



Good Afternoon,

For the first Cattle Call of the year, I would like to wish everyone a Happy New Year and I hope that everyone's holiday season was enjoyable. Over the past couple weeks I have received several phone calls and emails about January's Cattlemen's Meeting. At the moment, we have ran into some scheduling conflicts and are working to sort things out. As we are already half way through January, what will happen is as follows. January's (previously December's) Cattlemen's Meeting will be rescheduled for late January or at some point during February. At which point the third meeting will be pushed back to March, leaving April's meeting unaffected. I appreciate your patience as we work through scheduling and will notify you as soon as a date and time have been finalized. As always if you have any questions feel free to reach out.

Thank you,

A handwritten signature in black ink, appearing to read 'Nathan Kiger'.

Nathan Kiger

Agriculture Agent – Field Crops & Livestock

E: nathan_kiger@ncsu.edu

P: 704.920.3317

Extension Cattle Call

Local Livestock Market – Rimertown

January 2019

To receive this publication regularly contact your local agent and ask to be added to the mailing list!

Find your local agent:

Nathan Kiger
Cabarrus County
704-920-3310

Cabarrus
Cattlemen's
Assoc.
Meeting

TBD: Please
see Cattle Call
Opening for
Additional
Information



FARM CREDIT
AGCAROLINA | CAPE FEAR | CAROLINA

2019 Winter Conference Series

"Effective Weed Management in Pastures and Hay Fields"

Featuring

Neil Rhodes, Weed Specialist University of Tennessee and

Kathy Voth, Livestock for Landscapes

Also local producer profiles, NCSU Extension Update,
trade show and much more!

Registration begins at 9:30 AM and the program from 10:00 AM—4:00 PM

January 22, 2019

WNC Regional
Livestock Center
474 Stock Drive
Canton, NC

January 23, 2019

Rowan County Center
2727 Old Concord Rd
Salisbury, NC

January 24, 2019

Granville Co. Expo and
Convention Center
4185 US-15, Oxford, NC

January 25, 2019

Mt. Olive University
Raper Hall
RB Butler Drive
Mt. Olive, NC

Launch will be
provided!!

Registration

Adults = \$25

Students = \$10

Online registration at the following website:

<http://www.nccattle.com/nc-forage-grasslands-council/events/winter-conference/registration>

Or call 919-552-9111

For more information: Teresa.Herman@ncagr.gov

Join NCFGC
at this meeting!!

Amazing GrazingTM
Pasture-Based Livestock Education Program

NC STATE
EXTENSION

USDA



CEFS
CENTER FOR ENVIRONMENTAL
FARMING SYSTEMS
NCSL | NCAAT | NCDARCS

Pesticide and
Animal Waste
Credits are
available at this
meeting

Southern Farm Show

The Southern Farm Show will be returning to Raleigh January 30th through February 1st 2019. With over 400 exhibitors, there is a lot to see! Free admission and parking!

**NC COOPERATIVE
EXTENSION**



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

How Do Newborn Baby Animals Stay Warm?

