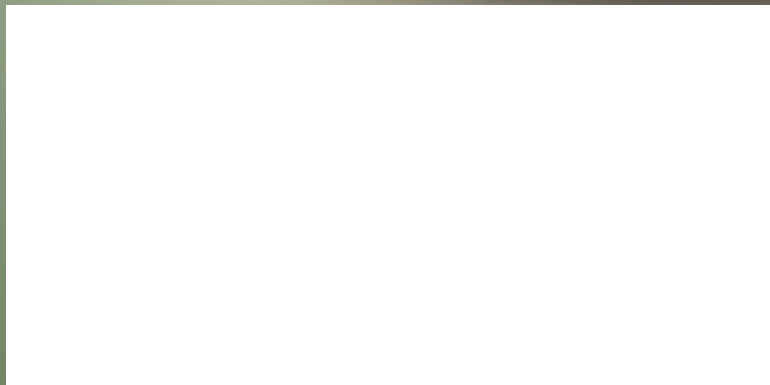


NORTH CAROLINA ANGUS NEWS

Summer 2016



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From Sharon's Desk...

Spring has sprung and it feels like summer is here to stay. Luckily as I write this article we have had adequate rainfall so far and our pastures are continuing to be productive. Let's hope that holds out for the summer months to come.

What a busy time it has been for the NC Angus Association. The 33rd Annual Spring Fever Sale was held on the first Saturday of May. It was a beautiful day and lots of buyers came out to support the sale. As many of you know this was the first Spring Fever Sale totally managed by the NCAA. A special thank you to all the sale committee members for working so hard to make the event a success. Also thanks to Brooke Harward and Mark Wilburn for their outstanding job in compiling our sale catalog. As always Joe French and his staff at the Upper Piedmont Research Station assisted with the sale and helped it to run smoothly. The combined efforts of so many people allowed us to not only manage the sale successfully but we were able to greatly decrease the overall sales expenses letting our consignors take home more dollars for their cattle. Several other sales were also held this spring adding some outstanding Angus genetics to many herds across our state and the country. Speaking of NCAA sales, the Down East Sale will be held Saturday, November 5th in Clinton. Now is the time to start selecting

your consignments. Find all the consignment guidelines and forms on our website ncangus.org.

The NC Junior Angus Association held their State Show this spring, be sure to check out the winner's pictures in this edition. The juniors have also participated in lots of other shows this spring and they are gearing up for the Eastern Regional and Nationals. We wish them luck and safe travels this summer!

Save the dates of July 29 & 30 for the NCAA tour and field day. This year we will be traveling to the southern Piedmont region of our state in the Stanly County area. Plans are underway for farm tours on Friday along with a featured speaker Friday evening. The Saturday field day will be held at the Stanly County Livestock Market owned and operated by Marcus Harward and his family. The program will be "Improving the Beef Industry: One Angus Bull at a Time." Attendees will gain knowledge in bull selection, feeder calf quality evaluation and how these two work so closely together. Watch for more details on our website ncangus.org. Hope to see you all there.

Sharon Rogers
NCAA Executive Secretary

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7.125 x 9.8125		8.125 x 5.406		4.0625 x 5.4252	
Full page (color)	\$400	1/2 page (color)	\$200	Business card (b/w)	\$75
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Contact the North Carolina Angus Association for more details on article submission and advertising.
NCAA • Sharon Rogers • 336-599-8750 – email: ncaa.sec@gmail.com

President's Message

John Smith, NCAA President



Hello to all members of the NC Angus Association. The winter rains and cool spring have delayed the growth of our hay crops. We will miss at least one cutting of hay down here, so I hope things are better in your part of the state.

I would like to congratulate the Spring Fever committee for a job well done. They were able to attract some new consignors as well as bringing back some former consignors for the sale to present a great group of cattle. This excellent set of cattle should go out and improve the herds of the buyers at this year's sale. I am looking forward to the 2017 event.

The next NCAA sponsored sale will be the Down East Sale in Clinton, NC on November 5, 2016. We need consignors from across the state and now is the time to start identifying your consignments. You can download the consignment forms from our website, www.ncangus.org.

The field day committee is hard at work putting together our farm tours and field day. The two day event will take place on July 29th and 30th in the Stanly County area. Make your plans to attend now. See you at the Field Day.

2016 Schedule of Events



June 30.....	Mountain Research Station Field Day Waynesville, NC
July 3-9.....	National Junior Angus Show Grand Island, NE
July 13 - 16.....	NCBA Summer Conference Denver, CO
July 29 & 30.....	NCAA TOUR & FIELD DAY Stanly County
August 6-7.....	SC Junior Beef Round Up Clemson, SC
September 9-18.....	NC Mountain State Fair Fletcher, NC
September 30-October 9.....	Dixie Classic Fair Winston-Salem, NC
October 13-23.....	NC State Fair Raleigh, NC
October 29.....	Yon Family Farms Ridge Spring, SC
November 5.....	NC Angus Down East Sale Clinton, NC
November 5-7.....	National Angus Convention & Trade Show Indianapolis, IN
December 3.....	Partners Bull Sale Rocky Mount, NC
December 3.....	Union County Performance Tested Bull Sale Monroe, NC
December 16.....	NCBCIP Butner Bull Test Sale Oxford, NC



North Carolina Angus Association Membership Form

North Carolina Angus Association Inc.

\$50 Regular Membership (All Paying Members -
Purebred and/or Commercial)

Name

Farm Name

Address

City

State Zip

Phone Mobile

Email

Website

Return form along with \$50 membership dues to:
NC Angus Association
Sharon Rogers, 945 Woodsdale Rd, Roxboro, NC 27574

American Angus Regional Manager Update

Dear Angus Breeder,

I hope everyone had a great Memorial Day weekend, remembering those who served and are currently serving in our military. May ended the spring sale season for Region 1, and I hope everyone was able to buy bulls and plenty of females, if you were in the market to buy. However, I do still know of cattle available for private sale, if you are interested.

