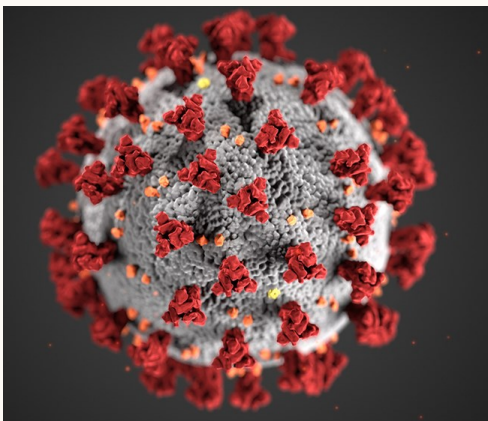


1st Edition of NC Cooperative Extension
Iredell County Center's

Iredell-Informed Newsletter

Springtime is known for its "newness" and here at the Iredell County Center, we are starting something new—a newsletter to keep Iredell Citizens informed in the areas of Agriculture, 4-H Youth Development, and Family-Consumer Science.



COVID-19 Resources and Information

COVID-19 is impacting every area of our lives these days, but NC Cooperative Extension Iredell Center is still here to help the citizens of Iredell County!

For more information on Iredell County's, NC Cooperative Extension's, and NC State University's COVID-19 Response and please see the following links:

- <https://iredell.ces.ncsu.edu/>
- <https://covid19.ces.ncsu.edu/>
- <https://www.ncdhhs.gov/divisions/public-health/covid19>

Iredell County Center

444 Bristol Dr, Room 110, Statesville, NC 28677

HOURS: MON-FRI 8A-5P

(704) 873-0507



You can contact us at (704-873-0507) or reach out directly to the specific agent you need via e-mail.

- Director, Nancy Keith- Dairy
- Andrea Sherrill, Family-Consumer

Science Agent

- Matt Lenhardt, Horticulture Agent
- Laura Elmore, Crop/Livestock Agent
- Jenny Carleo, Area Specialized Agent, Agriculture - Grain Crops
- Taylor Jenkins, 4-H Youth

Development

- Kelly Pierce, 4-H Program Associate



Crops and Livestock



What's in your pasture?

Click on the image above for a helpful identification guide on what may be growing in your pasture.

Now is the time to be scouting your pastures and hayfields to assist you in your management decisions. Timely applications of fertilizer and herbicides will greatly improve your forage quality and yield. Check out this link to more information about forage management options--

<https://forages.ces.ncsu.edu/publications/>

If you have more questions about pasture management, e-mail



NCDA Agronomic Division no longer accepting routine soil samples

As of March 30th, until further notice, the NCDA labs will be operating on a limited basis, accepting only samples deemed 'priority' or 'essential'. **The samples being accepted include the following: soil diagnostic, nematode diagnostic, nematode pinewood, nematode molecular diagnostic, plant tissue, solution, soilless media and waste samples not covered by the NCDEQ waiver on liquid animal waste.**

Homeowners are encouraged to hold off on sending in routine soil samples for testing.



Iredell County Cattlemen's Association meeting (April 22,2020) is canceled.

Planting Soybeans Soon?

Learn two pre-plant soil fertility tips for 2020 from Dr. Luke Gatiboni, NC State University's new Extension Specialist in Soil Fertility in this new video:

[Soybean Pre-plant Fertility Tips](#)

Want more Extension information in video form...check out **[NC State Extension's Youtube Channel](#)** and Subscribe today!

Waters Agriculture Labs is a private lab that can process soil samples for a fee. Visit their website for more info: **<https://watersag.com/>**



Field Crops:

2020 Virtual Small Grains Field Day

<https://cals.ncsu.edu/crop-and-soil-sciences/news/small-grains-field-day-goes-virtual/>

Do your early planted soybeans need a fungicide treatment? (video)

<https://soybeans.ces.ncsu.edu/2020/03/fungicidal-seed-treatments-in-early-planted-soybeans-2019-research-update/>

It is time to be thinking about marestail control in fields. (Link to recommendations for managing herbicide resistant marestail)

<https://soybeans.ces.ncsu.edu/2020/03/march-is-the-time-to-be-thinking-marestail/>

Dairy

To: Animal Feeding Operation Owners, Operators-In-Charge, and Certified Technical Specialists

From: Ramesh Ravella, Animal Feeding Operations Program Supervisor

Date: March 24, 2020

RE: Annual Report and Waste Sampling

3/24/2020

In light of the COVID-19 pandemic and the associated disruptions to routine operations and technical support, the Department of Environmental Quality (DEQ) has made the following decisions:

1. DEQ will accept an Animal Facility Annual Report Form under State General Permits AWC100000, AWC200000, and AWC300000, Condition III.18 for a covered facility as timely if the report is received by June 1, 2020. This means that the deadline for submission has been extended from April 1, 2020 to June 1, 2020.
2. DEQ has granted a waiver from March 20, 2020 until June 1, 2020 for waste sample collection and analysis requirement for all permitted animal feeding operation facilities. This waiver will be re-evaluated for an extension depending on the COVID-19 outbreak status before June 1, 2020.