Glenn Detweiler, Livestock Agent, Catawba County

I have often contemplated how tough baby animals are when compared to human babies. Humans are completely helpless as babies and depend on someone else for everything. In these cold wet winter months we are experiencing, I have a greater appreciation for my warm dry home after coming in on a cold day. Have you ever wondered about the ability of baby calves, lambs, kids, or deer to stay warm when born in the winter months? They come into the world wet and lay on cold, sometimes wet, grassy fields. Some lay in damp hay or sawdust on the floor of a barn. They get up, fall down, get up again, and stumble around with no hands to guide them to their mother's milk. Their mother has only her tongue to lick them dry. So why don't these babies get sick and die? What are the mechanisms that keep these little ones warm in the first hours and days of life? Scientists have noted that the calf, lamb, kid, and deer tend not to shiver at all the first days after birth (hogs do not have this mechanism). Based on research, scientists have found that these young ones have large amounts of "brown fat" rather than "white fat." Brown fat is uniquely able to rapidly produce large amounts of heat through the activation of proteins in the fat. These proteins are stimulated by the nervous system, which is affected by the cold around the animal. This heat is produced by a chemical reaction and has been measured at 300 watts/kg compared to white fat producing only 1 watt/kg. The white fat can be compared to a light bulb in our house which produces light and a small amount of heat. Brown fat is like a heat lamp used in the bathroom to keep us warm when stepping out of the shower. Both of these are lights, but one produces much more heat than the other. Also, scientists have found that this brown fat tends to surround the body organs and especially around arteries at the heart thus heating the blood as it goes through the body. The question is, "How does brown fat get into the baby?" It's mother, of course! As livestock producers we need to provide the right nutrients for our brood cows to be able to provide good amounts of fat in her baby calf. Proper cow nutritional management means monitoring the cow during pregnancy which can be done using the Body Condition Scoring (BCS) method as described in last month's article. Target a BCS of 5 or higher at calving for optimum production for both cow and calf health. A cow with 3 ribs showing, would score a 5 on a scale of 1-9. Any cow that has more ribs showing, is scored lower. Cows scoring less than 5 will produce less colostrum, lower-quality colostrum, and less milk. Calves born to thin cows will be slower to stand and slower to nurse which causes lower antibody protection. For maximum passive transfer, calves should nurse within four hours. Although some absorption can occur during the first 24 hours, efficiency of antibody absorption decreases after the first 2 hours. Lower body condition will affect passive transfer, resulting in lower maternal antibody transfer and decreased neonatal calf resistance to disease. The calves of thin cows will tend to have diarrhea and have lower brown fat reserves in their bodies making them much more susceptible to cold stress. So as you sit by your fire in your warm house and think about the calves born in the barn, remember they have a wonderful mechanism to stay warm at birth if the mother has a BCS of 5 or 6.

If you missed the Area Beef Conference held in Wilkes County on January 3rd you missed out! It was a great meeting! Here are few things we learned: CIDR's can be used to help late calvers get rebred and tighten up your calving season, reproductive efficiency is hugely important (you need a live calf to sell and that cow is costing you money to keep), producers should manage beneath the soil line to improve what's above the soil line, and rotational grazing using polywire and step in posts can help you improve pasture productivity and herd health.



2019 ANNUAL MEETING AND SHORT COURSE

SAVE THE DATE

January 25th – Friday

7:45 am - Registration

8:00 am - Business Session

8:30 am - General Program

12:30 pm - Luncheon

**NC STATE UNIVERSITY – McKIMMON CENTER
1101 Gorman St. Raleigh NC 27606**

Sponsored by:

**NC Crop Improvement Association
NC Foundation Seed Producers
NC Seedsmen's Association**

www.nccrop.com

Contact Rita at rhelms@ncsu.edu or
919-515-2851 to pre-register for
meeting and lunch.

NC CROP IMPROVEMENT ASSOCIATION

Bill Foote Director
Dustin Auman Assistant Director
Henry Edmisten Seed Certification Specialist
Rita Helms Program Manager
Dianne Coats Accounting Technician

Directors

Matt Renfrow, Washington, **President**

..... Term 2 exp. 2020

Chuck Widney, **Vice President**

..... Term 2 exp. 2019

Kelly Bennett, Bladenboro Term 1 exp. 2019

Clay Gardner, Angier Term 2 exp. 2019

Archie Griffin, Washington Term 1 exp. 2020

Jason Hinton, Zebulon Term 2 exp. 2020

Sue Leggett, Nashville Term 2 exp. 2021

Dean Vandemark Term 1 exp. 2021

Kevin Roberts, Hertford Term 2 exp. 2021

Paul Sodoma, Leland Term 1 exp. 2020

Terrell Williams, Autryville Term 1 exp. 2021

NC FOUNDATION SEED PRODUCERS

Daryl Bowman Manager

Don Baker Production Manager

Steve Brown Warehouse Manager

Charles Barnes Production Specialist

Trustees

Billy Barrow, Aulander, **President** Served 6 yrs.

Dave Sawyer, Greenville, **Vice President**

..... Served 12 yrs.

Dwight Lowder, Albemarle, **Secretary/Treasurer**

..... Served 12 yrs.

Ronnie Clark, Williamston Served 9 yrs.

Jimmy Jones, Bailey Served 8 yrs.

A.O. Roberts, Hertford Served 8 yrs.

Walt Gerard, Washington Served 10 yrs.