As farmers, we can sometimes have a short memory when it comes to prices, which I fully admit I can be guilty of at times. That's an important reminder when it comes to analyzing this year's sale season. Although prices this spring were down compared to last year, it's important to keep perspective.

In the spring of 2014, there were 625 reported bulls sold in Region 1, averaging \$3,731. In the spring of 2016 there were 699 bulls, sold for an average of \$4,125, which would be a 9.6% price increase over 2014. With female lots, the percentage increase between 2014 and 2016 is even larger. In the spring of 2014, there were 679 reported female lots sold in Region 1, averaging \$3,574. While in the spring of 2016, there were 663 reported female lots sold for an average of \$4,473. This would be a 20.1% price increase over 2014. The Angus breed is certainly in a strong position going forward.

Thank you for submitting your delegate nomination forms to the American Angus Association. Once ballots

are all received every qualified nominee will be included on their state ballot. In accordance with the Association's bylaws, forms were mailed prior to April 11 to every eligible voting active life and regular Association member to nominate delegates to the annual meeting. Each eligible voting member is allowed to nominate one eligible voting active life or regular member who resides in the same state or district, including himself or herself. An important reminder, the State ballots will be mailed to the membership in July to vote for the final slate of state delegates, and the Annual Convention of Delegates will take place Monday, November 7, during the Angus Convention in Indianapolis, Indiana. Online registration for the convention will begin July 1, and further information will be available at www.angusconvention.com.

Please do not hesitate to contact me if you ever have any questions or need assistance. I hope to see many of you during upcoming shows and summer events.

Take care,

Chris Jeffcoat
Regional Manager
282 Saint Lukes Rd.
Littlestown, PA 17340
Mobile: 717.476.1496



The Down East Angus Sale

Saturday
November 5, 2016

*Sampson County Livestock
Arena - Clinton, NC*

Consignment forms are available online at ncangus.org or you may contact the NCAA office 336-599-8750 to request a copy. This sale is open to registered Angus and Angus influenced females & bulls.

Contact - Roy Outlaw - Sale Manager,
919-222-9788 or outlawangus@yahoo.com,
for more information

Consignments must be received by
AUGUST 15, 2016

Windy Hill Farms hailed for conservation efforts

By Larry Penkavalpenkava@courier-tribune.com

Twitter: @larrypenkavaCTRAMSEUR



Mike Moss

Michael Moss has taken on the challenge of producing more food with a finite amount of farmland. And he's protecting the environment in the process. For his efforts, the Randolph Soil and Water Conservation District has recognized Windy Hill Farms as the 2016 Conservation Farm Family of the Year. In 2000, Moss took over a farm south of Ramseur that was "falling apart" and built it into a modern facility raising registered Angus seed stock cattle to sell to breeders. In the process, Moss has instituted measures to protect Mill Creek and other tributaries of Deep River from waste. The farm was once a dairy, then later beef cattle were raised on the acreage. When Moss purchased the property, he discovered termites eating away at the barns and pasture gates held together by wire. "It was a work in progress and needed TLC," he said. One of the issues that concerned him was cattle in the creeks, allowing cow waste to continue downstream into Mill Creek and, ultimately, to Deep River and beyond. The answer was fencing to keep cattle out of the creeks, about 1.5 miles worth over

cows once a year with the goal of matching the best genomic blood lines. They have two attempts at getting pregnant. The resulting calves are for his customers. "My goal is to have the top bulls and cows in this area to supply my customers, and do it on a farm that's sustainably run," Moss said. Another area of conservation involves pasture grasses. Moss rotates pastures to prevent overgrazing. That involves partitioning pastureland into 21 paddocks ranging up to 15 acres. Moss said he moves cattle to fresh pastures every two weeks. Traditionally, local grasses here are Kentucky 31 fescue, which Moss has maintained on part of the farm. He has also planted Texoma fescue, which is not toxic to the cattle. Cheyenne Bermuda grass is used for summer grazing. The paddocks are aligned to meet at central hubs, where cattle can be moved from one pasture to another. Moss has left trees at the edge of pastures to provide shade. Moss said the Natural Resources Conservation Service (NRCS) of the U.S. Department of Agriculture has provided him with suggestions for conservation practices, including protection of creeks from waste runoff and pasture design. Moss has built a working facility under a roof that he uses to lead cattle in for data testing or loading onto trailers.



More Than An Angus Farmer - Michael Moss isn't satisfied just to raise seed cattle for Angus producers. He's also dedicated to increasing the quality of the product while protecting the environment.

the 212 acres. While the stream water quality was enhanced, the cattle still needed sources of water. To solve that problem, Moss ran more than two miles of water lines to 19 watering stations, providing the animals with cool, clear water to drink. He has also installed mineral feeders for the cattle to get needed nutrients not provided by pasture grasses. A Mississippi native, Moss grew up on a farm that raised beef cattle, cotton and corn. He graduated from Mississippi State University and earned his Ph.D. from N.C. State University. After spending time at the University of Florida, he took a job at what is now Syngenta, which has a facility in Greensboro. Although his job requires that he travel a great deal, Moss lives and works at the farm when he's off duty. He gets some help from his son Will. Windy Hill Farms has about 85 cows and heifers, more than 50 weaned calves and two bulls. "The goal is quality rather than numbers," Moss said. "I sell to other people to use as breeders. They sell to stockyards and meat brokers. "If I produce a quality bull, that goes on down to the cattle producer," he said. Moss takes blood samples from the cattle for genomic analysis to find the best animals. He takes data at six months and one year from each of his seed cattle. "It tells how good a calf has performed. "On the farm, Moss artificially inseminates his

It's a maze-like system of gates that usher animals to where he wants them to go without fear of injury. For Moss, it's all about the challenge of worldwide food security. He quoted the World Health Organization (WHO) as projecting that the earth's population would grow by another 3 billion people by the year 2050. "The question is how to produce enough food and fiber for the challenges ahead," he said. Moss thinks the answer lies in agricultural practices that protect resources while producing more food on fewer acres. That is why he uses genomics in breeding his seed cattle - to produce more beef. Moss said his challenge is to change the makeup of calories more toward protein. "Food security is an important humanitarian issue," he said. "Agriculture is a key to political stability. If a government doesn't feed its people, the government is at risk." Moss said he believed the Arab Spring - when Middle Eastern populations demonstrated against their governments - resulted when "food prices increased. People who are hungry will revolt." And so he strives to do his small part for the world at large.

