

# Agricultural REVIEW

Volume: 99 - No. 5

May 2024

Raleigh, N.C.

## Upcoming Ag Review ad deadlines

The following are deadlines to submit ads for the Agricultural Review newspaper.

May 1 for the June issue  
June 3 for the July issue  
July 1 for the August issue  
Aug. 1 for the September issue  
Sept. 2 for the October issue  
Oct. 1 for the November issue  
Nov. 1 for the December issue

## Got to Be NC Festival celebrates year 15

The Got to Be NC Festival takes over the N.C. State Fairgrounds May 17-19 in Raleigh with plenty of food, fun, tractors, music, agricultural exhibits and activities for the whole family. North Carolina food products and N.C. agriculture are on full display throughout the grounds.

Stroll through the Food Lion Local Goodness Marketplace in the Agri Supply Expo Center and discover the delicious food products and beverages offered by around 75 Got to Be NC member food companies, wineries and breweries.

Aisle after aisle of sauces, rubs, snacks, beverages, sweets, spices and meats await festivalgoers, with companies offering samples and products for sale. Also, check out the latest Got to Be NC merchandise kiosk and show your pride in North  
(See Festival, pg. 4)



The Got to Be NC Festival offers something for everyone -- tractors, rides, food, a tractor pull, music and entertainment. Plan to join the fun May 17-19 in Raleigh.

## Pesticide collection dates set for May

Farmers and homeowners will be able to dispose of unwanted pesticides at several upcoming special pesticide collection days in April and May that are planned in cooperation with the N.C. Cooperative Extension Service.

The Pesticide Disposal Assistance Program is closing in on the collection of 5 million pounds of unwanted pesticides since the program started in 1980, which is a significant milestone, said program manager Derrick Bell.

“North Carolina was the first state in the country with this type of collection program and it been beneficial in keeping unwanted pesticides out of landfills and trash,” Bell said. “Interest in this program remains high and the collection season is off to a good start already. A few weeks ago, we were able to collect 8,000 pounds of pesticides over three counties in one week. Overall, we average around 195,000 pounds collected every year.”

In working with Cooperative Extension offices to schedule collection days, Bell said the department’s goal is to try to be in each county once every other year and in a neighboring county every six to eight months, which provides

close and accessible options when the need to dispose of unwanted pesticides arises. Funding from the N.C. General Assembly in the 2023-2024 budget supports these efforts.

As awareness has grown over the years, so has participation. Even with nearly 5 million pounds collected, products from as far back as the 1940s still show up at collection events, Bell said, reinforcing the need for these annual events.

“The program have seen its 10 largest collection years over the past 10 years,” Bell said. “The largest single-day collection record still stands at 20,000 pounds collected in a four-hour period.”

Collection hours are typically from 10 a.m. to 2 p.m., but can vary by site. Check with the onsite contact listed below for hours and locations.

Following are upcoming dates and contacts for each site:  
May 1 — Davie County. Contact Marsha McGraw, 336-753-6100.

(See Pesticide collection, pg. 2)

## From the tractor



Commissioner Troxler

by Agriculture Commissioner Steve Troxler

the team that made an incredible late season run in the NCAA tournament to get to the Final Four.

I would have loved to see them win the whole tournament, but they had a tremendous season that brought back memories of the 1983 team that did win the National Championship. And regardless of the outcome, they have a lot to be proud of and fans have a lot to celebrate.

One of the things I enjoyed most about watching the game was seeing the smiles and joy that the players brought to the court. DJ Burns was one of the players with the biggest smile and he quickly developed a pretty big social media following.

That smile and fun personality translated into promo opportunities that college players can now engage in called NILs or Name, Image and Likeness deals.

This was the second NIL deal our

Marketing Division has inked with college players to try to broaden the reach of our marketing and promotional messaging, in particular, trying to reach young audiences.

I have challenged the division to work to expand our marketing efforts in new and creative ways and these promotions did that. If we want to talk to younger audiences, we know they are on the popular Instagram and Tik Tok social media platforms.

I mentioned that DJ Burns’ social media following grew during the tournament, well, he has nearly 250,000 followers on his Instagram account. Think about being able to put a marketing message out to all those people! And that’s how the chocolate milk promotion came to be.

I hope you will check out DJ’s Instagram (@DJ.b30) post and like it. We have shared it on the department’s Facebook account (@

NCAgriculture) and the N.C. State Fair (@NCStateFair) Facebook account has shared it as well.

Our other NIL deal was with three of the UNC women’s basketball players also promoting chocolate milk as a recovery drink. Again, our goal in working with different athletes is to try to reach people we may not normally reach to promote North Carolina farmers and agriculture industry – in this case the dairy industry. We can’t just market to the choir!

We think we are one of the first state agencies to enter into an NIL deals with student athletes, but I will say we are still learning about these promotions and are eager to see how the numbers come out.

But, I hope everyone reading this will go out and enjoy a cold, fresh glass of North Carolina milk – chocolate or white ... your choice!

## Agricultural Review

15,000 copies of this public document were printed at a cost of \$686.44 or 3.9 cents per copy.

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Steve Troxler  
Commissioner

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## Bucolic Briefs

Area beef producers are invited to join N.C. Cooperative Extension agents May 16 and May 23 from 4-8 p.m. at the Franklin Plaza Conference room, 279 S. Bickett Blvd., Louisburg, for a Spring learning series on beef cattle production. May 16 topics include the Basic Infrastructure for Beef Production, Reproductive Management and Managing Health and Animal Welfare. May 23 topics include Basics of Nutrition, Forage Systems, Genetics and Direct Marketing. Registration is \$23 and includes a beef dinner. For more, contact Martha Mobley at 919-496-3344 martha\_mobley@ncsu.edu.

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The N.C. Tomato Growers Association is offering a \$3,000 merit/need-based scholarship for the 2024-2025 academic year. Any North Carolina resident who pursues a horticulture or agribusiness undergraduate or graduate degree at a four-year North Carolina college or university is eligible to apply. The deadline for submitting an application is May 31.

The award will be based on a student's demonstrated scholastic achievement, initiative, leadership, financial need, and extracurricular activities. The scholarship is contingent on the recipient maintaining at least a 2.5 grade point average out of a possible 4.0 on all course work during the scholarship period.

The recipient must be enrolled for the entire school year to receive the full scholarship. Scholarship funds will be distributed through the financial aid office of the attending student's college or university. The scholarship will be paid in two installments, \$1,500 per semester.

Applications are available with additional information at [www.nctomatoes.com](http://www.nctomatoes.com).

If you need additional information, contact Melinda James, at 828-526-3989, or by e-mail at [osagem@msn.com](mailto:osagem@msn.com). Completed applications should be mailed to: N.C. Tomato Growers Association, c/o Melinda James, 1604 Hale Ridge Road, Scaly Mountain, NC 28775

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Dinner in the Meadow, a fundraiser for the Leonard-Mobley Small Farm Fund, will be held Sept. 15, in Louisburg. The culinary experience raises money for non-profit organization started in 2014 to nurture and empower small farms across North Carolina.

The Leonard-Mobley Small Farm Grant, named for Marjorie Leonard and Jerry Stephen Mobley, recognizes and supports small farm owners in eastern and central North Carolina who demonstrate exceptional dedication and commitment to their craft. Applications for the \$5,000 grant are being accepted until July 1 from small farms located in one of the following 11 eligible counties: Franklin, Granville, Person, Durham, Vance, Warren, Wake, Nash, Halifax, Chatham and Wilson. Learn more about the Grant Fund at: <https://dinnerinthemeadow.org/about-us>. To apply, go to <https://dinnerinthemeadow.org/grant-application>.

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As a way to help farmers and agricultural workers stay safe at work, the N.C. Department of Labor offers safety videos on a variety of topics through its YouTube channel. Video topics include: preventing green tobacco sickness, hazard communication, tobacco harvester safety, heat stress, migrant housing requirements, forklift safety, and information about the NCDOL's Gold Star Growers program. The videos are in English and Spanish to increase understanding of safety hazards and preventing accidents. To learn more about the NCDOL and the Agricultural Safety and Health Bureau, go to [www.nclabor.com](http://www.nclabor.com) or call 1-800-NC-LABOR (800-625-2267). NCDOL is also on Facebook and Twitter (@NCDOL).

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The N.C. Ag Finance Authority provides credit to agriculture in areas where financing is not available at reasonable rates and terms. The agency originates, services and finances farm loans, rural business loans, disaster loans and cotton gin loans. It also offers tax-exempt ag development bonds for agribusiness processing, ag-related manufacturing or ag waste disposal. For more about Ag Finance Authority programs or to request a loan application, call 919-790-3949 or email at [RequestLoanInfo@ncagr.gov](mailto:RequestLoanInfo@ncagr.gov).

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## HPAI found in a North Carolina dairy herd

The National Veterinary Services Laboratory recently detected Highly Pathogenic Avian Influenza in a dairy herd in North Carolina. HPAI has previously been detected in dairy herds in Texas, Kansas, Michigan, Idaho, New Mexico, and Ohio. Movement of cattle from affected herds in these states to North Carolina has been suspended.