NC SEEDSMEN'S ASSOCIATION

OFFICERS

Will Tankard, Holly Springs President

Mark Simmons, Suffolk, VA 1st Vice President

Kevin Roberts, Hertford 2nd Vice President

Dianne Coats, Garner Secretary-Treasurer

PROGRAM



90th

Annual Meeting

NC Crop Improvement
Association

74th

Annual Meeting

NC Foundation Seed
Producers, Inc.

NC Crop
Improvement
3709 Hillsborough St
Raleigh, NC 27607
Phone: 919.515.2851
Fax: 919.515.7981
nc_cia@ncsu.edu
www.nccrop.com



January 25, 2019

McKimmon Center
NC State University
Raleigh, NC

ANNUAL MEETING AND SHORT COURSE NCCIA – NCFSPI – NCSA FRIDAY, JANUARY 25, 2019

SCHEDULE OF EVENTS

7:45 REGISTRATION

..... McKimmon Center Lobby

8:00 BUSINESS SESSIONS

(Open to Everyone) McKimmon Center
Foundation Seed Producers

..... **Billy Barrow**
Foundation Seed State of Affairs

..... **Dr. Daryl Bowman**
Crop Improvement Association

..... **Matt Renfrow**
Crop Improvement State of Affairs

..... **Bill Foote**

RECESS

8:30 GENERAL PROGRAM

Presiding: **Matt Renfrow**
Seed Situation - Southeast .. **Dustin Auman**
IPM for Stored Grain and Seeds

..... **Gordon Morrison**
Guava Root Knot Nematode Quarantine and
Implications..... **Dr. Alexander Stewart**

10:30 RECESS

Seed Storage Pests and Their Control

..... **Dr. Daryl Bowman**
Christmas Tree Breeding

..... **Dr. John Frampton**

12:30 LUNCHEON

Presiding: **Billy Barrow**

Speaker: **Trey Davis**

Remarks:..... **Will Tankard**

Award Presentation: **Bill Foote**

ADJOURN

SPEAKERS:

Dustin Auman, Assistant Director, NC Crop Improvement Association, has served Crop Improvement since 2005. Dustin will review the seed situation in the southeastern states.

Dr. Daryl Bowman received his PhD from LSU in plant breeding with an emphasis on entomology and statistics. His presentation will cover storage pests, their sources, the problems they cause, factors influencing pests, and management strategies.

Gordon Morrison, Bayer, Food Safety Manager US, Morrison graduated from the University of New Brunswick with a Bachelor's Degree in Science and has more than 40 years' experience in the professional pest management and food protection industry. Gordon has been with Bayer (and legacy companies) for 27 years, managing the Maxforce Insecticide line and more recently, Bayer's Vector control business. Gordon's talk will cover Stored Grain insecticide formulations, insecticide active ingredients, stored grain market overview, non-chemical control methods, and resistance management.

Dr. Alexander Stewart, NCDA&CS Assistant Commissioner, oversees Agronomics, Plant Industry, Soil and Water, Research Stations, Marketing, Small and Minority farms, and Environmental Programs for the Department. He previously served as Director of Research Stations and as an Extension Specialist on the faculty at NC State and LSU. Dr. Stewart will bring us up to date on the Guava Root Knot Nematode and what impact it will have on the seed industry.

Dr. John Frampton, NCSU Professor and Leader, Christmas Tree Genetics Program. Dr. Frampton introduced NC Crop Improvement to its latest certified seed crop, Fraser Fir. Dr. Frampton's latest Fraser Fir seed orchard, grafted in 2018, is the result of the collaboration of at least two generations of Christmas tree breeders. John will be presenting the history of NC Christmas tree improvement program, tree breeding techniques and methodology, and recent breakthroughs.

Luncheon Speaker:

Trey Davis, Government Affairs, Bayer CropScience, Trey handles state and local government affairs in the Southeast U.S. Prior to this role, he spent eight years with Virginia Farm Bureau governmental relations. He was raised on his family's corn and soybean farm in eastern Virginia and obtained his bachelors from Virginia Tech and MBA from Virginia Commonwealth University. Trey will be providing an overview of local, state, and federal legislative challenges to our industry.

PESTICIDE TREATMENT CREDIT

3 hours credit – D M N O X

Sign up in the back of the room
at the end of the meetings.