*Article and photos courtesy of Larry Penkava,
The Courier-Times, Asheville, NC*

Summer 2016

NORTH CAROLINA ANGUS NEWS

What's Cooking at CAB

by the culinary staff at Certified Angus Beef LLC

Chef Michael's top five grill tips

Maintain your grill, use the best beef and pay attention to degrees of doneness. Never stab or poke your steak with a fork. And quit turning it over and over and over. What else do you need to know for a great grilling season? Chef Michael Ollier's tips will elevate your technique from good to gourmet.

Steaks from good to great

1. Make it and baste it. One of my favorite tips is an idea borrowed from *Serious Barbecue* expert, Chef Adam Perry Lang. When grilling, gather your favorite fresh herbs (like rosemary or parsley), tie to the end of a stick with kitchen twine, and use his featured "brush" to baste the meat with a favorite sauce or garlic butter. This rustic technique lends a gentle herb taste that will enhance, rather than overpower, the beef.

2. Don't cook off the benefits of extra virgin olive oil. I prefer to use regular cooking oils like canola or peanut oil on steaks when grilling. The smoke point is lower on olive oil, and it burns away more quickly. Canola can handle the higher heat much better.

3. Fix the burger. To maintain a round burger when grilling, create a "well" in the middle when forming the patty. Ground beef puffs up in the center when it cooks, because juices rush to the middle and the outside retracts. For even patties that maintain a large, round shape, create an indentation in the center before you grill.

4. Keep it clean. Save time and additional work by using crumpled aluminum foil to clean the grates of your grill. In between grilling sessions, just grab



Chef Michael Ollier

the tongs and a crumpled ball of foil. Use it just like a grill brush and then toss the foil when finished. Simple.

4. Keep it clean.



5. Cast-iron cooking. Cast iron holds heat, so it's great for the grill. Put the pan on when you're preheating the grill. It's great for containing things that would fall through the grates — potatoes, onions or other vegetables. You can also cook steaks in this manner. Why would you do such a thing? Because grill marks are nice, but a great crust will always trump cosmetic effect. The crust on the outside of the steak ensures the flavorful juices are sealed inside.

AJ

Grilled Ribeye Steak with Classic Steak Butter

Ingredients:

4 (10-oz.) CAB® ribeye steaks
½ lb. unsalted butter, softened
1 Tbs. roasted garlic
1 Tbs. kosher salt
1 tsp. freshly ground black pepper
1 tsp. finely chopped shallots
1 tsp. finely chopped fresh parsley
1 tsp. finely chopped fresh sage
1 tsp. finely chopped fresh rosemary
Salt and freshly ground pepper to taste

Instructions:

1. Thoroughly combine softened butter with garlic, salt, pepper, shallots, parsley, sage and rosemary. Roll with plastic wrap into a log shape 1 inch in diameter. Refrigerate 2 hours or until butter is solid. (Note: Recipe will yield 16 butter servings; reserve 12 for later use.)
2. Season steaks with salt and pepper. Grill to desired doneness. Cut butter into ¼-inch slices and serve over steaks.

Serves 4.



Grilled ribeye steak with classic steak butter

33rd NORTH CAROLINA Spring Fever Angus Sale ANNUAL

The 33rd Annual North Carolina Angus Spring Fever Sale was held the first Saturday in May and what a great day to be in the Angus business. The Upper Piedmont Research Station in Reidsville, NC has served as the location for the sale for many years and it is a fine location to see all the consignments out in the pens enjoying the grass. Over sixty lots were sold for a sales gross of \$210,205. For the first time in its thirty-three year history the sale was solely managed by the NC Angus Association. The sale committee of Mark Wilburn, Brent Scarlett, Daniel Wall, Brooke Harward, Mike Moss, Randall Smith, Jeff Wood and Joe French did an exceptional job of getting all the consignors and cattle ready for the day's big event.

Despite the rainy days earlier in the week,



Lot 62 Miss Oakview Impression 210 consigned by Five Star Farms.

Saturday, May 7, was a bright, beautiful sunny day and people began to arrive early to view the cattle and to visit with their fellow Angus cattle enthusiasts from all across the state. A special thank you to the North Carolina Junior Angus Association for preparing lunch for the event and to the North Carolina Angus Auxiliary for decorating the sale ring.



Buyers looking over the sale offering.

Females showcased in the sale included: fall and spring pairs, bred heifers, open heifers and embryo packages. The fall pairs with fancy heifer and stout bull calves are always the highlight of the sale and this year was no exception. The top-selling fall pair, going for \$7,800, was Lots 1 and 1A consigned by Go-forth Angus of East Bend, NC. Lot 1, BAF Lady Diva 2978, was a SAV Brilliance 8077 daughter bred to RB Tour of Duty 177. She sold to Propst Farms of Concord for \$6,200. Her herd sire prospect bull calf, an EXAR Denver 2002B, son went to Second Creek Farms in Denton for \$1,600. Panther Creek Farms of Pink Hill, NC, consigned Lots 7 and 7A, the high-selling pair with a heifer calf for \$5,700. Silver Springs An-

gus of Norwood purchased Lot 7, Springfield Gammer 9035, a B/R Ambush 28 daughter bred to Quaker Hill Rampage. Her September heifer calf, PCF Gammer 512 of 9035, sold to Running Branch Farm of Dunn, NC. Long-time sale consignor Oakview Angus consigned Lots 10 and 10A selling for \$5,500. Allen Farms of Polkton, NC, purchased the cow, Miss Oakview Nicholas 712, a Nichols Extra K205 daughter; her heifer calf went to Bear Swamp Angus of Faison, NC. Returning to the sale this year was Gentry Homeplace Angus with their Lot 5 and 5A consignment selling for \$5,400. Lot 5A, a SydGen Black Pearl 2006 daughter, was one of the high-selling heifer calves going to Panther Creek Farms. Lot 5, Gentry Blackcap 1124, a KCF Bennett Performer female, sold to Andy Smith of Monroe, NC. The fall cow/calf pairs averaged \$4,202 for seventeen pairs.