"This is an evolving situation, and we are waiting for more diagnostics from NVSL and will work collaboratively with our federal partners and dairy farmers in North Carolina," said Agriculture Commissioner Steve Troxler. "We have spent years developing methods to handle HPAI in poultry, but this is new and we are working with our state and federal partners to develop protocols to handle this situation. It is important to note the FDA has no concern about the safety or availability of pasteurized milk products nationwide."

More information from USDA on HPAI in dairy herds in the United States is located at [www.aphis.usda.gov/sites/default/files/hpai-dairy-faqs.pdf](http://www.aphis.usda.gov/sites/default/files/hpai-dairy-faqs.pdf)

Guidance from FDA on milk safety during HPAI outbreaks is available at <https://www.fda.gov/food>, click on the milk link.

NCDA&CS updates information on avian influenza on their website at <https://www.ncagr.gov/divisions/veterinary/AvianInfluenza>.

## Pesticide collections

(Continued from pg. 1)

May 2 — Moore County. Contact Tom Shea, 910-947-3188.  
May 4 — Catawba County. Contact Ariel Kanupp, 828-465-8217.  
May 4 — Harnett County. Contact Brian Parrish, 910-893-7530.  
May 9 — Dare County — Kitty Hawk. Contact Shannon Fulmer, 252-475-5844.  
May 10 — Dare County — Buxton. Contact Shannon Fulmer, 252-475-5844.  
May 11 — Dare County — Manteo. Contact Shannon Fulmer, 252-475-5844.  
May 11 — Onslow County. Contact Melissa Huffman, 910-455-5873.  
May 14 — Macon County. Contact Joe Deal, 828-349-2046.  
May 15 — Yancey County. Contact David Davis, 828-682-1874.  
May 18 — Granville County. Contact Johnny Coley, 919-603-1350.

Organizers are also hoping to offer events in Alamance, Carteret, Lenoir, Northampton, Pamlico, Pitt, Rockingham and Wilkes counties this year.

**To keep up with the latest on the N.C. Department of Agriculture and Consumer Services, check out our blog at [www.ncagr.gov/blog](http://www.ncagr.gov/blog), or follow us on Facebook and Twitter or @gottoBeNC on Instagram.**

## Celebrate May as NC Wine Month

North Carolina's wine industry ranks among the top 10 nationally in production, and each May, the 190-plus wineries come together to celebrate with tasting rooms across the state hosting special events and promotions throughout the month.

N.C. Wine Month gives wine lovers, along with those who enjoy cider and mead, an opportunity to connect with this growing segment of North Carolina's craft beverage culture. As the industry has grown, so has the variety and quality of wines produced in the state.

"If you've never been to a North Carolina winery or haven't been recently, N.C. Wine Month is the perfect opportunity to get out and enjoy the quality and overall experience in our growing regions," says Brianna Burns, executive director of the N.C. Wine & Grape Council. "Over the last two decades, North Carolina has become a farm-to-glass state. Our wines, ciders and meads are grown here and made here. It's an agricultural success story that is gaining recognition nationally and internationally."

In 2023, a rosé from JOLO Vineyards

& Winery in Pilot Mountain was named the "best rosé on the planet" at the prestigious Rosé Competition during the American Fine Wine Competition.

Sanctuary Vineyards in Jarvisburg on the Outer Banks is another shining example. The winery has captured numerous national awards for its wines in recent years by embracing a variety of grapes, from native Muscadines to European Vinifera to French American hybrids. Sanctuary general manager John

(See Wine month, pg. 3)

## \$6.2 million available in grants to boost middle of food supply chain

■ *Deadline to apply is June 15*

The N.C. Department of Agriculture and Consumer Services is offering \$6.2 million in funding through a new grant program geared toward small agribusinesses and designed to strengthen the middle of the food supply chain.

Grants of up to \$100,000 for equipment only purchases and up to \$2 million for infrastructure projects will be available through a competitive application process. These grants will better position produce, dairy products, eggs, aquaculture and value-added products produced in our state to improve food and agricultural supply chain resiliency including additional opportunities for profitability. Grants distributed through this program will fund projects that expand capacity and infrastructure for the aggregation, processing, manufacturing, storing, transporting, wholesaling, or distribution of targeted agricultural products. Applications for the program will be accepted May 1 through June 15.

"Over the past three years, North Carolina has been able to successfully capitalize on funding to strengthen

our food supply through a pioneering series of grants that have increased local production and processing capacity for meat and seafood. This program will expand on that mission," said Agriculture Commissioner Steve Troxler. "Consumers saw the importance of local food production during the pandemic when supply chain challenges disrupted the availability of some products. So, strengthening our food supply chain will greatly benefit consumers and producers long-term. We'll be better prepared for the future."

Funding for the Resilient Food Systems Infrastructure program comes through the U.S. Department of Agriculture's Agricultural Marketing Service and is authorized by the American Rescue Plan.

A series of information sessions about the program are being planned and dates and locations will be posted on the NCDA&CS website at <https://www.ncagr.gov>. More program details and the application form can also be found under the RFSI Grants link.

# Drone pesticide applications require license

As drones continue to become more commonplace, the North Carolina Department of Agriculture and Consumer Services has prepared to be sure anyone who uses drones for pesticide applications is properly licensed. The Structural Pest Control and Pesticides Division now has a document with step-by-step information on how applicators can become properly licensed to use drones.

The document comes in large part thanks to Dwight Seal in the Pesticides Section of the division.

“I knew this was coming,” Seal said about the increase in interest in the topic in recent year. “You know, when you work in this business long enough you know where the questions are going to come from, and I said, well we need it in writing. So people will have it so that we can all sing off the same sheet, so to speak, and everyone knows these are the rules.”

Seal is the division’s Western District Pesticide Manager, but his interest and involvement in how drones and pesticides intersect has spread across the state and beyond. He’s served as the chair of the Emerging Technology Working Group within the national American Association of Pesticide Control Officials (AAPCO). Recently he spoke at a national spray drone user’s conference in Alabama. His talk was titled “A Regulator’s Perspective: UAVs used for Pesticide

Applications.”

UAV is the more common industry term used instead of “drone.” It stands for Unmanned Aerial Vehicle.

“They’re going to be regulated by FAA and the State Department of Agriculture,” Seal said. “So they have to have their pesticide license and the license certificates for FAA. I wanted to cover what’s sort of a moving target with FAA because of waivers and exemptions that they have put in place. We keep up with what FAA is doing, so I just gave the perspective from the department of ag and how we look at what FAA does and how we communicate that to people in our state.”

Seal explained that in North Carolina anyone using drone for pesticide applications needs to meet the same pesticide license requirements as someone operating a manned aircraft. That license for manned aerial application involves at least three exams – the core exam, the aerial methods exam and a specialty exam based on the location of application. There are aircraft inspections also, and the FAA requires two certificates – Part 107 and Part 137.

The guide sheet Seal created helps cover the checklist of requirements. For anyone interested in that document or with general interest in applying pesticides with a UAV/drone, the Pesticides Section has information on how to be properly licensed. A good place to start and to find contact info is this page of the division’s website:



Structural Pest Control and Pesticides – Pesticide Licensing and Certification

Seal said he was happy to have the document together just as interest and questions began to grow.

There are currently about 10 applicators specifically licensed in North Carolina specifically for UAV/drone use, Seal said. Interest continues to grow. He has noticed traditional aerial applicators starting to subcontract with drone operators in some areas such as fields with hazards such as powerline where it’s difficult to get an airplane safely.

“I get calls daily about it, and I would say we’re probably picking up maybe 10 more coming this year,” Seal said. So it’s an expanding market, but it’s still a niche market.”



NCDA&CS Pesticide Western District Manager Dwight Seal recently presented at the national spray drone user’s conference in Alabama. He shared documents on how pesticide applicators can become licensed.

# NCSU junior hopes to follow in grandfather’s footprint

Did you know that love at first sight applies to the agriculture industry? Ever since she was a little girl, Leah Solomon has loved agriculture and all that it has to offer. Growing up alongside her grandfather, father, and uncle on the family farm in Caswell County, she learned at a young age what it was like to work hard for a crop and reap the rewards during the harvest. From playing on the tobacco barns to studying agriculture at N.C. State University, our state’s number-one industry has helped shaped Leah’s life path in many ways.

After fighting in World War II, Leah’s grandfather returned home to Caswell County, purchased land, and started the family farm. “I am the third generation to grow up on this farm and I grew up learning the trade from my father, grandfather and uncle,” Leah said. “I have always loved the work, community, and culture of it.” Growing mostly tobacco and soybeans, the family farm has become a staple in the community and taught Leah a lot about hard work. “My grandpa was the one who inspired me to a life of agriculture because I saw how hard he worked, alongside other members of my family, every single day,” she said. “I saw the passion that drove him to continue fighting for the farm during the hard seasons and the pride he felt when a crop came through to harvest. As a girl I wanted to be just like him, but now I want to spend my life helping people like him.”

