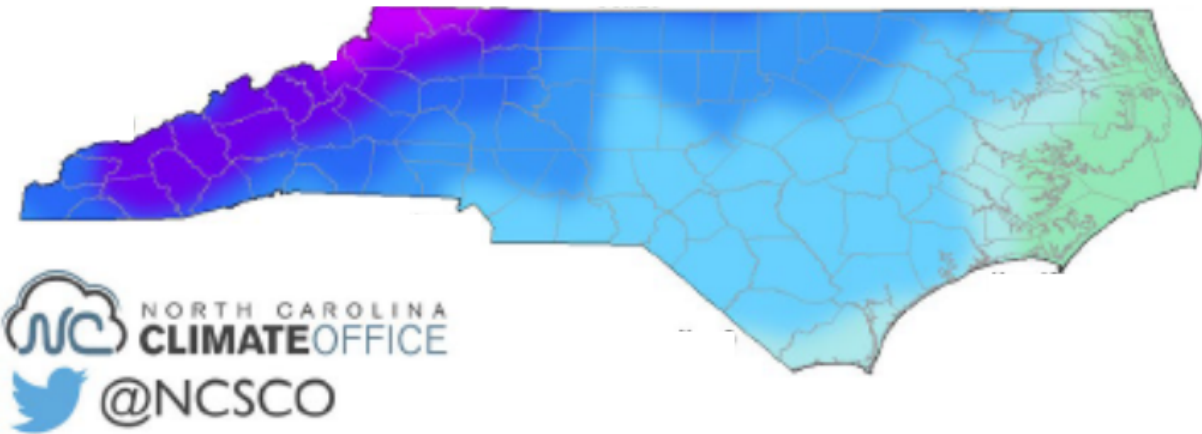


NC STATE

Extension Gardener

First and Last Frost Dates by County



County Weather Station ID	Average First Frost *	Average Last Frost *	Map **
Alamance Burlington Alamance Airport KBUY	Nov 2	Mar 30	
Alexander Taylorsville 318519	Nov 8	Mar 30	
Alleghany Sparta 2 Se 318158	Oct 22	Apr 20	
Anson Wadesboro 318964	Nov 8	Mar 24	
Ashe Upper Mountain Research Station (Laur)	Oct 24	Apr 21	

County Weather Station ID	Average First Frost *	Average Last Frost *	Map **
Avery Banner Elk 310506	Oct 5	May 10	
Beaufort Aurora 6 N 310375	Dec 3	Mar 9	
Bertie Peanut Belt Research Station LEWS	Nov 12	Mar 26	
Bladen Brown Field KEYF	Nov 26	Mar 15	
Brunswick Shallotte AG 317813	Nov 19	Mar 17	
Buncombe Asheville 310301	Oct 25	Apr 11	
Burke Morganton 315838	Oct 24	Apr 12	
Cabarrus Mt. Peasant 315945	Oct 30	Apr 7	
Caldwell Lenoir 314938	Oct 26	Apr 12	
Camden	No Stations		
Carteret Cedar Island 311606	Nov 26	Mar 15	

County Weather Station ID	Average First Frost *	Average Last Frost *	Map **
Caswell Yanceyville 5 Se 319704	Nov 5	Mar 30	
Catawba	No Stations		
Chatham Siler City 2N 317924	Oct 27	Apr 12	
Cherokee Murphy 316001	Oct 17	Apr 26	
Chowan Edenton 312635	Nov 14	Mar 25	
Clay	No Stations		
Cleveland Shelby 2 Nn3 317845	Oct 29	Apr 8	
Columbus Border Belt Tobacco Research Station WHIT	Nov 12	Mar 22	
Craven Perrytown 316676	Nov 26	Mar 15	
Cumberland Fayetteville Pwc 313017	Nov 7	Mar 27	
Currituck Airport (KONX)	Nov 25	Mar 20	

County Weather Station ID	Average First Frost *	Average Last Frost *	Map **
Dare Hatteras (KHSE)	Dec 19	Mar 2	
Davidson Lexington 314970	Oct 29	Apr 5	
Davie Mocksville 5se 315743	Oct 26	Apr 11	
Duplin Williamsdale Field Lab	Nov15	Mar 25	
Durham Reclamation Facility (DURH)	Nov 5	Mar 30	
Eastern Band of Cherokee Indians Bryson City 311165	Oct 26	Apr 16	
Edgecombe Tarboro 1 S 318500	Nov 5	Mar 30	
Forsyth Winston-salem Wbas Ap 319539	Oct 30	Apr 6	
Franklin Louisburg 315123	Oct 24	Apr 13	
Gaston Gastonia 313356	Nov 8	Mar 27	
Gates Buckland Elementary BUCK	Nov 4	Apr 2	

County Weather Station ID	Average First Frost *	Average Last Frost *	Map **
Graham Robbinsville Ag 5 Ne 317344	Oct 26	Apr 15	
Granville Oxford Ag 316510	Nov 11	Mar 23	
Greene Snow Hill Wtp 318066	Nov 11	Mar 23	
Guilford Greensboro Wtp 313625	Nov 4	Apr 1	
Halifax Roanoke Rapids 317319	Nov 10	Mar 30	
Harnett Lillington 314987	Oct 31	Mar 31	
Haywood Waterville 2 319123	Oct 29	Apr 6	
Henderson Hendersonville 1 Ne 313976	Oct 29	Apr 2	
Hertford Murfreesboro 315996	Oct 30	Apr 3	
Hoke	No stations		
Hyde Ocracoke 316349	Dec 16	Mar 4	