This little guy is starting early to develop his Angus herd.

The high-performing group of bred heifers was led off by the high-selling Lot 22, Scarletts Rita 4US30, consigned by Scarlett Farms of Snow Camp, NC. Lot 22 was an EXAR Upshot 0562B daughter bred to calve to VAR Generation 2100, selling for \$5,600 to Roads End Farm of Troy, NC. Bridges Beef Cattle of Shelby and Uwharrie Ridge Farms of Asheboro each consigned the second high-selling bred heifers for \$5,000. The Bridges' Lot 21 female was sired by AAR Ten X 7008 SA and safe in calf to SAC Conversation. Lot 21 sold to Lundberg Angus of Fort Scott, KS. Lot 33, URF Miss 1422, from Uwharrie Ridge, sold to Roads End Farm. She was a Connealy Final Product sired heifer bred to KCF Bennett Homestead. Three other outstanding bred heifers, Lots 27, 32 and 45, each sold for \$4,100. Lot 27, EBS Miss Key 6099-434, a SydGen CC&7 daughter consigned by EBS Farms of Polkton sold to Bruce Cuddy of Albemarle, NC. Lot 32, SSA Burgess 018 of 1335&263C, whose grandam was the great Partisover Burgess 108, sold to Got Angus Cattle Co. of Sevierville, TN. Lot 45, a WHS Limelight daughter consigned by Oakview Angus, sold to Fowler Family Farms of Stanfield, NC. Thirty-two bred heifers averaged \$2,960.

Wood Angus Farm of Willow Spring consigned the top-selling spring pair. Lot 57, Wood Emblynette 325, a SAV Priority 7283 daughter, sold with her April bull calf sired by Wood Capone 2300 to Rock Spring Angus, Lexing-

Sharon Rogers, Executive Secretary NCAA

ton, NC for \$3,700. The top-selling bred cow, Lot 62, was consigned by Five Star Farms of Greensboro. A Connealy Impression daughter, Miss Oakview Impression 2100, sold bred to KCF Bennett Absolute. Lot 62 sold to Timmons Farm in Orrstown, PA for \$3,200.



Steve McPherson studying the fancy Elite Heifers.

The top-selling open heifer was Lot 64 consigned by Shade Tree Farm of Lenoir, NC, STF Bismarck Lady 503, a fancy fall born heifer calf sired by SAV Bismarck 5682 out of a Rito 616 of 4B20 6807 dam, selling to Highlands Farm of Morganton for \$2,400. Silver Spring Angus consigned Lot 66 and Lot 63. Lot 66, a GAR Prophet daughter, sold to Blue Q Ranch of Troy, NC for \$2,300. Bear Swamp Angus purchased Lot 63, the RB Tour of Duty 177 heifer calf for \$2,200. Ten open heifers averaged \$1,845.

Embryo packages were sold by Five Star Farms and Uwharrie Ridge Farms. The Lot 62E embryos were purchased by 4K/Tarheel Angus of Siler City. These embryos were by AAR Ten X 7008 SA and the Lot 62 Miss Oakview Impression 210 female. The Lot 70 Uwharrie embryos were a mating of SydGen Missy 9813, a SydGen Contact daughter and EF Commando 1366. Lot 70 sold to Roads End Farm.

Volume buyers were Bear Swamp Angus, Blue Q Ranch, Running Branch Farm, Propst Farm, Roads End Farm and Eddy Lee Messick. Thank you to these and all the buyers for supporting the sale.

Thanks also to Donna Outlaw, Linda Hicks, Suzanne Brewer, Chris Jeffcoat, Joe Hampton, Bruce Shankle and Neil Bowman for helping to work the sale. A special thank you to Joe French and his staff at the Research Station for all the work they do to get everything ready before, during and after the event.



Mr. Bobby Aldridge looking over the cattle in the sale.

Please make plans to join us for the 34th Annual North Carolina Angus Association Spring Fever Sale on Saturday, May 6, 2017.

Summer 2016

NORTH CAROLINA ANGUS NEWS

Thanks to All for Joining us at our Annual Spring Fever Sale. We appreciate all of the Bidders and Buyers!

Scotty Allen, Scotty L. Allen Farms,
Polkton, NC
Dereck Atkins, Roads End Farm,
Troy, NC
Thomas Atkinson, Atkinson Farms,
Pleasant Garden, NC
Malcolm Booker, Booker Family
Farm, Gladstone, VA
Carla Burgess, Got Angus Cattle Co.,
Sevierville, TN
Alan Cochrane, Cochrane Angus,
Charlotte, NC
Kerry Collins, Blue Q Ranch,
Troy, NC
Bruce Cuddy, High Ridge Farm,
Albemarle, NC
Donavon Delozier, Delozier Family
Farm, Hurdle Mills, NC
Jamie Elliot, Second Creek Farms,
Denton, NC
Wayne Fowler, Fowler Family Farm,
Stanfield, NC
BL Grady, Faison, NC
Jacob Hamilton, Running Branch
Farm, Dunn, NC
Garry Henry, Twin Oaks Farm,
Hope Hull, AL

Don Hill, Dalton Hill Farm, King, NC
Johnny Hoover, Windy Ridge Farms,
Reidsville, NC
Richard Kirkman, 4K/Tarheel
Angus, Siler City, NC
Charles Large, Long Island, VA
William Leatherman, Rock Spring
Angus Farm, Lexington, NC
Dwayne Livengood, Dalton Angus,
Pinnacle, NC
Mickey Love, Old Mill Farm,
Pilot Mt, NC
Josh Lundberg, Lundberg Angus,
Fort Scott, KS
Scott Mathis, Chase Cole Livestock,
Clinton, NC
Benny Merritt, Merritt Brothers,
Lawsonville, NC
Ben Merritt, Lawsonville, NC
Eddy Lee Messick, Mason, NC
Joe Moss, Fishing Creek Farm,
Richburg, SC
Ricky Pell, Rick Pell Farm,
Pilot Mountain, NC
Preston & Erin Pinkston, Silver
Springs Angus, Norwood, NC