As a Junior at N.C. State University, Leah is studying Agriculture Business Management with a minor in Crop Science. “I have learned so much about the agriculture industry during my time at N.C. State because of the broad array of classes that they present to us,” she said. “Agriculture is the backbone of our state and the world. We wouldn’t have food or clothes without it. N.C. State University has done a great job of teaching me all the facets that make up that backbone and how they all work together to create our state’s number one industry.” This summer, Leah is hoping to intern with either N.C. State Extension or a tobacco company near her hometown. “I would love to get some hands-on experience in either area,” Leah said.

After graduation, Leah is hoping to work for a tobacco company and help farmers with agronomy, contracts or grading. She is also considering becoming an N.C. State



Leah Soloman is a junior at N.C, State University. She plans a career in agriculture when she graduates,

Extension Agent. “No matter what I do with my career, I know that I want to be in agriculture, and I want to help the farmers across this state,” she said. “I always admired my grandfather, but I know that he had to have help from time to time. I want to be someone that farmers can trust and rely on to help them with any problems that they face.”

With strong communication skills, problem solving skills, a passion for the industry, farming knowledge and an outgoing personality, Leah is well on her way to building relationships across the industry and establishing her place as a future leader. “Relationships are the key to success in agriculture,” she said. “Often times it’s all about who you know and who you trust. Agriculture is one big family, so I am working hard to present myself as someone who is here to help, willing to learn and ready to take on a challenge.”

Although she loves many aspects of the agriculture industry, Leah’s favorite part is the people that she encounters and



their hard work ethic. “People in agriculture have a passion that is unmatched and drives them every day,” she said. “I learned a lot from my grandfather, including the fact that you will get knocked off your feet at some point, but God will provide, and you will make it through. That’s a sentiment I’ve seen shared across the industry and one that I hope to contribute to my future career.”

To those looking for a potential career in agriculture, Leah recommends learning all that you can about the industry to find your place. “Be open to all new learning opportunities, whether hands-on or in the classroom,” she said. “I learn something new about this industry every single day and it helps me to grow as a student and future leader. You can work in agriculture no matter where your interests lie, so just find what speaks to you and run with it.” We are so proud of all that Leah is doing to work towards her future in agriculture!

## Festival

(Continued from pg. 1)

Carolina agriculture. Admission to the Marketplace is \$3.

Every day, the Got to Be Festival recognizes a Young Farmer of the Day, sponsored by Ag Carolina Farm Credit and Ag South Farm Credit. Honorees and their family are guests of the festival and ride in the tractor parade.

All makes of antique tractors, plus early farm equipment will be on display daily on the midway. You don't want to miss the colorful parade of vintage and antique tractors held daily at 1 p.m. No matter what tractor brand is your favorite – red, green, orange, blue, even pink – it will likely be in the parade. The parade begins at the Martin Building on the midway and winds through the festival grounds.

Agri Plaza, presented by NC Pork and located in the Jim Graham Building, showcases an assortment of farm animals including celebrity turkeys, Chocolate and Chip, who were pardoned at the White House in 2022, fluffy-faced Highland cows, longhorn steers, freshly hatched baby chicks, baby piglets, sheep and llamas. Fun, kid-friendly activities include the John Deere pedal car obstacle course, a corn table, an interactive N.C. Forest Service exhibit, a dairy milking exhibit and the Carolina Cooker Skillet Skee Game. At 10:30 a.m. on Saturday, guests can help celebrate Smokey Bear's 80th birthday by signing his birthday banner, hearing the Story of Smokey and joining his birthday party with friends. Smokey Bear and N.C. State Fair Casey Cardinal will pose for pictures and pass out Smokey-themed party favors.

The Got to Be NC Musical Stage features local artists across many musical genres daily. Catch a performance on Friday at 1, 3, 5 or 7 p.m., Saturday at 10 a.m., noon, 2, 4, 6 and 8 p.m. and Sunday at 10 a.m., noon, 2, 4 and 6 p.m. On Sunday, the Master's Men a cappella gospel ensemble performs in the Heritage Church near the Holshouser Building.

Daily entertainment includes the Keith King BMX Bike Show, Agri-puppets, a Butterfly Barn, and working dog demonstrations featuring the Spotted Lanternfly Detection dog Goose on Friday, and K-9 officers from the Wake County Sheriff's Department on Saturday and the Durham County Sheriff's Department on Sunday.

### Special Saturday-only events include:

- Smokey Bear Birthday Celebration at 10:30 a.m. in the Jim Graham Building.
- The Carolina Pig Jig benefitting the Masonic Homes for Children in Oxford. All-you-can-eat barbecue prepared by competing Masonic lodges, plus fixings is offered for \$20 per person. Gates open at 11 a.m. beside the Agri Supply



The Got to Be NC Festival runs May 17-19 at the State Fairgrounds in Raleigh. North Carolina agriculture and activities for the whole family are part of the exciting festival lineup. Music, food, rides, agricultural exhibits, tractor displays, working dog demonstrations and a daily tractor parade are part of the fun. Join us in Raleigh May 17-19. Learn more at [www.gottobenfestival.com](http://www.gottobenfestival.com).

Expo Center.

- Kids' Pedal Tractor Pull takes place at 1 p.m. in the Grandstand. Ribbons are awarded to the fastest racers.
- An antique tractor pull presented by the N.C. Education Lottery is held in the Sam Rand Grandstand from 2 to 8 p.m.

### Special Sunday-only events include:

- The Action Alley Heavy Equipment Learn and Play

display of large work equipment is open from 10 a.m. to 3 p.m. in the NC Education Lottery Grandstand. Kids can climb in and on these supersized pieces of machinery and see how they work.

Admission and parking are free, and the festival hours are Friday from noon to 10 p.m., Saturday from 9 a.m. to 10 p.m. and Sunday from 9 a.m. to 8 p.m.

## Emerging pests

(Continued from pg. 8)

subfamily, Sterictiphorinae, create a similar feeding pattern, but on the leaves of Prunus species like black cherry (*Prunus serotina*) rather than elm.

Leaf banding associated with beech leaf disease damage. Photo Kristen Wickert, USDA Forest Service, Bugwood.org (left). LCM, the foliar nematode associated with beech leaf disease. Photo by Paulo Vieira, USDA Forest Service (right).

In Western North Carolina, the primary threat to American beech (*Fagus grandifolia*) has been beech bark disease (BBD). However, beech leaf disease (BLD) is an emerging forest threat that has been gaining ground in the Northeast, causing dieback and widespread mortality of American beech at an accelerated rate. To put this into perspective, BBD has spread through much of the northern extent of the American beech range over a span of more than two decades. BLD has spread across much of this region in less than half that time.

BLD was first detected in Lake County, Ohio, in 2012. The culprit is a newly recognized subspecies of foliar nematode, (*Litylenchus crenatae mccannii* or LCM), which was discovered from leaf samples collected in 2017. By 2020, the disease had spread to eight states and into

Canada. However, researchers are making headway in understanding the life cycle of LCM and describing the connection between the nematode and the occurrence of specific symptoms associated with BLD. By 2021, BLD was detected in neighboring Virginia and, in 2023, in Maryland, Delaware and Vermont, bringing the current total to 14 states.

Much remains unknown about this newly identified disease including its origin, mode of transmission and potential management options, which are the subject of ongoing research. What we do know is that thousands of LCM overwinter in beech buds, feeding on the developing leaf tissue. Infected leaves emerge in the spring with the following symptoms:

It's important to note that these symptoms don't worsen throughout the growing season—the harm is inflicted during winter. Additionally, while American beech trees typically hold on to their dead leaves through winter, a phenomenon botanically known as marcescence, affected trees may also experience premature leaf drop, leaving trees abnormally bare throughout the summer.

If you suspect any activity from the invasive species mentioned above on your property, the N.C. Forest Service encourages you to report your observations by contacting your local county ranger's office.

## Horse Events

### Southeastern Ag Center, Lumberton 910-618-5699

- May 4 ..... BBHA Open Horse Show. Contact Jerry King, 910-237-4525.
- May 6 ..... Horse & Tack Auction. Contact Brad Stephens, 828-390-0878.
- June 3 ..... Horse & Tack Auction. Contact Brad Stephens, 828-390-0878.
- June 8 ..... Da Bomb Barrel Racing. Contact Josh Smith, 910-639-6387.

### Sen. Bob Martin Agricultural Center, Williamston, 252-792-5111

- May 3-5 ..... Southeast Youth Extravaganza. Contact Crystal Hymen, 252-903-9732.
- May 11 & 12..... NCHJA "C" Horse Show. Contact Emily Bates, 252-378-4474.
- May 16-19 ..... NC High School and Junior High School Rodeo Finals. Contact [nchsrodeo@gmail.com](mailto:nchsrodeo@gmail.com).
- May 30-June 2. SERHA Main Event. Contact [info@serha.org](mailto:info@serha.org).
- June 8 & 9 ..... NCHJA "C" Horse Show. Contact Dethanna Perry, 252-675-3017.
- June 22 & 23 ... June's Just Horsin' Round Open Horse Show. Contact, Beth Tew, [btew2@nc.rr.com](mailto:btew2@nc.rr.com)
- June 28-30 ..... Four Beats for Pleasure Eastern NC Jubilee. Contact Amanda Twisdale, [4beats4Pleasure@gmail.com](mailto:4beats4Pleasure@gmail.com).
- July 9-14..... SERHA Main Event & North American Reining Stakes. Contact [info@serha.org](mailto:info@serha.org).
- July 26-28..... Little River Circuit. Contact Susan Daniels, 919-894-0600.
- Aug. 2-4..... Fallin' into Autumn Open Horse Show. Contact Travis Alford, 252-450-5438.
- Aug. 23-25..... NCQHA-D5 Endless Summer Horse Show. Contact Susan Daniels, 919-894-0600.