RESEARCH STATIONS DIVISION
Working Together for One Cause
NC DEPARTMENT OF AGRICULTURE
NC STATE UNIVERSITY



AGENDA

(AFTERNOON SESSION, for producers ONLY)

Forage Recovery Plan 2019 – Winter Conference

Management Strategies for Early- and Late-Plantings of Cool-Season Forages in North Carolina

13 Feb. 2019, 2:00 to 6:00 pm

NCDA&CS Piedmont Research Station, Salisbury, NC

([8530 Sherrills Ford Rd, Salisbury, NC 28147](https://www.ncda.ncsu.edu/locations/piedmont-research-station))

2:00 pm	Registration and visit with sponsors.
2:15 pm	Welcome and Remarks
2:20 pm	Visit to forage variety and research plots
3:00 pm	Update on forage variety plots (productivity and weed infestation) for tall fescue and orchardgrass, and ryegrass, alfalfa, and alfalfa-grass mixtures plots – Miguel S. Castillo, NCSU
3:20 pm	Matching forage nutritive value of cool-season forages with livestock (beef, dairy, horses, and small ruminants) needs – Deidre Harmon, NCSU
3:40 pm	Biology and ecology of cool-season weeds that compete during establishment and maintenance of cool-season annual and perennial forages – Ramon Leon, NCSU
4:20 pm	Break and visit with sponsors
4:40 pm	Herbicide options to control weed competition during establishment and maintenance of cool-season annual and perennial forages – Fred Yelverton, NCSU
5:20 pm	Closing remarks
Instructors:	Miguel Castillo (Forage and Grassland Management, NCSU) Deidre Harmon (Extension Livestock Specialist, NCSU) Ramon Leon (Weed Biology and Ecology, NCSU) Fred Yelverton (Turf and Forage Weed Management, NCSU)

For details, contact Extension Offices: [Alexander](#), [Cabarrus](#), [Caldwell](#), [Davidson](#), [Iredell](#), [Rowan](#), and [Wilkes](#).

Pesticide credit-hours (2 hours; O, X, D, N)

REGISTRATION FOR ON-SITE AND ON-LINE ATTENDANCE REQUIRED (Free). Limited to 50 participants. Click to [REGISTER HERE](#).