Jerry Pritchard, Twin Oaks Angus,
Marion, NC
Bernie & Cheryl Pryor, Reidsville, NC
Tim Raynor, Rock Hill Cattle Co.,
Highland Village, TX
David E. Rice, Raleigh, NC
Larry Shough, Stoneville, NC
Eugene Shuffler, Shuffler Farm,
Union Grove, NC
John Smith, Panther Creek Farms,
Pink Hill, NC
Andy Smith, P&J Farms, Monroe, NC
Robert Smith, Jr., Milton, NC
Randy Staley, J&R Farm,
N Wilkesboro, NC
Roy Swisher, Crescent Angus,
Statesville, NC
Billy Timmons, Timmons Farm,
Orrstown, PA
TW Wall, Highlands Farm,
Morganton, NC
Steve Whitley, Smithfield, NC
Propst Farm, Concord, NC



North Carolina Represented at Women Connected Conference



*Martha and Courtney Holshouser, Gold Hill and Castalia, NC
Attended the Women Connected Conference*

The American Angus Auxiliary's biennial event traveled to Wooster, Ohio, April 2-4.

Cortney and Martha Holshouser of Castalia and Gold Hill, N.C., recently attended the third Women Connected conference hosted April 2-4 at the Certified Angus Beef® (CAB®) brand's Education and Culinary Center in Wooster, Ohio. They joined a progressive and enthusiastic group of 36 women from 17 states, who came together to share their ideas, knowledge and passion for raising Angus cattle.

"The main goal of Women Connected is to provide an opportunity for participants to network with other Angus women with a common bond," said Women Connected Chair Anne Lampe, Scott City, Kan. "In bringing these women together, we hope to educate them, help them engage with one another and empower them to meet their goals."

To kick off the conference, Lampe welcomed attendees to Wooster, Ohio, and they heard comments from American Angus Auxiliary President Shally Rogen, Certified Angus Beef LLC (CAB) Marketing Director Deanna Walenciak, American Angus Association CEO Allen Moczygemba and Angus Foundation President Milford Jenkins. The evening closed with singing, dancing and entertainment provided by cattiewoman and Auxiliary member Cara Ayers of Sweet Home, Ore.

The "Brand Champion Chopped Competition" was a main event on April 3, where participants were assigned teams and given a mystery basket of ingredients - including CAB® as the main course. Six teams of women took on the Education and Culinary Center's state of the art kitchen, and participants voted for their favorite meal.

Attendees also had the opportunity to explore and shop at The Pine Tree Barn and visit Troutman Vineyards, located just outside Wooster.

On the final day of the conference, CAB President John Stika and Vice President of Marketing Tracey Erickson spoke about the CAB brand and the many moving parts associated with the industry's largest branded beef program. The women also toured CAB Headquarters, led by CAB Meeting Planner Danielle Foster, and took part in sessions with Amanda Barstow, director of legal affairs, and Margaret Coleman, director of digital marketing.

The Women Connected conference is funded by the Angus Foundation, and attendees are responsible only for their travel to and from the conference location. Women interested in attending must fill out an application to participate.

The next Women Connected conference will be held in 2018 in a location to be determined.

About the American Angus Auxiliary

The American Angus Auxiliary consists of individuals interested in the welfare of the Angus breed. Its members work to provide educational activities for junior Angus members, such as scholarship programs, awards and competitions. For more information about the Auxiliary, visit www.angusauxiliary.com.

Increasing Diversity in Grasslands

Grazing management affects how forage mixtures develop and persist over time.

by **Miguel Castillo**, North Carolina State University

Across environments and production systems, several factors can interact and ultimately determine the fate of diversity (number of species and abundance) in grasslands. They include environmental factors such as light, temperature and rainfall; growth habit of each species in the mixture (a function of occupying different niches in time and/or space); nodulation ability and capacity or nitrogen fixation from legumes; edaphic factors (pH, nutrient availability and form); frequency and intensity of defoliation by grazing animals; ability to survive drought periods; seed production capacity; and pest and disease tolerance. Therefore, research projects that can address the above-mentioned factors on a local basis are relevant.

Designing the “perfect” mixture for all situations is arguably a path to follow and most likely a never-ending task. Rather, a mechanistic approach that encompasses defined production and conservation objectives (e.g., reduce weed infestation, prevent soil erosion, increase soil organic matter, remediation of areas impacted by high nutrient concentrations, grazing vs. hay production, high vs. low fertilization) may help define specific mixtures and management practices that result in

persistent and resilient grasslands. The purpose of this article is to present and discuss some of the results of experiments that have addressed the use of forage mixtures relevant to the southeastern region, and highlight the results under defined management conditions.

Lack of maintenance fertilization and inadequate grazing management are critical factors resulting in degradation of grasslands. Degraded grasslands have limited potential to serve their other worlds, it is the art and science of grazing management that determines whether a primary function is to serve as a source of forage for livestock or to provide ecosystem services.

Due to their capacity to fix atmospheric nitrogen (N₂) from the atmosphere and their relatively high nutritive value compared to warm- and cool-season grasses, legume plants certainly come to the top of the list when looking for forage species to design a mixture. Nevertheless, grazing management can have profound impact on how the mixture develops and persists over time.

Grazing management is characterized by:

1. grazing intensity [measured as stocking rate (animal-based units) or pasture height (plant-based units)];
2. grazing frequency (i.e., time between

consecutive defoliation events, stocking method); and

3. timing (i.e., season of the year, physiological stage of the plant).

