

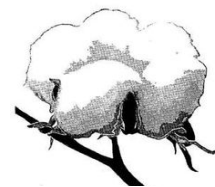
Jarette's Farm Journal

Jarette Hurry

January 2020



For more information regarding any of your farming needs, please feel free to contact the Bertie County Cooperative Extension Office at (252) 794-5317. Your questions and comments are important to us.



2020 BERTIE COUNTY PRODUCTION MEETING DATES

Regional Tobacco Gap Meeting	January 13 th – 9AM	Martin County Farmers Market
Bertie County Forest Landowners Meeting	January 23 rd – 6PM	Cashie Convention Center
Grain Crops Production Meeting	January 28 th – 11:30AM	Windsor Community Building
Cotton Production Meeting	February 5 th – 10AM	Windsor Community Building
<u>Mandatory</u> Auxin Herbicide Training	February 5 th – 1PM	Windsor Community Building
Peanut Production Meeting	February 10 th – 12PM	Windsor Community Building

Private pesticide applicators who will be applying auxin herbicides over-the-top of tolerant crops **are still required to complete auxin training annually.** Auxin training will be held on Wednesday, February 5th at 1PM after the Bertie County Cotton Production Meeting.

Bertie County Cotton Yield Contest

Any qualified cotton producers that farm in Bertie County and produce 50 or more acres of cotton are eligible and encourage to enter. Please drop off production information by January 23rd.

Peanut Yield Contest and 5000 lb. Club

2019 was a challenge in many ways but despite all that we had some really good peanut yields. Please take a few minutes and enter our yield contest. Each year the NC Peanut Growers and The Bertie Cooperative Extension recognize growers with top yields in our county, as well as growers averaging over 5000 pounds on all their production. This is based on the criteria below:

- *Growers must have a minimum of 25 acres of peanut production.
- *Any variety can be grown.
- *Yield is based on an individual's total production on all farms.
- *Growers farming in multiple counties submit entries in the county of their residence.
- *Yield documentation is required.
- *The winner is determined based on a point system, considering yield and acreage.
- *Growers must complete a production survey to be eligible.

Please stop by or give us a call at 794-5317 to enter. Entry deadline is January 27th.

Late January and Early February: Last Chance to Grow More Tillers

When evaluating your wheat crop check tiller density to determine Nitrogen needs.(formulas below)

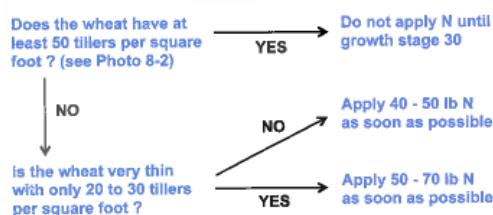
- Well tillered wheat that is showing some sign of N deficiency may respond to 15-30 pounds of nitrogen to help with tiller retention (consider adding nitrogen when making postemergence herbicide applications for winter annual weeds and Italian ryegrass).
- Poorly tillered wheat with about 20-30 tillers per square foot has low yield potential and should have 50-70 pounds of nitrogen fertilizer applied in late January or early February. A second application of nitrogen fertilizer should also be made at growth Stage 30.

A "tiller" is considered to be any stem that has three or more leaves. To determine tiller density, count well developed tillers disregard small tillers that have only one or two leaves. Don't be concerned with differences between the main plant and younger side tillers just count any stem with at least three leaves as a tiller. Do this in a yard of row. The formula is below:

$$\text{Tillers per square foot} = \frac{(\text{tillers per yard of row}) \times 4}{(\text{row width in inches})} \quad \frac{102 \text{ tillers} \times 4}{7.5} = 54.4 \text{ tillers per sq. ft.}$$

If you want to do less counting of tillers you can count tillers in a foot of row. The formula is below:

$$\text{Tillers per square foot} = \frac{(\text{tillers per foot of row}) \times 12}{(\text{row width in inches})} \quad \frac{34 \text{ tillers} \times 12}{7.5} = 54.4 \text{ tillers per sq. ft.}$$