### WNC Ag Center, Fletcher 828-687-1414

- May 3 & 4 ..... Asheville Spring Warm Up. Contact Liz Holmes, 919-672-3741.
- May 8-11 ..... Saddlebred Classic Horse Show. Contact Liz Holmes, 919-672-3741.
- June 14-16 ..... Piedmont Paso Fino Horse Show. Contact Milda Minter, 336-225-0214.
- July 17-20..... Asheville Summer Fun Horse Show. Contact Liz Holmes, 919-672-3741.
- July 23-27..... Blue Ridge Classic Horse Show. Contact Liz Holmes, 919-672-3741.

### Gov. James B. Hunt Jr. Horse Complex, State Fairgrounds, Raleigh, 919-821-7400

- May 5 ..... Gala of the Royal Horses. Contact 361-332-6305.
- May 4 & 5 ..... TWHA May Days Show. Contact Kim Moser, 919-201-3606.
- May 11 & 12..... North Central Qualifying 4-H Horse Show. Contact Morgan Maness, 336-342-8230.
- May 11 & 12..... Raleigh Spring Dressage. Contact Janine Malone, 919-269-7307.
- May 18 & 19..... Southern States Academy Show. Contact Liz Holmes, 919-672-3741.
- May 22-25 ..... Southern States Regional Morgan Show. Contact Liz Holmes, 919-672-3741.
- June 1 & 2 ..... Capital Dressage Classic. Contact Janine Malone, 919-269-7307.
- June 6-9 ..... Tar Heel Summer Classic. Contact Randy Ratliff, 336-339-8773.
- June 13-15 ..... Capital City Classic. Contact Liz Holmes, 919-672-3741.
- June 22 & 23 ... NCAHA Open Summer Extravaganza. Contact Jackie Daughton, 336-509-6113.
- July 10-14..... State 4-H Horse Show. Contact Lori Stroud, 919-515-5788.
- July 19-21 ..... Triangle Farms Summer Indoors "C." Contact Joan Petty, 919-669-9877.
- July 21 & 22 .... TWHA July Show. Contact Kim Moser, 919-219-0256.
- July 27 & 28 .... Raleigh Summer Dressage I & II. Contact Janine Malone, 919-269-7307.

\*Show dates are subject to change. Call ahead to confirm.

# NCDA&CS inks NIL deal with Pack star DJ Burns to promote chocolate milk

NextGenAg  
(Continued from pg. 8)



experience. “I would like to eventually own anywhere from 40 to 60 acres of land where I can have a general store that stocks NC based brands, grow and raise the livestock and produce, and provide hands-on courses to teach people about agriculture and immerse them in the experience,” she said. “I could have cottages on the property for people to stay in overnight, cook meals with products grown and raised on the farm, and so much more. That way people could come learn about and experience agriculture, then go back to their own homes more enlightened and educated.”

Nicole’s personality as a strong communicator, her skills as a helper and listener, and her deep passion for the industry will all play guiding roles in her future. “I like to call myself the Public’s Farmer Bestie because my goal is to help people within and outside the agriculture industry in any way that I can,” she said. “I feel like I am a good resource for people and if I don’t have the answer to a question, I will find someone who does. I’ve learned that there are so many different facets of agriculture and I want to share that with the world in any way that I can.” In fact, her main goal this year as National Mrs. U.S. Agriculture is to visit 100 farms in the state and get to know the hard-working hands behind the business. “This industry is all about connections,” she said. “I want to visit these farms, hear their stories, learn what they grow and why, see where they come from, etc. We all have a story that is beneficial to this industry, and we can help one another

continue to make this industry strong, but it’s going to take intentionality, vulnerability, and connection on all levels.”

Although she loves all aspects of agriculture, one of Nicole’s favorite parts of the industry is the peace that she finds on the farm and in the chicken house. “I really do see God in agriculture,” she said. “I find a peace that surpasses all understanding on a farm and in my own chicken houses. I hear God’s voice best in the chicken house. He is interwoven into each part of this industry. I am thankful to be a part of something that has such a strong foundation of faith.”

For anyone looking to get involved in the agriculture industry, Nicole not only offers herself as a resource and contact, but also suggests getting involved with agriculture programs like FFA and 4H, as well as visiting and helping farms in your community. “The Visit NC Farms app is a great resource to finding farms in your area,” she said. “Reach out to a couple and ask to visit, or even to help work on the farm for a while. Commit to it and give it everything you’ve got.” Nicole responds to every message that she receives either through text or her Instagram account, so feel free to message her for more advice or help pursuing your agriculture dreams. We are so proud of everything that Nicole is doing within the agriculture industry to help further the message. It’s an honor to have her fighting for our state’s number one industry!

## Wine month

(Continued from pg. 2)

Wright says steady breezes and sunny days provide a quality growing climate along the coast.

Earlier this year, Marked Tree Vineyards in Flat Rock earned two high scores from a prestigious wine critic for its regular and Reserve Chardonnay.

To learn more about N.C. Wine Month happenings, go to <https://ncwine.org/newinmonth/>.

For an overview of all wine regions in North Carolina and browse listings of individual wineries, cideries and meaderies in each area, check out <https://ncwine.org/regions/>.

The N.C. Department of Agriculture & Consumer Services recently inked a Name, Image and Likeness (NIL) deal with N.C. State Wolfpack Basketball star DJ Burns to promote North Carolina’s dairy industry and chocolate milk as a sports recovery drink!

DJ was part of the men’s basketball team that made a Final Four championship run in the NCAA tournament and his enthusiasm and joy on the court won over fans nationwide. He has over 249k followers on his Instagram account. NCDA&CS is one of the first state agencies to use an NIL promotion for marketing. We hope you will share this promotion and help more people see this message on N.C. dairy products. Find DJ Burns on Instagram @DJ.b30.



## May AgroTips

### Use tissue testing to optimize yield of pecan trees.

Sufficient nutrient uptake is critical for nut development. Tissue testing after bloom and during early fruiting helps detect hidden hunger and can help in the adjustment of a fertilizer program. Visit [www.ncagr.gov/agronomi/pdf/files/isplant.pdf](http://www.ncagr.gov/agronomi/pdf/files/isplant.pdf) for general tissue sampling and submission instructions.

Use of correct sampling procedure is critical. Collect only the middle pair of leaflets from a compound leaf on the terminal shoot of the current season’s growth. Each sample should consist of a minimum of 30–45 leaflets. Try to choose undamaged leaflets growing in full sun. Do not collect samples after recent pesticide or nutrient spray applications.

### Sidestep the high cost of fertilizer by using animal waste as a plant nutrient source.

Farm-generated wastes are a widely available and inexpensive alternative to commercial fertilizers. Animal wastes provide essential plant nutrients and also improve soil physical properties, such as water infiltration, aeration and nutrient-holding capacity. Before applying waste material as fertilizer, send a sample to the NCDA&CS Plant/Waste/Solution/Media Section. This laboratory tests for levels of plant nutrients and, when necessary, can measure pH, lime value and soluble salts. Based on analytical results, the waste report provides estimated rates of nutrient availability for the first growing season. With this information, you can figure out how much waste it will take to meet the specific nutritional needs of a crop. Supplemental applications of commercial fertilizer may be necessary, depending on rate of nutrient availability, cropping system, environmental guidelines and other factors.

### Use tissue test results to improve crop production.

For high-value crops, in particular, plant tissue analysis is a valuable tool for optimizing monetary inputs and yield. It is a way to monitor the effectiveness of an ongoing fertilization program. It is a way to identify existing or potential nutrient problems. It can also be a way to gauge plant readiness for harvest.

The part of the plant to be sampled and the time of sampling vary by crop. Visit [www.ncagr.gov/agronomi/pictorial.htm](http://www.ncagr.gov/agronomi/pictorial.htm) for specific sampling instructions for several major crops. Samples can be dropped off at the NCDA&CS Plant/Waste/Solution/Media lab in Raleigh, mailed through the U.S. Postal Service, or shipped via UPS or Fed Ex. Basic tissue testing costs \$5 per sample, and results are typically posted on the NCDA&CS Agronomic Division website [[www.ncagr.gov/agronomi](http://www.ncagr.gov/agronomi)] two business days after samples arrive at the lab. Special tests to measure chloride, molybdenum or petiole nitrates cost an extra \$2 per test per sample.