The three factors and their interactions determine the fate of planted pastures (i.e., number of species present and abundance of each species in a pasture). The text that follows will cite a few examples of how grazing management and plant responses interact and ultimately affect diversity in pastures.

Grazing intensity effects on persistence and botanical composition

In grass-legume pastures, legumes often are considered to be less persistent under high stocking rates than grasses; nevertheless, the species present in the sward has a major effect on the response, according to 2012 research by Sollenberger et al.

Under rotational stocking management in 2002, Carllassare and Karten evaluated grazing intensity effects for two years by initiation:termination at heights of 8:2 inches (in.; higher intensity) or 11:3 in. (lower intensity) in a complex (in this case defined as more than four species present) mixed pasture primarily dominated by orchardgrass and Kentucky bluegrass. Orchardgrass height defined the grazing intensity regimes.

Orchardgrass is a tall-growing, cool-season bunchgrass. Kentucky bluegrass is a rhizomatous, short-growing, cool-season grass.

The results of the experiment indicated that after two years of grazing, there was significantly more legume (alfalfa and red clover) and orchardgrass herbage harvested in tall than short pastures. In the short pastures the dominant species were Kentucky bluegrass and white clover. Alfalfa and red clover are less tolerant to close and frequent grazing than white clover because they have more growing points and leaves in the upper

Table 1: Herbage production and botanical composition as a function of stocking method at the end of two years of grazing

	Continuous stocking	Rotational stocking
% Legume presence in the pasture		
Alfalfa in Mixture 1	17%	48%
White clover in Mixture 2	13%	19%
Bird's-foot trefoil in Mixture 3	<0.5%	12%
Weed infestation		
Mixture 1 (alfalfa + orchardgrass)	30%	9%

Source: Adapted from Bryant et al. 1961.

Increasing Diversity in Grasslands CONTINUED FROM PAGE 328

canopy, resulting in the loss of a higher proportion of their growing points and leaf area at grazing, according to 1995 studies by Barnes et al. Therefore, higher grazing heights and longer regrowth periods improve alfalfa and red clover performance compared with shorter and more frequent grazing. Similarly, Conway (1968) reported a greater percentage of white clover at a higher stocking rate.

Consequently, grazing intensity can be utilized to shift the composition of forage species in a pasture.

Stocking method (continuous vs. rotational stocking) and plant morphology

Binary mixtures of orchardgrass + alfalfa (Mixture 1), and orchardgrass + white clover (Mixture 2), and a three-way mixture of Kentucky bluegrass + white clover + bird's-foot trefoil (Mixture 3) were evaluated under continuous and rotational stocking by Bryan et al. in 1961 in an experiment conducted in Virginia.

The rotationally stocked pastures were managed as follows:

- ▶ alfalfa was allowed to grow to bud stage or 10% bloom and then was grazed down to ~3-in. stubble height for Mixture 1;
- ▶ from ~9 in. tall to 2-in. stubble height for Mixture 2; and
- ▶ from ~5 in. tall to ¾-in. for Mixture 3.

Forage stand evaluation after two years of imposing treatments resulted in greater legume presence under rotational stocking compared to continuous stocking (see Table 1). The reduction in legume presence in the pasture after two years of grazing continuously was greater for alfalfa (31-percentage-point reduction) and bird's-foot trefoil (12-percentage-point reduction) compared to white clover (6-percentage-point-reduction) (see Table 1 on page 328).

Why? Two factors are primarily responsible for the results. First, animal preference for legumes results in greater selection toward the legume component in the grass-legume mixture. Because the time to rotate the livestock out of the pasture was based on the overall canopy height as opposed to the height of the legume component, this resulted in legumes being grazed more intensively compared to the grasses to the point that it became detrimental and resulted in a loss of legumes from the system.

In the continuous stocking system the livestock remain in the paddock permanently, and therefore the effect of animal selection can be more pronounced. Indeed, the overall reduction in the legume component was greater for alfalfa and bird's-foot trefoil than it was for white clover.

Why? The second factor is related to plant morphology. Alfalfa and bird's-foot trefoil

have an upright growth habit, with many leaves and stems arising from the crown at the base of the stems. In contrast, white clover has stolons (stems that grow close to soil level and serve as energy reservoirs) from where new roots and eventually new plants grow (see Fig. 1). The presence of stolons provides white clover with a greater potential to spread and, in this case particularly, provides white clover with a greater ability to persist under continuous grazing compared to alfalfa and bird's-foot trefoil.

Because of greater loss of alfalfa in the continuous stocking treatment, the researchers decided to come back to the pasture and estimate weed infestation. They reported 30% weed infestation in the continuous stocking treatment compared to only 9% for rotational stocking in the alfalfa + orchardgrass mixture (Mixture 1).

The results illustrate the importance of understanding the basic concepts of plant morphology to put in place a management system, stocking method in this case, to ensure persistence of the desirable plant species and prevent weed infestation.