For routine waste applications, permittees have three options. They may use the most recent waste analysis, they may use the waste analysis done during the same time last year, or they may use the average of the past three years' waste analysis to calculate the quantities of nutrients that are land applied. Permittees need to make a note in their records of the chosen option. All permittees are encouraged to retain a copy of this memo in the facility records to show the lapse in the waste analysis due to COVID-19 disruption in fulfilling general permit conditions.

Under special circumstances such as Sludge Cleanout and Lagoon Closures, the permittees should collect a sample of the sludge and submit for analysis. The North Carolina Department of Agriculture and Consumer Services (NCDACS) Agronomic Laboratory will be operating on a limited schedule and will continue to analyze sludge samples and other samples necessary for critical/special circumstances. The NCDACS Agronomic Laboratory's operating status is subject to change as this COVID-19 outbreak is evolving.

Please feel free to contact Ramesh Ravella at 919-707-3702 and Christine B. Lawson at 919-707-3664 should you have any questions.



North Carolina Department of Environmental Quality | Division of Water Resources
502 North Salisbury Street | 9th Floor Mail Service Center | Raleigh, North Carolina 27609-9636
919.209.7000

Click the image above for updated information from the Department of Environmental Quality concerning Annual Reporting and Waste Sampling.

Alltech On-Farm Support and NC Dairy Extension present a webinar on

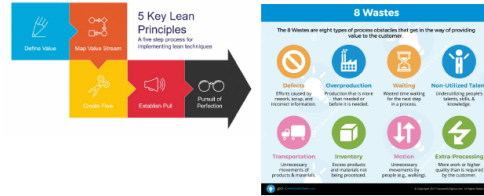
Lean
farming

Reduce waste, create flow, increase value



with Dr. Jeffrey Bewley, a Lean Farming Master Trainer. He also brings years of practical experience working with dairy producers around the world. **Principles of lean manufacturing** have been applied in multiple industries for decades. Recently, this concept has made its way into agriculture. **Lean** is a **production system and a management philosophy**, focused on creating more value with less resources. Progressive dairy operations have applied this concept to improve their organization processes and culture.

Lean thinking employs **5 key principles** toward identification of **8 types of waste**, both described below. Lean is an approach toward viewing the dairy farm as a complete system.



Webinar Information

April 9, 2020 @12:30PM

Click [here](#) (to join via computer)

**NC STATE
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NC Dairy Extension is partnering with Alltech On-Farm Support to bring you a webinar about Lean practices in Dairy Farming. Join us on April 9, 2020, @12:30 p.m. To Join the session on the 9th, [click here](#).

For more information on this event, Visit the NCSU Extension Dairy [Webpage](#).



COVID-19 Prevention and Control for Farms

Dr. Richard Stup, PhD, who heads the Agricultural Workforce Development program at Cornell University, is widely known for his personnel management expertise. In this episode, he tells us about a variety of issues to consider and plan for in keeping farm families and farm employees safe, and keeping the farm business running.

<https://dairyvoice.com/>



Family and Consumer Science



Click the images above for more information on how to protect yourself, your family and your community, during the COVID-19 Pandemic. NC 2-1-1 is an assistance center setup to connect families with resources and information, specifically about the pandemic.

"We are here to serve you!"

For more information on food safety and Family Resources, please contact
FCS Agent, Andrea Sherrill



COVID-19 PREVENTATIVE MEASURES

PREPARING FOR AN OUTBREAK IN YOUR COMMUNITY

A COVID-19 outbreak could last for a long time in your community. Creating a household plan can help protect your health and the health of those you care about during an outbreak of COVID-19.