### Spring and summer are the best times to take soil samples from established lawns and gardens.

It is always a good idea to take soil samples several weeks before planting a garden or renovating a lawn; then if lime is needed, you have time to apply it properly and let it begin to work before planting. For established plantings, spring and summer are good times to submit samples because there is no peak-season fee. Reports are usually posted online within 10 days.

The soil lab urges clients to enter and submit soil sample information online via the PALS website instead of filling out a paper sample information form. The online option sends sample information to the lab electronically and helps prevent data entry errors and duplications. A printed copy of the electronic Soil Sample Information form must be submitted with the samples. Links on the

Agronomic Division homepage — [www.ncagr.gov/agronomi](http://www.ncagr.gov/agronomi) — provide detailed instructions.

Samples must be submitted in NCDA&CS soil boxes, which are available from all county Cooperative Extension offices and from the Agronomic Division office in Raleigh. Reports are posted online in PALS.

### Collect petiole samples from vinifera vineyards during full bloom.

To monitor the nutrient status of vinifera grapes, collect a tissue sample during full bloom. The sample should consist of at least 50 petioles collected from leaves opposite the first or second bloom cluster from the bottom of the shoot. Collect petioles randomly from throughout the entire vineyard. Do not collect more than two petioles per vine. Place the sample in a paper bag or envelope. The plant tissue report—available in a few days—will let you know if your fertilization program is meeting your crop’s needs.

If you want to use tissue analysis to diagnose a suspected nutrient problem, collect a petiole sample as soon as you see symptoms. Don’t delay—time is critical when correcting nutrient problems. To troubleshoot a problem, you should collect four different samples: 1) a petiole sample from symptomatic leaves, 2) a similar petiole sample from healthy plants, 3) a soil sample from the problem area and a soil sample from the healthy area. Send all samples along with a completed Plant Sample Information form and Diagnostic Soil Sample Information form to NCDA&CS Plant/Waste/Solution/Media Section. There is a \$5 processing fee for each grape petiole sample.

# Classified Advertising

## General rules for advertising in the Ag Review

- Advertising is a free service to North Carolina residents only. A North Carolina address and phone number are required for submitting ads.
- The editor or advertising manager reserves the right to accept or reject any ad and to edit ads to meet requirements or space limitations.
- Priority will be given to ads that are strictly related to agriculture.
- Advertisements are limited to 30 words or less. This includes first & last name of advertiser (NOT farm name), complete address and phone number w/area code.
- Ads will be published in one issue only. Ads that are to be repeated must be submitted for each issue.

- Only two ads per family per issue will be accepted. Family refers to all individual sharing the same residence, mailing address or home telephone number. These ads must be under separate classifications.
- All "For Sale" and "For Rent" ads must have a price or price range. Stud service must also include a fee.
- The ad deadline is the first working day of the month prior to publication at noon. For example, if you want your ad to be published in the May issue, we must receive it by noon the first working day of April 3.



### Bees, Supplies & Services For Sale

#### NOTICE

N.C. law requires a permit to sell honey bees in the state. A permit is not required for: The sale of less than 10 bee hives in a calendar year, a one-time going-out-of-business sale of less than 50 hives, or the renting of bees for pollination purposes or their move-

**10 nucs**, calm, high honey production, \$200 ea. Graylyn Bauguess, Hays 336-262-7179.  
**5-frame nucs**, \$165; local raised queens, \$30; 100-gal holding/bottling tank, \$350. Garry Whitley, Albemarle 704-982-0698.



### Equipment For Sale

**JD 410-D** backhoe, 24 in. bucket, no hyd leaks, back tires N/G, \$8,500 obo. John Creasy, Gibsonville 336-214-4759, call or text.

**1994 JD 9400** combine w/920F header, EC, \$5,000. Harden Phipps, Julian 336-601-9031.

**JD 3032E** 4x4 front loader, trailer, \$1,850. Charles Waddell, Thomasville 336-309-6603.

**863 Bobcat**, approx. 2,500 hrs., 40% tires, air-cooled diesel eng, still in use, does not use oil, \$15,900. Barry McSwain, Norwood 704-985-3751.

**Sigma MLE 160** flail mower, w/extra hammers, \$5,200. Lance Tabor, Henderson 919-339-9040, text.

**Troy-Bilt horse** rototiller, elect. start, many extras, \$680. Duane Kirschenman, Winston Salem 336-765-0968.

**Ford Jubilee tractor**, no rust, paint excel., has a leaking valve or valve seal on 1 cyl according to mech, \$3,000. J. Hackney, Stem 919-451-2285.

**1970 JD diesel**, power shift, canopy, \$12,000. David Spaugh, Yadkinville 336-692-7066.

### FARM EQUIPMENT

**2013 NH Workmaster 40** 110TL, 4wd, hys trans, constr. attach grapple bucket, 156 hrs., EC, needs new front right tire & rim, \$17,000. Michael Mulligan, Chapel Hill 919-724-2435.

**1950s Harry Ferguson** tractor, shelter kept, runs/pulls well, good restoration piece or sm garden use, \$2,000. Audrey Barker, Westfield 336-593-8413.

**JD 16-disc** 3 pt harrow, \$500; 500 lb. steel PTO spreader, 3 pt, \$600; 3 pt drum spike aerator, \$500; other equip. John Fox, Browns Summit 336-656-3964.

**Hesston 4x4 rnd** baler, GC, \$3,500, 9 ft., 3-ring feed bin, some rust; \$400, 3 pt hay fork, GC, \$150. Pat Renegar, Harmony 704-546-7787.

**Westinghouse elect. motor**, 125hp, 3-phase, \$1,250; Porter 2-head shaper, 3-phase \$800; Ecco #18 doub shaft flapper sander, 3-phase, \$200; Dayton single phase motor, 7.5hp, \$500. Eddie Moretz, Deep Gap 828-963-0883.

**Kuhn rotary hay rake**, #GA 300 GM, 9 ft., used once on 20 ac, LN, \$7,859. Dahl Tritt, Thurmond 336-469-8473.

**2-basket pull tedder**, new tires & tines, \$450; Hardee 6 ft. bush hog, \$500; MF 20-disc harrow, \$500; JD 20-disc harrow, \$500; 9-shank tillage tool, \$450. James Isley, Julian 336-263-1958.

**Farmall front end** loader, fair cond., \$900; flathead V8 w/truck frame, \$600. David Lomax, Denton 336-688-5313.

**1955 Ford 740** row crop, restored, \$7,100; 1963 AC D-10, \$800; 1964 Ferguson 50 diesel, \$4,900; 1953 Farmall Super A, \$500. Frank Hamby, Pinnacle 336-325-2425.

**Ford 5000 rear** wheels & tires, 30x16.9, ¾ tread, \$750; parade wagon, seats 30, new top, fold-up rear steps, \$800; 1951 Red Belly, \$700. Kathy Hamby, Pinnacle 336-325-2425.

**Tricycle tractor**, C-model, needs work, \$2,500. Jeff Brittain, Hickory 828-327-4782.

**Shaver post driver**, \$1,500; Fella disc mower, \$2,500. James Lowe, Siler City 336-622-2954.

### FARM EQUIPMENT

**New 4 ft. pulverizer**, \$1,230; Caterpillar box blade, 6 ft., \$995; hiller w/layoff plow, \$500; pull type plugger, 4 ft., \$775; 6 ft. pulverizer, \$975. Chris Witherspoon, Valdese 828-381-6857.

**Hay elevator**, 24 ft. hgt, adjusts, on wheels; not for corn/grain, \$500. C.E. Euart, Faith 980-565-8391.

**Sitrex 8-wheel rake**, working cond., \$400. M.G. Welborn, Boonville 336-816-4700.

**NI #12 manure** spreader, ground-driven, single axle, new tires, EC, \$2,000. Sam Callo-way, Thurmond 336-874-2261 or 366-0226.

**Hay spike**, 3 pt, GC, \$150; scoop pan, 3 pt, GC, \$200. J. Lloyd Mabe, Danbury 336-703-8232.

**1997 JD 9500** combine & 2001 JD flex header, 20 ft., w/header cart, \$28,500 obo. Michael Brady, Shelby 704-477-4834.

**AC-G tractor**, w/48 in. mower, EC, \$2,600; Intl 1066 tractor, w/long reach bush hog, GC, \$10,000; Intl 140 tractor, GC, \$2,500. Claude Hamlett, Leasburg 336-694-6874.

**Quick attach** bucket & pallet forks; buckets, 76-78-84 in., \$950; forks, \$800. Gerald Dyson, Statesville 704-880-7632.

**NH 853 rnd** baler, makes 5x5 bales, \$1,500; 18 ft. hay elevator, \$700. Ronnie Brogden, Creedmoor 919-528-1767.

**1985 Duetz-Allis** air planter, 6-row, 30 in., fert tank, corn, soybeans & sorghum plates, \$6,500; veggie packing line/washer, brush rollers, 20 ft. conveyor line, \$12,500 obo. Mary Ann Icenhour, Taylorsville 828-312-1197.