Summary and conclusions

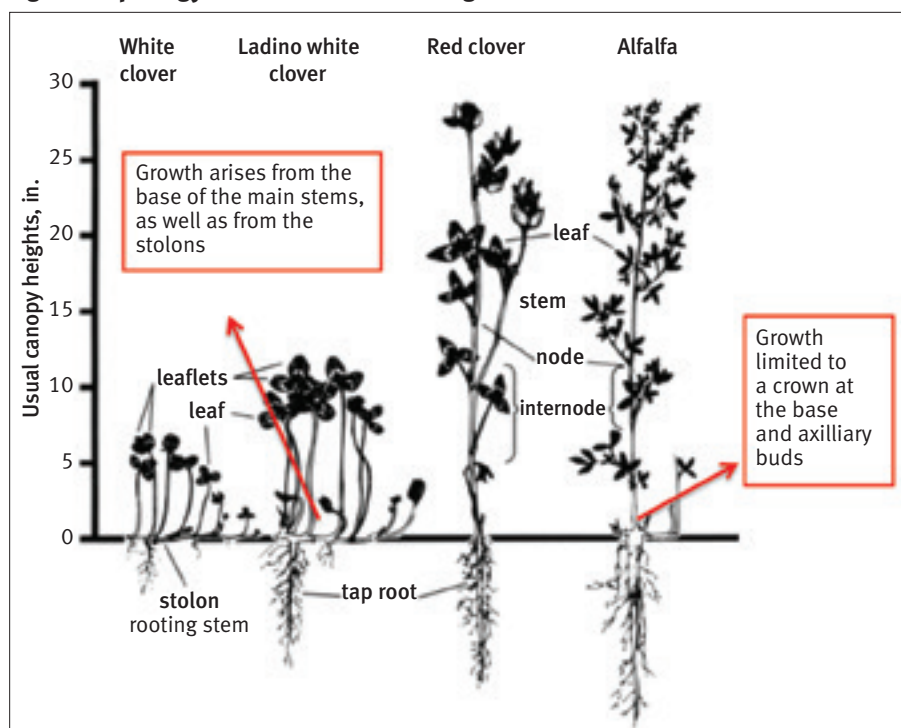
Several experiments were presented involving grazing intensity and stocking method with the objective of exemplifying the importance of understanding the effects of grazing management decisions and choice of forage species on diversity in grasslands. Diversity in grasslands, defined here as number and amount of each species growing intermingled, has received renewed interest and has especially been linked to soil health objectives. Plant-to-plant competition for resources is indeed one of the first factors that can determine the fate of diversity in systems where there is no intervention of animals.

In grazing systems, however, the animal-plant interface can have a determinant role very early in the life of a diverse pasture and ultimately determine the potential of a given forage or mixture of forages to meet expected goals. Grazing management decisions and choice of forage species should be designed with specific objectives in mind. Objectives should include a combination of production- and conservation-oriented themes, and therefore it is important to understand how the plant and animal components of a grazing system interact.

Editor's Note: Miguel Castillo is a forage specialist with North Carolina State University.

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Fig. 1: Morphology of several cool-season legumes





North Carolina Junior Angus Association

NC ANGUS JUNIOR NEWS

NCJAA State Show Results



Showmanship winners left to right (Front) Austin Teeter, Justin Wood, Schyler Crocker (Back) Catherine Harward, Mattie Harward, Lynae Bowman



Champion Steer - Lynae Bowman



Reserve Champion Steer - Thomas Smith



Champion Heifer - Austin Teeter



Reserve Champion Heifer - Alex Cassavaugh



Champion Cow/Calf Pair - Justin Wood



Reserve Champion Cow/Calf Pair - Shane Kendall



Champion Bred & Owned Heifer - Justin Wood



Reserve Champion Bred & Owned Heifer - Lynae Bowman



Champion Bull - Wyatt Kendall



Reserve Champion Bull - Justin Wood

Clover Classic Results



Alyssa Goforth of Yadkin County, NC - Grand Champion Angus with STF Styles Lady 412.



Alex Cassavaugh of Caldwell County, NC - Reserve Champion with MC Gale's Charlotte 52.

NC Juniors in the 2016 Mid-Atlantic Junior Angus Classic



Justin Wood - Wood Bowtie 500, Reserve Grand Champion bred-and-owned bull.



Caleb Heath - Division Champion Mature Cow/Calf.



Taylor Glover - BFR Willa Bea 1512, Reserve Senior Heifer Calf Champion.

LeAnn Harward Selected to Receive the 2016 William M. Sanders Scholarship

The North Carolina Angus Association is proud to announce LeAnn Harward as the recipient for the 2016 William M. Sanders Scholarship. LeAnn is the daughter of Marcus and Patty Harward of Richfield, NC. She plans to attend the University of North Carolina at Chapel Hill in the fall where she will begin her pre-pharmacy program with intention of going on to pharmacy school. LeAnn is passionate about the science behind how medications interact with the human body and she wants to someday design new medications for the treatment of illness in humans.

LeAnn has been an outstanding NC Junior Angus Association member for several years holding many offices and receiving various awards, including her Bronze and Silver awards from the American Angus Association.

The William M. Sanders Scholarship was established in 1994 by his family for the North Carolina Junior Angus Association. Mr. Sanders had a keen interest in the Junior program and always looked forward to the Junior Angus shows. The scholarship represents the family's support of his interest in the Angus Juniors and their ongoing education. Mr. Sanders always appreciated the hard work and effort in caring for and raising cattle for the shows and the industry.

LeAnn Harward Earns Junior Bronze and Silver Awards

LeAnn Harward, Richfield, NC, has earned the National Junior Angus Association's (NJAA) Bronze and Silver awards, according to Jaclyn Clark, education and events director of the American Angus Association® in Saint Joseph, MO.

The 18-year-old daughter of Marcus and Patty Harward attends Gray Stone Day School and is a member of the NJAA and the North Carolina Junior Angus Association, where she has served as vice president, secretary, reporter, director and royalty.

She has participated in local, state, regional and national shows and showmanship contests. At the National Junior Angus Show (NJAS), LeAnn participated in the photography, team fitting, quiz bowl, livestock judging and poster contests and the All-American Certified Angus Beef® Cook-Off. She also served as a voting delegate in 2013.

The Bronze and Silver awards are the first two levels of the NJAA Recognition Program that began in 1972. Junior Angus breeders must apply for the awards, then meet point requirements in many areas of participation before receiving the honors. Applicants are evaluated in areas of Junior Angus Association activities and leadership, participation in showmanship, contests and shows, using performance testing to improve their herd and their progress in producing and merchandising Angus cattle.

The NJAA promotes the involvement of young people in raising Angus cattle, while also providing leadership and self-development opportunities for the nearly 6,000 active members nationwide.



LeAnn Harward 2016 William M. Sanders Scholarship and Junior Bronze and Silver Award Recipient

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SAV Madame Pride 9213 Reg.No. 16335644

She is a Pathfinder cow that we will flush this fall. Her dam is a donor at Schaff Angus Valley and daughter of the maternal matriarch of the SAV program SAV Madame Pride 0075.