County Weather Station ID	Average First Frost *	Average Last Frost *	Map **
Iredell Statesville 2 Nne 318292	Oct 27	Apr 11	
Jackson Cullowhee 312200	Oct 17	Apr 25	
Johnston Clayton Wtp 311820	Nov 5	Mar 30	
Jones No stations	No stations		
Lee Sanford 8 Ne 317656	Oct 24	Apr 14	
Lenoir Cunningham Research Station KINS	Nov 16	May 22	
Lincoln 4 W 314996	Oct 29	Apr 6	
Macon Wayah Bald Mountain (WINE)	Oct 15	May 3	
Madison Marshall 315356	Oct 17	Apr 21	
Martin Williamston 1 E 319440	Nov 10	Mar 22	
McDowell Marion 2 Nw 315340	Oct 27	Apr 8	

County Weather Station ID	Average First Frost *	Average Last Frost *	Map **
Mecklenburg Douglas International Airport KCLT	Nov 11	Mar 23	
Mitchell Spruce Pine 2 Ne 318221	Oct 25	Apr 26	
Montgomery Sandhills Research Station JACK	Nov 21	Mar 21	
Moore Carthage Wtp 311515	Nov 13	Mar 21	
Nash Rocky Mount-Wilson Airport KRW	Nov 7	Mar 30	
New Hanover Wilmington 319461	Nov 23	Mar 15	
Northampton Jackson 314456	Nov 1	Apr 5	
Onslow New River MCAS KNCA	Nov 20	Mar 17	
Orange Chapel Hill 2W 311677	Nov 2	Apr 3	
Pamlico Bayboro 3 Sw 310576	Nov 17	Mar 22	
Pasquotank Elizabeth City 312719	Nov 12	Mar 31	

County Weather Station ID	Average First Frost *	Average Last Frost *	Map **
Pender Moores Creek Nb 315820	Nov 3	Mar 29	
Perquimans	No stations		
Person Roxboro 7 Ese	Oct 29	Apr 8	
Pitt Greenville 313638	Nov 6	Mar 26	
Polk Tryon 318744	Nov 6	Mar 30	
Randolph Asheboro 2W 310286	Nov 5	Mar 31	
Richmond Cognac Exp Farm 311913	Oct 30	Apr 4	
Robeson Lumber River Sp 315175	Nov 2	Apr 3	
Rockingham Spray 318196	Oct 30	Apr 8	
Rowan Rowan County Airport KRUQ	Nov 5	Mar 30	
Rutherford Forest City 8W 313152	Nov 10	Mar 22	

County Weather Station ID	Average First Frost *	Average Last Frost *	Map **
Sampson Horticultural Crops Research Stn CLIN	Nov 10	Mar 22	
Scotland Laurinburg 314860	Nov 8	Mar 26	
Stanly Albemarle 310090	Oct 28	Apr 7	
Stokes Danbury 312238	Oct 22	Apr 16	
Surry Mount Airy, 315890	Oct 19	Apr 19	
Swain Oconaluftee 316341	Oct 10	Apr 26	
Transylvania Lake Toxaway 2 Sw 314788	Oct 23	Apr 16	
Tyrrell Columbia Ag Gum Neck 311949	Nov 18	Mar 24	
Union Monroe 2 Se 315771	Oct 28	Apr 8	
Vance Henderson 2Nnw 313969	Oct 29	Apr 12	
Wake Raleigh State University 317079	Nov 13	Mar 25	

County Weather Station ID	Average First Frost *	Average Last Frost *	Map **
Warren Oxford Tobacco Research Station OXFO	Nov 15	Mar 27	
Washington Plymouth 5 E 316853	Nov 5	Apr 3	
Watauga Boone 1 Se 310982	Oct 17	Apr 26	
Wayne Cherry Research Station	Nov 9	Mar 28	
Wilkes W Kerr Scott Reservoir 319555	Oct 26	Apr 15	
Wilson Wilson 3 Sw 319476	Nov 10	Mar 25	
Yadkin Yadkinville 6 E 319675	Oct 24	Apr 14	
Yancey Celo 2S 311624	Oct 6	May 4	

* Based on all available data averaged on the [Climate Thresholds Tool](#) created by the NC Climate Office.
Calculated 7/11/2020.

** Maps from [Wikipedia](#)

For data from the weather station closest to your garden as well as graphs of the yearly total number of days below freezing and first and last frost dates visit the [Climate Thresholds Tool](#) and follow these steps:

Step 1: Select a Threshold

- **Parameter**: Temperature; **Statistic**: Low (Daily Minimum)
- **Criteria**: Less Than or Equal To; **Threshold**: 32 degrees F
- **Time Period**: Entire Period of Record (or whatever range you wish)
- **Year Type**: Aggregate by Snow Year (*August 1 to July 31*)
- **Filter Dates**: None

---> Click the "**Search**" button to be taken to Step 2

Step 2: Find a Station

- Select the station closest to your garden by double clicking one on the map; the station ID and lat/lon coordinates will be selected by default.

---> Click the "**View Results**" button

Step 3: Explore Data

- In the top right of the results / explore data output, you should see a text box titled "**Statistics**" --> average first and last days meeting that threshold (i.e. first and last frost / freeze dates since you chose a 32 degree Fahrenheit threshold) are located here
- In addition as you scroll down, the first graph depicts the number of days that the temperature dipped below freezing for each year of data and the second graph shows the first and last frost/freeze dates for each year in the station's period of record.

This information was compiled by Dr. Lucy Bradley and last updated 7/11/2020