2019 Schedule for Auxin Stewardship Training

Date	Time	Day of week	County	Specific Location	Preregistration Required
Jan 15	11 AM	Tues	Pitt	Pitt Co. Ext. Center, 403 Government Circle, Suite 2, Greenville, NC	Yes, call (252)902-1709
Jan 15	1 PM	Tues.	Caswell	Caswell Co. Civic Center, 536 Main Street East, Yanceyville, NC	
Jan 18	1 PM	Fri.	Beaufort	Chocowinity Fire Dept., 512 NC HWY 33 East, Chocowinity, NC	
Jan 22	9:30 AM	Tues.	Davidson/Randolph/Chatham	Snyder Farm Restaurant, 2880 Beckerdite Rd., Sophia, NC	Yes, Contact Davidson County Ext. at (336)242 -2080
Jan 25	1 PM	Fri.	Hyde	Ponzer Community Bldg., 39111 US HWY 264, Belhaven, NC	
Jan 28	11 AM	Mon.	Cleveland	Cleveland Co. Ext. Office, 130 S. Post Rd., Shelby, NC	
Jan 28	2 PM	Mon.	Catawba	Catawba Co. Ext. Office, 1175 S. Brady Ave., Newton, NC	
Jan 28	5 PM	Mon.	Rowan/Iredell	Rowan Co. Ext. Center, 2727-A Old Concord Rd., Salisbury, NC	
Jan 30	12 PM	Wed.	Southern Farm Show	NC State Fairgrounds, Holshouser Bldg, 1025 Blue Ridge Rd., Raleigh, NC	
Jan 30	1 PM	Wed.	Tyrell	Green Valley Farms, 7014 NC HWY 94, Columbia, NC	
Jan 31	1 PM	Thurs.	Lenior	Lenior Co. Ext. Auditorium, 1791 HWY 11-55, Kinston, NC	
Feb 11	12:45 PM	Mon.	Nash/Wilson/Edgecombe	Rocky Mount Farmers Market, 1006 Peachtree St. Rocky Mount, NC	
Feb 12	1:30 PM	Tues.	Stanley	Stanley Co. Agri-Civic Center, 26032 Newt Rd., Albermarle, NC	
Feb 13	9 AM	Wed.	Bertie	Windsor Community Bldg., 201 South Queen Street, Windsor, NC	
Feb 13	3 PM	Wed.	Martin	Martin Co. Farmers Market, 4001 W Main St. Ext., Williamston, NC	
Feb 14	11 AM	Thurs.	Wayne	Maxwell Center, 3114 Wayne Memorial Dr., Goldsboro, NC	
Feb 14	3 PM	Thurs.	Jones/Craven/Carteret	Jones Co. Civic Center, 832 NC HWY 58, Trenton, NC	
Feb 15	11 AM	Fri.	Hertford	Hertford Co. Ext. Center, 301 W Tryon St., Winton, NC	Yes, call (252)358-7822
Feb 15	3 PM	Fri.	Halifax	Halifax Co. Ext. Center., 359 Ferrell Lane, Halifax, NC	
Feb 18	1:00 PM	Mon.	Guilford	Guilford County Ag Center, 3309 Burlington Rd., Greensboro, NC	
Feb 18	1:30 PM	Mon.	Yadkin	Yadkin County Ext. Center, 2051 Agricultural Way, Yadkinville	
Feb 21	1 PM	Thurs.	Lee	Lee Co. Ext. Center, 2420 Tramway Road, Sanford, NC	Yes, contact Rhonda Gaster at 919-775-5624
Feb 21	4 PM	Thurs	Richmond	Richmond Co Ag. Services Center, 123 Caroline St., Rockingham, NC	Yes, call (910)997-8255
Feb 22	11 AM	Fri.	Robeson/Hoke/Scotland	Robeson Co. Ext. Center, 455 Caton Rd., Lumberton, NC	Yes, call (910)671-3276
Feb 25	1 PM	Mon.	Cumberland	Cumberland Co. Ext. Center, 301 E Mountain Dr Fayetteville, NC,	Yes, Contact Anthony Growe at (910)321-6875
Feb 26	11 AM	Tues.	Camden/Currituck/Pasquotank	Currituck Co. Ext. Center, 120 Community Way, Barco, NC	
Feb 26	3 PM	Tues.	Chowan/Gates/Perquimans	Leon Nixon's Catering, 749 Virginia Rd., Edenton, NC	
Feb 28	1 PM	Thurs.	Sampson	Sampson Co. Agri Expo Center, 414 Warsaw Rd., Clinton, NC	
Mar 1	9 AM	Fri.	Northampton	J.W. Faison Auditorium, 9495 HWY 305 Jackson, NC	
Mar 5	1 PM	Tues.	Onslow/Pender	Onslow Co. Multipurpose Complex (Ext. Office), 4024 Richlands HWY, Jacksonville, NC	Yes, Contact Kate at (910)455-5873
Mar 5	6:30 PM	Tues.	Johnston	Johnston Co. Agriculture Center, 2736 NC 210, Smithfield, NC	
Mar 7	9 AM	Thur.	Union	Union Co. Ext. Center, 3230-D Presson Road, Monroe, NC	
Mar 8	10 AM	Fri.	Washington	Vernon James Research Center, 207 Research Rd., Plymouth, NC	
Mar 18	11 AM	Mon.	Wake	NC State Fairgrounds, Martin Bldg., 1025 Blue Ridge Rd., Raleigh, NC	
Mar 21	2 PM	Thurs.	Vance/Warren/Granville/Person/Franklin	Vance Co. Regional Farmers Market, 210 Southpark Dr., Henderson, NC	Yes, go to http://go.ncsu.edu/auxinvance
April 10	11 AM	Wed.	Wake	NC State Fairgrounds, Martin Building, 1025 Blue Ridge Rd., Raleigh, NC	
April 10*	12 PM*	Wed.*	Wake*	NC State Fairgrounds, Martin Building, 1025 Blue Ridge Rd., Raleigh, NC*	*Training Delivered in Spanish
May 7	11 AM	Tues.	Wake	NC State Fairgrounds, Martin Building, 1025 Blue Ridge Rd., Raleigh, NC	