WA Emblynnette 136 Reg.No. 16980645

Reserve Grand Champion cow/calf pair at the 2013 North American International Livestock Expo, the NC State Fair and NC Junior Beef Round Up. Embryos are currently available and will flush this fall.

SAV Emblynnette 8113 Reg.No. 16056504

Dam of Wood Capone 2300, the Junior Champion bull of both the 2014 North American International Livestock Expo and the 2014 Atlantic National, NC State Fair Grand Champion bull and Reserve Grand Champion at the West Virginia State Fair and Tennessee State Fair. Embryos are currently available and will flush this fall.

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*Submitted by: Adam Ross,
Duplin County Cooperative Extension*

Join us the evening of Tuesday, August 9, 2016 from 4 until 7 pm at the Duplin County Cooperative Extension office for Sire School. The purpose of this event is to promote North Carolina bulls and breeders to North Carolina cattlemen. There are a tremendous amount of breeding operations in the state, yet many cattlemen are leaving NC to purchase herd sires. At the school, breeders are encouraged to register for a table (\$20 - can be split amongst multiple breeders if desired) and display any information relating to their offerings, whether bulls on test with the Beef Cattle Improvement Program State Bull Tests, farm dispersal sales, or any other marketable bulls they may have available. Commercial cattlemen are also encouraged to attend and meet the breeders to put a face with a name/operation and also learn about topics such as bull nutrition, buying strategies, and health concerns. If you have any questions, please contact Adam Ross at adam_ross@ncsu.edu or 910.296.2143, or Eve Honeycutt at eve_honeycutt@ncsu.edu or 252.521.1706.

NOW and THEN: Memories and Thoughts on the NCAA and the Angus Business...

By Bette Laursen, N.C. Angus Association Executive Director, 1988 - 1996
Co-Owner and Manager of Goose River Farm, Oxford, North Carolina

Memories...what a good time I have had in the cattle business.

Our son, Christian, was 18 years old when he joined the United States Navy in 1981. He knew that he would be incommunicado while in Basic Training but that he may be allowed to make one or two phone calls home. So before he left for the Navy Recruit Training Center near Orlando, Florida, he gave me the first cordless phone I had ever seen, so that I could take it with me on the farm.

Of course the range of those early cordless phones was not great, but one day several weeks into Chris' training, I was on my way to the corral when the phone rang.

"Hey, Mom....."

So happy to hear that voice.....tears welled, my mind went blank.

"Chris, son, are you all right?"

"I'm fine but I only have one minute of phone time. Mom, can you make a chocolate pound cake for the guys in my barrack?"

"Of course, Chris...how many guys?"

"Eighty... I gotta go, Mom. Love you. Bye."

I baked four chocolate pound cakes, Doan helped me pack them very carefully, and off they went to Florida where Chris said they lasted about three minutes and the knife I had included in the package was not a problem after he gave the Company Commander a piece of cake.

Meanwhile on the farm it was time to select a few more cows for our fledgling herd. I zeroed in on the upcoming dispersal of the herd at Castle Rock Farms, near Pittsboro. Visiting there, looking at the cows, studying their pedigrees and their performance data, talking to Luther Broadbuss, I liked what I saw: attractive cows with good numbers.

We had no EPDs back then; we had GBVs and MBVs: growth breeding values and maternal breeding values. Those numbers helped me in my Angus learning days to find some good cows. However the tremendous progress made in Angus genetics in the last decade or two is evident when you realize that, for instance, Castle Rock Miss Mona 921, whose pedigree and numbers were above average in 1980, would not make the grade today. Converting her data to modern EPDs, she would have a Yearling Weight EPD of +6 and \$Beef of -30.

I soon realized I had a big problem. The sale was on May 22, 1982, the same day as graduation in Florida when we would see our son for the first time in many weeks.

I would be at graduation for sure.

As May 22 approached, the cows at that sale beckoned me more and more. Charlie Gantt, livestock agent in Granville County, suggested I ask someone to buy them for me.

"But who?"

Charlie said, "D.S. Moss over at Enfield has always had a reputation for being trustworthy. You should call him."

I had not met D.S. Moss but I knew he was a well-known Angus breeder. I called him. He said he was going to the sale and would be glad to help me anyway he could.

Luther Broadbuss said he would honor anything D.S. Moss did and would be glad to hold the cows a few days and let me pay and pick them up when I returned from Florida.

I gave D.S. my financial limit and the lot numbers of the cows I was interested in and said "buy as many as you can with the money." I knew I had circled several more lot numbers than my money would buy.

So off we went to Florida, Doan, Kathrine, Julie, and me. Kathrine missed her own graduation from Watts Hospital School of Nursing to go to her brother's graduation. Seeing Chris in his uniform for the first time made all of us proud and teary. We had a couple of days to visit before he began his first school.

Home again and anxious to call D.S.

"I spent a little more money than you told me," he said, chuckling, "but I'll be glad to take one of the cows if I spent too much."

So excited...soon the cows were home, including the aforementioned Castle Rock Miss Mona 921, whose purchase exceeded my budget! Probably not surprisingly, the cows that D.S. Moss had purchased for me were all originally Moss cows, except Mona, who was sired by a Moss bull! D.S. said his Angus friends were wondering why he was buying back his own cows.

The Castle Rock cows and our Janastci cows formed the base of our Goose River Farm herd.

I didn't meet D.S. Moss face to face until the NCAA Annual Meeting months later.

He became an Angus friend and a fierce competitor as was his nature. When he sold a Moss bull in "my territory" he could hardly wait to call and laugh and crow. A few times over the years I was able to reciprocate and that was a very great pleasure.

D.S. was president of the NCAA when I was employed as Executive Secretary. He has passed on as has Charlie Gantt but their names conjure up many happy memories of friendship and trust.

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CASTLE ROCK MISS MONA 636 8836895	C R Emulous 407 C20 7680273 C R Miss Mona 816 6254348	S U Emulous 407 Sun Up Pudge 657 Barrier Breaker 4 11 B I Miss Mona 12
* Her dam is lot 51.		
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