Growth Stage 30: The Important time to Apply Nitrogen

Growth stage 30 is when small grains switch from producing tillers, to reproductive growth. Nitrogen at this stage of development is critical and larger amounts of N are needed to satisfy N requirements. A typical fertilizer application rate at growth stage 30 is 80 to 120 pounds per acre (minus what was applied in January or February). The calendar date when wheat reaches growth stage 30 is influenced by variety, planting date, and environmental conditions. Early varieties can reach GS 30 in late February while late varieties may not reach GS 30 until mid-March. The best way to tell if wheat is at GS 30 is to pull up several plants and split the stems down their centers all the way to the base. At GS 30 the growing point will have moved 1/2 inch up the stem see figure.

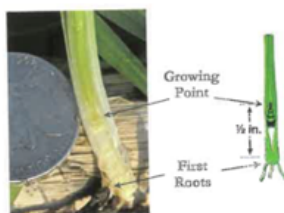


Figure 8-2. Wheat stem cross-section at growth stage 30. The growing point will be dark green, about 1/8-inch long, look like a tiny pine cone, and prior to growth stage 30 be at the very base of the stem next to the first roots. At growth stage 30 it will have moved 1/2 inch up the stem.

Control Italian rye grass and winter annual broadleaf weeds

There is ryegrass with multiple resistance to all of the postemergence herbicide options we have, (Axial, PowerFlex, Hoelon, and Osprey) this is why it is key to use preemergence herbicides in the fall. However, in our area I have seen postemergence applications of Axial at 16.4 oz provide the most consistent control of Italian Ryegrass (this is true if the biotype is susceptible to Axial). Harmony Extra SG can be tank mixed with Axial PowerFlex or Osprey for winter annual broadleaf weeds. (Consider adding a little nitrogen when making herbicide application to help with tiller retention).

Woodland Management Meeting

Plan now to attend our 3rd Annual Woodland Management meeting scheduled for Thursday, January 23, 2020 at the Cashie Convention Center. The meeting will begin at 6 p.m. with a sponsored meal. **Registration is requested by January 16th**, to assist with meal preparation. NC State Extension forestry team members Dr. Mark Megalos and Colby Lambert will address topics related to reforestation and funding available to assist landowners with reforestation. NC State Extension Agricultural and Resource Economist, Andrew Branan, Esq., will address responsibilities and liability considerations for woodland owners. Forest industry representatives will be on hand to discuss various products and services. A forest mill tour is planned with Enviva and possibly a visit to a forest management site on March 19, 2020. More information about this tour will be available at the Woodland Management Meeting on January 23rd.

Woodland Stewards Webinar Series

Join other woodland landowners throughout the southeast to learn how you can better manage your woodlands. This is a regional Extension course being offered in 4 sessions located at the Bertie County Council on Aging on Thursdays 7-8:30 pm February 6, 2020 through February 27, 2020.

Topic covered include:

Feb 6th – Woodland Management: What is right for you and your woodland

Feb 13th – Understanding the financial aspects of woodland management

Feb 20th – More than Timber: Income opportunities from Non-timber forest products

Feb 27th – Launching your woodland Legacy: Intact, In Forest and In Family Ownership



Billy Barrow
County Extension Director

Email – wbarrow@ncsu.edu
Office (252) 794-5317
Fax (252) 794-5375

North Carolina Cooperative Extension
Bertie County Center
104 Dundee St., PO Box 280
Windsor, NC 27983



Jarette Hurry
Agriculture Extension Agent

Email – jjhurry@ncsu.edu
Cell (252) 325-3091
Office (252) 794-5317
Fax (252) 794-5375

Visit us: www.bertie.ces.ncsu.edu



Bertie County Cooperative Extension

NC State University and N.C. A&T State University commit themselves to positive action to secure equal opportunity regardless of race, color, national origin, religion, political beliefs, family and marital status, sex, age, veteran status, sexual identity, genetic information or disability. NC State, N.C. A&T, U.S. Department of Agriculture, and local governments cooperating.