**Wood-mizer LT40** sawmill, hyd, 750 hrs., \$20,000. David Pace, Archer Lodge 919-553-5165.

**Farmall 100**, for parts or restore, no equip, \$1,200. Charles Burton, Watha 910-282-5346.

**JD 447 hay** baler, 4x4 rnd, string wrapped, GC, \$5,500. Scott Murdock, Troutman 704-902-3675.

### FARM EQUIPMENT

**1994 Troy-Bilt** horse tiller, 7hp Briggs eng, elect. start, selective trans, LNC, used little, w/new hiller, furrower, manuals, \$1,650. Earl Hammock, Eden 336-635-1110.

**Bush hog**, 4 ft., 3 pt, \$500. Roy Duncan, Greensboro 336-674-5973.

**JD 2030 diesel** tractor, runs well, new injector pump & injectors, new lift pump, new seat, \$6,500. Mike Bennett, Jackson 252-534-1201.

**Bush Hog 2345QT** loader, w/joystick control, bucket, attaching brackets, EC, \$2,500. Steve McCauley, Mebane 336-263-2823.

**NH 850 rnd** baler, used 2022, \$750; Aeromotor windmill, 8 ft. mill, 40 ft. tower, will pump water, \$6,300. Hal Garmon, Davidson 704-363-6059.

**1964 Intl 140** 2-14 plow, high beam trip foot, cults, all-purpose ripper, disc hillers, scrape blade; bush hog, new brake bands, \$4,800. Eddie Davis, Seagrove 336-879-3509.

**2020 Craftsman** riding mower, 42 in. cut, 17hp, VGC, \$1,600. Wayne Jones, Walstonburg 252-236-6090.

**Aerator for riding** mower, plugger type, wheels, wgt for top, \$225. G. Stowe, Graham 336-675-0466.

**JD 4 cyl diesel** eng, not running, complete, \$1,000; dual wheels w/18x38 tires & spacers from IH 986 tractor, \$850. Brent Strickland, Louisburg 252-213-2667.

**AC 72 combine**, all crop, pull type, \$800; McCormick #7 grain drill, single disc fert & grain box, no rust, \$500. David Elliott, Kernersville 336-448-8644.

**Gehl 2345** disc moco, 9 ft. cut, shed kept, GC, \$5,500. Bill Scotton, Staley 336-215-5651.

**H77 hay bind**, ready for use, \$4,000. Jimmy Tucker, Yadkinville 336-408-7575.

**JD Z-245** lawn mower, zero turn, 924 hrs., 48 in. cut, runs well, deck has some patches but still cuts, \$1,800. Will McCallum, Rowland 910-740-3267.

### FARM EQUIPMENT

**AC plow**, \$200; AC ripper, \$200; AC hole digger, \$200; AC 45 & bush hog, \$3,000; boom pole, \$200; dirt pan, \$200; other items. Pete Hallyburton, Cleveland 704-213-4537.

**NH 850 rnd** baler, \$800; NH 851 rnd baler, \$1,000; NH 498 hay bine, \$500; auto cow head gate, \$300. Tom Carter, Reidsville 571-220-9381.

**MF 1308 disc** mower, EC, used little, \$6,000; 7 ft. pull type cutaway bog, \$900. Mark Brown, Cleveland 704-682-6097.

**JD 6600 sidehill** combine, FC, \$2,500. Gerald McSwain, Norwood 704-985-4003.

**NH 848 rnd** baler, w/computer box, \$3,500 obo. H.A. Stogner Jr., Norwood 704-438-1169, call or text.

**Cub sickle bar** mower, \$400. Eugene Bassi, Greensboro 336-965-3921, no texts.

**Bouldin & Lawson** maxi flat filler greenhouse pot & tray filling machine, model 13375, EC, all attach incld, \$16,495 obo. Clarence Dean, Belhaven 267-614-3967.

**Old Farmall 100**, w/3 pt hitch, cults, turning plow, harrow, potato blade, scrape blade, ridge runner, \$1,400. Jim Robbins, Snow Camp 336-565-8499.

**Horse drawn equip**, McCormick Deering mowing machine, \$800; McCormick Deering hay rake, \$600; Oliver mowing machine, \$500; McCormick Deering mowing machine trailer gear, \$1,000; other equip. Robert Payne, Marshall 828-768-3011.



### Equipment Wanted

**Ford 309** corn planter plates; corn, beans, sorghum & filler plates; Ford 309 corn planters for parts. Charles Chamelin, Kernersville 336-769-4418.

**Unstyled AC-WC**, not running, mostly complete. C.E. Euart, Faith 980-565-8391.

**EQUIPMENT WANTED**

**8-row shielded sprayer,** & 20.8x38 tire, 50%+ tread. Brent Strickland, Louisburg 252-213-2667.

**Hay Express 3-bale hay hauler.** Scott Rivers, Wadesboro 704-694-8248.

**3 pt hitch boom sprayer.** Bobby Hice, Lowgap 336-352-4048.



**Farm Labor For Sale**

**Vert & horiz mowing,** ponds, dams, shooting lanes, reclaiming property, fence lines, \$85/hr.+ deliv of equip. Roger McKenzie, Jackson Springs 910-528-2293.

**Cattle artificial insemination,** no farm too small, \$50-\$150. Keith Parson, Sanford 919-410-6046, cow-breeder1022@outlook.com

**Energizer repair,** afw, zareba, ssc, parmak, \$20. Bobby Nichols, N. Wilkesboro 336-927-2850.



**Farm Labor Wanted**

**Barn roof repair,** man who knows how to patch tin roof on a barn using tin patches, sheet metal screws, caulking, fibered mastic. Don Thomas, Broadway 919-604-0872.



**Farmland For Sale**

**Land for sale must consist of at least 3 acres and be used for agricultural purposes, i.e. cultivation, raising livestock and/or other farm commodities. Advertisers must state land use.**

**Grazing pasture** for rent in Brunswick co, 7 1/2 ac, 3 ac woven wire elect. fence, \$0-\$50. Lori Feezor, Bolivia 910-455-4590.

**18 ac hay land** for rent, 4x4.5 rnd, \$6/bale. J. Lloyd Mabe, Danbury 336-703-8232.

**73.2 ac Pinnacle,** Surry co, near Pilot Mtn., land locked, \$4,400/ac. Larry Blackburn, Advance 336-608-0552.



**Farmland Wanted**

**Approx. 50 ac** to purchase in rural Caswell or Person co, paved rd frontage, natural streams, mostly wooded & some open land. Jack Lunsford, Burlington 336-675-3071.

**Land to lease** in Johnston, Harnett, Sampson, Wayne, Wilson, Nash, Franklin, or surrounding areas for deer & turkey hunting. Caleb Johnson, Selma 704-223-4152.



**Hay & Grain For Sale**

**2024 fescue,** sq bales, \$7; 4 ft. rnd bales, \$30. WD Wood, Denton 919-302-0549.

**HAY & GRAIN**

**Fescue hay,** horse quality, 4x5 rnd, in barn, clean, \$80/bale; cattle & goat hay, 4x5 rnd, in barn, \$60/bale. Justin Ridenhour, Salisbury 704-239-4032.

**Orchard grass/fescue mix,** spring '23 cut, horse quality, sq bales, no rain, \$6.50/bale; rnd bales, in barn, \$45 ea. Elizabeth Macdonald, Blanch 336-459-6776.

**2023 mixed grass hay,** horse quality, no rain, min. purchase of 20, \$6/sq bale. Vernon Hill, Mt. Pleasant 980-621-5091.

**Peanut hay,** rnd bales, net wrapped, 7 loads remaining, can deliv 42 bales/load, \$25/bale. Larry Bullock, Greenville 252-883-4748.

**2023 fescue,** 4x5 rnd, net wrapped, barn stored, \$30-\$50. Gene Bailey, Siler City 919-742-3765.

**Hay,** 4x5 md, \$45/bale. David Lomax, Denton 336-688-5313.

**Fescue,** sq bales, \$6/bale; 5x4 rnd, \$35/bale. Ronnie Brogden, Creedmoor 919-528-1767.

**Fescue hay,** \$6 ea.; rnd bales, \$50 ea. T.C. Berrier, Lexington 336-764-1051.

**Horse quality hay,** deliv avail, \$50/rl. H.O. Davis, Elon 336-260-7606.

**Fescue & orchard grass,** sq bales, \$6/bale. Sylvia Reid, Welcome 336-731-4015.

**Quality Bermuda hay,** 4x5 rnd, stored, clean, no weeds, rain, litter or preservatives; deliv avail, \$80/bale cash or Zelle only. Victoria Rehder, Lillington 910-964-0087, call or text.

**120 bales Coastal Bermuda hay,** horse quality, out of barn, \$6. Gary White, Sanford 919-775-9769.

**Fescue hay,** 4x4 rnd bales, good quality, stored inside, \$40 ea. Valerie Cockerham, Yadkinville 336-416-2240.

**Rye straw,** \$5.25/bale. Martin Moss, Concord 704-783-8366.

**Horse quality orchard grass/fescue,** rnd bales, \$50; orchard grass, sq bales, \$7; cow hay, rnd bales, \$35. Johnny Sowers, Lexington 336-239-3020.



**Horses & Supplies For Sale**

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PLEASE NOTE: All equine 6 mos. or older must have a current negative Coggins test. Advertisers must supply the accession number of test, the name of lab doing the test, the date of test and results for each equine advertised. The following advertisers have provided proof of a negative Coggins test.  
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**Western roping saddle,** 17 in.; 17 in. light wgt saddle; misc tack, bridles, halters, bits, etc., \$300. Leo Lynch, Mill Spring 864-680-4777.

**HORSES & SUPPLIES**

**10 in. youth saddle,** LN, \$100. Ronnie Crouch, Statesville 704-528-0441.



**Livestock For Sale**

**(2) Belted Galloway steers,** 12-14 m/o, \$650 ea. A. Furr, Rockwell 704-798-3460.

**Fainting goats,** \$150 & up. Joan Culberson, Snow Camp 919-259-6139.

**Simmental & SimAngus herd bulls,** blk, polled, bred for calving ease, muscle, growth & disposition, \$3,000-\$3,500. William Pyle, Franklinton 919-215-5677.

**Kiko/Boer cross kids,** young nannies & bucklings, traditional & tri-colored, established, proven bloodlines, SRQA certified, \$175 & up. David Deatherage, Gibsonville 336-210-4355.

**Boer goats,** healthy, \$200-\$300. Heather Davis, Greensboro 336-420-7470.

**Reg Angus bulls,** 17 m/o & 2 1/2 y/o, BSE tested, bloodlines Yon Hazel, Yon National, Deer Valley Patriot, Connealy National, Basin Payweight, Ellza of Conanga, \$3,000- \$3,500. Aaron Rumley, Burlington 336-675-1712.

**Pygmy goats,** multi-colored, 3 m/o billies, \$150; nannies, \$175; 1 y/o twin nannies, \$200 ea. Ronnie Crouch, Statesville 704-528-0441.

**St. Croix ewes,** reg, \$450 ea.; St. Croix rams, \$350 ea. Valerie Cockerham, Yadkinville 336-416-2240.

**Reg Angus bulls,** bred for calving ease & efficiency, \$3,000; reg SimAngus 2 y/o, calving ease, W/C Nightwatch sire, \$4,000; other reg Angus avail. Steve McPherson, Snow Camp 336-263-6042.

**Kiko/Savanna cross kids,** dob 4/24; buck yearlings, dob 3/23; established, quality bloodlines, healthy, hardy, easy keepers; kids avail 7/1/24, yearlings avail now, \$150-\$300. David Ward, Burlington 336-266-1457.

**Weaned female kids,** Kiko/Guernsey, Alpine/Guernsey, LaMancha/Guernsey, Kiko/Alpine, \$300. Donna Sizemore, Liberty 919-428-6319.

**Blk Angus bulls,** good bloodline, \$1,000. Franklin Lednum, Liberty 336-622-2389.



**Livestock Wanted**

**Nubian buck for stud,** to breed doe in Oct/Nov, unreg is ok. Chelsea Thomas, Walnut Cove 336-817-1502, text.



**Poultry & Supplies For Sale**

**California,** silver California, Bluescales, Gambel's; 8 breeds bobwhite; partridge, Philby, chukar, Hungarian, \$6 & up. Jimmy Furr, Stanfield 704-888-0213.

**POULTRY & SUPPLIES**

**2023 peacocks,** (3) females, (1) male, \$130 & up; 2024 peacock chicks, \$35 & up. Richard Simmons, Clarendon 910-640-7114.

**(4) pet Muscovy ducks,** (2) male & (2) female, 4 y/o, only 1 flies, free. Caroline Young, Burlington 919-225-0852.

**Australian Blk swans & Mute swans,** \$600 & up; Cape Barren geese, \$600 & up; Ruddy Shelducks, \$150 & up. Jim Simpson, Indian Trail 704-361-6497.

**Dutch Hookbill ducklings,** from Dave Holderread breeding pairs, not sexed, \$25. Donna Sizemore, Liberty 919-428-6319.



**Seeds & Plants For Sale**

PLEASE NOTE: Individuals or business selling seed in North Carolina are required to obtain a Seed License (Retail or Wholesale). For more information contact NCDA&CS Plant Industry Division at 800-206-9333 or 919-707-3739.

**Leyland Cypress Green Giants,** Alberto Spruce, Emerald Green Aborvitae, 16-36 in., \$12-\$21. David Gabriel, Elon 336-260-1298.

**Sorghum cane seed,** freezer kept, late orange variety, untreated for grasses & weeds, \$10/lb. Larry Stout, Waynesville 828-400-1550.

**Rabbiteye blueberry plants,** 2 y/o, lrg, healthy, Climax, Tifblue, Premier, Powderblue, Brightwell, \$10 ea. Michael Roberson, Trinity 336-862-3488.



**Supplies For Sale**

**Liquid fertilizer,** Texas Pasture Plus 15-10-5; Texas Pasture Plus Organic; Texas Pasture Plus C&C, \$15 ea/ac. Wesley Hulin, Denton 336-250-2941.

**3-panel cement fence,** approx. +/- 200 ft., \$3/ft. Tommy Sink, Lexington 336-787-5996.

**New & used water pumps,** \$250. J. Lloyd Mabe, Danbury 336-703-8232.

**Water totes,** \$75; metal & plastic barrels, \$10; feed barrels, plastic lids & rings, \$20; burning barrels, \$10. Jeff Brittain, Hickory 828-327-4782.

**Logs for firewood,** deliv w/in 25 mi, \$80/load if buyer hauls. David Lomax, Denton 336-688-5313.

**Used plastic nursery pots,** blk, 1-gal. up to 5-gal., around 500+ avail, \$0.25 ea. Ralph Simmons, Kannapolis 704-932-1655.

**Red oak logs,** assort. timber/firewood, crosscut sawn, tomato stakes, tobacco sticks, \$1-\$1,000. N. Lee, Advance 336-998-8922, nights.

**FARM SUPPLIES**

**Farm cut firewood,** 6 ft. bed or under of rnd wood & some split, p/u only, \$40. G. Stowe, Graham 336-675-0466.

**150 ft. of 4 ft. chain link fence,** w/posts, top railing, clamps, 4 ft. gate, \$600 obo; 120 ft. 3-rail vinyl fencing, w/rails, posts, caps, \$550 obo. Alice Davis, Salisbury 704-855-4930.

**Detroit diesel generator,** 2-71, 12.5kw, 3-phase, \$4,500. Jerry Metcalf, Nebo 828-659-2171.

**Myers shallow well pump,** 1hp, w/regulator, EC, \$175. Jack Matthews, Charlotte 704-846-1903.



**Supplies Wanted**

**Hand-cranked corn sheller.** Henry Zehr, Union Grove 336-468-6370.



**Trucks & Trailers For Sale**

**Rawhide stock trailer,** 16 ft., \$2,000. Peggy Harless, West Jefferson 336-846-9457.

**Steel livestock trailer,** \$800. John Fox, Browns Summit 336-656-3964.

**4-wheel trailer,** 13x6x6.5, 2-axle, tilt bed, GC, \$1,900. J. Lloyd Mabe, Danbury 336-703-8232.

**1999 Ford F-350 dually truck,** 7.3 diesel motor, 180,000 mi, EC, \$20,000. Claude Hamlett, Leasburg 336-694-6874.

**2004 JD HPX gator,** 2wd, twin cyl water-cooled eng, 376 hrs., \$8,000. Steve McCauley, Mebane 336-263-2823.

**1984 Chevy C-60,** 366 eng, 5-spd, hi-lo trans, 20 ft. flatbed, \$2,000. Ronnie Brogden, Creedmoor 919-528-1767.

**16 ft. trailer,** (2) 3,500-lb. axles w/brakes on both, ramp, back gate, \$3,500. Gerald Dyson, Statesville 704-880-7632.

**2018 PJ gooseneck trailer,** 30 ft., flatbed, 20,000 lb. axles, \$9,000. H.O. Davis, Elon 336-260-7606.

**2005 Chevy Colorado,** 4-dr, tow pkg, 192,000 mi, VGC, \$8,900. Wayne Jones, Walstonburg 252-236-6090.

**2023 Calico stock trailer,** 16 ft., bumper pull, cut gate, \$8,995. Y.D. Saul, Elon 336-213-6292.

**ARE brand truck camper cap,** silver exterior, white interior, fits Ford or Chevy 8 ft. bed, sliding side windows, front windows, interior lights, \$500. Tony Smith, Raleigh 919-971-1800.

**1948 Intl 1/2-ton p/u,** garage kept, clean, \$13,500; 48x102 Van trailer, \$2,500. Miles Little, Midland 704-791-1438.

**To keep up with the latest on the N.C. Department of Agriculture and Consumer Services, check out our blog at [blog.ncagr.gov](http://blog.ncagr.gov), or follow us on Facebook, Instagram and Twitter.**

# #NextGenAg: Lumberton's Nicole Hall advocates for ag

Within every industry is a group of people who elevate connections, support the products, and believe in the message so much that they are willing to do whatever it takes to share that message with the world.

For the N.C. Agriculture industry, Nicole Hall is one of those people. Growing up in a world that was traced by agriculture, Nicole always knew that something about this industry was calling her home. Although it wasn't until later in her college years that the spark of agriculture ignited in her life, she has been a firm supporter of the industry since the beginning.

A native of Lumberton, Nicole grew up surrounded by agriculture both within her family and across the community. "Lumberton is a huge agriculture community. You can hardly turn the corner somewhere without seeing a farm or a field," she said. "I heard so many stories growing up from my dad, mom and other members of the community about the importance of agriculture and how it had shaped their lives."

Nicole's father worked on a farm for many years of his life. In fact, some of Nicole's very first memories of agriculture were helping to shuck corn and shell peas on the front porch with her family.

"My mom was a florist so, in addition to the crops that we had on the farm, we had a large plot of flowers where my mom would plant and work," Nicole said. "My father always told me that I reminded him

of his father, my grandfather, because I would walk the rows of flowers and talk to them in the same way that my grandfather used to walk the rows of tobacco and talk to it."

Nicole's family also had many friends throughout the community that were involved in agriculture and gave her many experiences with different crops at a young age, including her Uncle Sam that brought truckloads of sugarcane to the house.

"I would sit down and chew on that stick like my life depended on it," she laughed. "I learned at a young age how important agriculture was and how hard the people in this industry work to grow the products that we need and love."

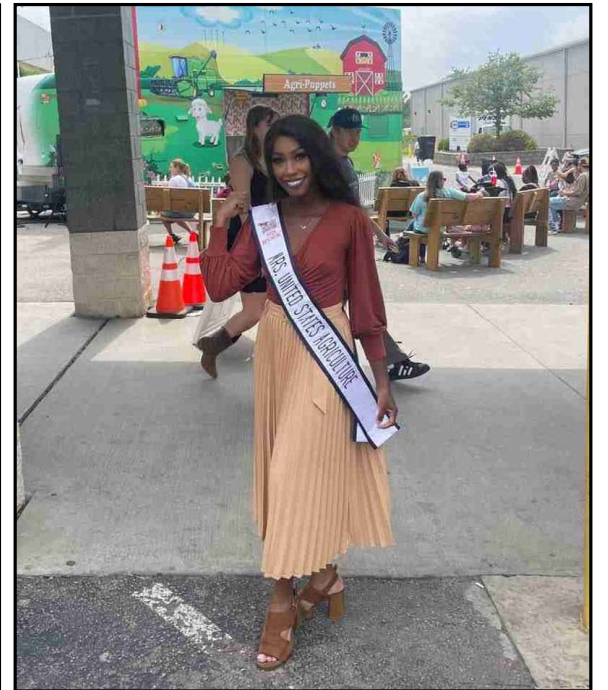
At the age of 18, one of Nicole's friends invested in an alpaca farm and her love for livestock began. Today, Nicole raises chickens on their family farm for large scale corporations like Smithfield Foods. "I've never lived a life without tractor crossing signs and agriculture surrounding me," she said. "As I look back on my life today, I see that agriculture has traced and shaped me every step of the way."

Although she went to Lumberton High School and was in the FFA for a short time, it wasn't until her late college years at Campbell University that Nicole realized her love for agriculture and desire to make it her life path.

"I actually graduated from Campbell with a degree in Biology," she said. "I didn't realize how much I loved agriculture until one of my professors,



Nicole Hall was recently crowned National Mrs. U.S. Agriculture and plans to use her platform to talk about the importance of North Carolina agriculture and its contributions to the state and nation.



who was also a farmer, started giving us hands-on experience at his farm. It was there that the spark ignited for me. I believe the embers had always been there from my family history and childhood, but they were fully ignited towards the end of my college years."

Since graduation, Nicole has been spending a lot of her time advocating for the industry, growing her family farm, and building her platform as a leader in agriculture. Last year she served as Mrs. U.S. Agriculture, and she was recently crowned National Mrs. U.S. Agriculture, where she will serve until July of 2025!

"My goal is to help bust the myths that are associated with agriculture and educate others on the true nature and importance of the industry," Nicole said. "Agriculture keeps everyone fed, holds up our economy, produces the clothes we wear and so much more. Until my last breath, I will use my platform and influence to spread the word about what N.C. Agriculture does for our state and the world."

Her goal in 2025 is to compete in the Mrs. USA pageant and bring the awareness of agriculture to an even wider audience.

In addition to her position as

National Mrs. U.S. Agriculture, Nicole farms and raises chickens in Lumberton and she is also working towards some big dreams, like writing a series of agriculturally based children's books and a local farming and culinary TV show. The first children's book, which focuses on a chicken nugget, is planned to be released sometime in the later part of 2025. Nicole is excited to help bring the world of agriculture to a younger audience in a fun and educational way. Her biggest dream, however, is to have her own sustainable farm

(See NextGenAg, pg. 5)

## N.C. Forest Service tracks emerging forest pests

Nonnative invasive species are a hot topic these days, and rightfully so as they are considered one of the greatest threats to biodiversity. News headlines are filled with stories of emerald ash borer (EAB) causing widespread decline of ash trees, zebra mussels clogging waterways, Bradford pear and tree of heaven choking out forests and feral hogs plowing through an area consuming anything in their path.

Over the past centuries, globalization has led to the intentional and unintentional introduction of more than 37,000 species beyond their natural ranges. Over time, more than 3,500 species have been introduced and classified as invasive, wreaking havoc on their new environments by outcompeting native wildlife, disrupting ecosystems and causing significant economic damage. North Carolina alone spends an average of \$1.6 million annually on invasive species removal (2020), and this does not account for the cost of research, the financial burden for private landowners, the loss of biodiversity and aesthetic decline of natural areas.

So, what's looming on the horizon for North Carolina?

The Asian longhorned beetle (Anoplophora glabripennis, or ALB) is no new threat. Although it remains undetected in the state, a disjunct population was discovered outside of Charleston, SC, in 2020, indicating that it's something North Carolinians should remain cognizant of. ALB is native to China and Korea and feeds on roughly 29 hardwood species, with maple being the preferred host. It was first discovered in Brooklyn, NY, in 1996 and has since been found in other parts of the Northeast, killing valuable shade trees and forest trees of economic value such as sugar maple (*Acer saccharum*).

Females chew dime-sized notches in the bark of host trees to lay their eggs. Following hatching, larvae primarily consume sapwood, disrupting vital water and nutrient transport within the tree. As they mature, larvae migrate deeper into the heartwood, creating tunnels as they feed. This severely compromises the structural integrity of the host, making it more vulnerable to breakage, which poses a significant hazard during wind or ice storms.

Once an individual tree is infested, there is no remedy,



Pictured above are the elm zigzag sawfly and the Emerald ash borer, two highly destructive forest pests in North Carolina.

although eradication of ALB is possible with early detection and rapid response. Infested and high-risk trees are removed and destroyed by chipping, a method developed by the ALB Eradication Program, which has proven successful in several locations in the Northeast. Students at N.C. State University are actively investigating eradication methods in South Carolina

tailored for southeastern bottomland hardwood forests, as the distinct climatic conditions pose a novel set of challenges for professionals when compared to the hardwood forests of the Northeast.

What can you do? Familiarize yourself with the beetle's appearance and be on the lookout for the following signs and symptoms of an ALB infestation:

The elm zigzag sawfly (*Aproceros leucopoda* or EZS) is native to China and Japan, and as its name suggests, infests elm trees (*Ulmus* spp.), leaving behind zigzag patterns in the leaves as the larvae feed from the edge of the leaf toward the midvein. While established in Europe since 2003, the exact origin of the EZS population present in North America remains unclear. Since its initial detection in Canada in 2020, the sawfly has spread to several states in the Northeast. The first confirmed sighting of EZS in North Carolina was in August 2022 near the border of Stokes and Surry counties, marking the southernmost extent of the EZS spread. Much like the Asian longhorned beetle, their spread has been spotty, suggesting that humans may be aiding in their extended dispersal.

EZS larvae are capable of significant defoliation, sometimes consuming more than 90% of leaves in heavily infested trees. They are strong fliers who are known to travel up to 56 miles annually, reproduce asexually and have multiple generations each year. All of which may be significant factors contributing to their invasive potential. However, there's currently no evidence to suggest EZS is causing mortality of elm trees in North Carolina. While healthy trees can typically survive repeat years of defoliation, the long-term effects on their resilience are still unknown. Students at N.C. State University are actively monitoring the phenology of EZS in the southeast, investigating alternate hosts and assessing the potential ecological impacts this pest may have on our forests and urban areas.

As of 2023, the infestation is currently thought to be limited to Stokes and Surry counties, but ongoing surveys will determine the extent of the infestation. Though the adult may be difficult to distinguish from other native sawfly species, their larvae's distinctive zigzag feeding pattern on elm leaves offers a dead giveaway. It's important to note that other sawfly larvae in the

(See Emerging pests, pg. 4)