- ✓ **Talk with the people who need to be included in your plan.** Meet with household members, other relatives, and friends to discuss what the needs of each person will be.
- ✓ **Plan ways to care for those who might be at greater risk for serious complications,** such as older adults and persons who have underlying chronic medical conditions.
- ✓ **Get to know your neighbors and talk with them about emergency planning.** If your neighborhood has a website or social media page, consider joining it.
- ✓ **Identify aid organizations in your community** that you can contact in the event you need access to information, health care services, support, and resources.
- ✓ **Create an emergency contact list for your household** for family, friends, neighbors, health care providers, the local public health department, etc.
- ✓ **Practice everyday preventive actions now.** This includes avoiding close contact with people who are sick, staying home when you are sick, covering your coughs and sneezes, cleaning/disinfecting frequently touched surfaces, and washing your hands.
- ✓ **Choose a room in your home that can be used to separate sick household members from those who are healthy.** Plan to clean these rooms when someone is sick.

NC STATE
EXTENSION

Stay informed: go.ncsu.edu/covid-19
www.cdc.gov/coronavirus/2019-ncov
Updated March 16, 2020

NC STATE
UNIVERSITY

Click on the image above to be connected with NCSU/NC State Extension's webpage on Food Safety Resources directly related to COVID-19.

Immune Boosting Foods

Grapefruit



Packed with vitamin C makes this an immune-boosting essential. They are packed with bioflavonoids, which are phytonutrients.

Cruciferous Vegetables



Rich in antioxidant vitamins which give an immune system boost, and also contain Choline which keeps your cells functioning properly and helps maintain healthy gastrointestinal tract.

Carrots



A great source of beta carotene which support the body's mucus membrane, which lines the respiratory and intestinal tracts, making it harder for bacteria to enter the bloodstream.

Cinnamon



Cinnamon is an antiviral, antifungal, and antibacterial and an immune system booster. It actually fights the pathogens that cause illness.

Berries



Berries contain antioxidants responsible for the health of your immune system, as well as your body's ability to destroy invading bacteria and germs. They also contain vitamin C and magnesium, two nutrients that are essential in maintaining the strength and function of your immune system.

Mushrooms



A major source of the immune system-boosting mineral, zinc. If you don't have enough zinc in their diet tend to have fewer white blood cells to help fight off disease, which can lead to a reduced immune response.

Kale



Greens such as kale, spinach, and Swiss chard are immune-boosting foods that contain high levels of vitamin C, which help fight off infection and regenerate other antioxidants in the body, including vitamin E. They also contain folate, another immune booster.

Watermelon



Contains antioxidant Vitamins A and C, which helps to neutralize free radicals than can lead to inflammation, general sickness and chronic illnesses such as stroke and heart attack. It contains beta-carotene, which helps fight cancer, particularly colon cancer. Lycopene, a carotenoid found in watermelon provides additional cancer fighting health benefits.

Spring Lawn Herbicide Considerations

If you want to keep away a lot of those summer weeds (such as crabgrass) then apply a pre-emergent herbicide to your lawn. Pre-emergent herbicides bind to the top one inch of soil and create a chemical barrier where weed seeds germinate. However, they only work on annual weed seed before they emerge, so if you have a lot of perennial weeds that come back from rhizomes and roots, pre-emergents won't be effective. They also won't be effective on most annual weeds that have already emerged, in which case a "post-emergent" herbicide should be used. Pre-emergent herbicides come in liquid, powder, or granular form. The most convenient method of application for homeowners is to apply a combination fertilizer with a pre-emergent in a granular form. Pre-emergent herbicides must then be watered in the soil to be effective. Also remember that timing is very important when applying pre-emergent herbicides. It is recommended to apply one split application of pre-emergent herbicide in mid-February, and again in mid-April to cover early and later germinating weeds.

For more lawn and horticulture questions,
please reach out to **Horticulture Agent Matt Lenhardt**.

4-H Youth Development



We are thinking positive and looking forward to seeing all of our 4-H youth's smiling faces this summer! I have a full summer planned with a lot of new activities. Can't wait to share those with you when we can!

4-H PA Kelly Pierce is working in the office M-F 8am-5pm, and can be reached at 704-873-0507.

If there is anything that she can do for our youth, please give her a call or email her.

Taylor Jenkins is working remotely, so please sent her an email if you have any questions.

NC 4-H DAILY SPARK

All sessions begin at 10:30 AM

- April 6 - Marshmallow Catapults
- April 7 - Mindfulness
- April 8 - Horse Showmanship
- April 9 - Seed Germination
- April 10 - Plant Parts We Eat

2 PM, April 6 & 7 - Embryology

 **NC STATE**
EXTENSION

North Carolina 4-H is holding daily Facebook Live activities and workshops at 10:30 AM on weekdays. You can **visit their Facebook page** to see what is upcoming for your youth to watch and participate in!

Watch the **Iredell County 4-H Facebook page** for updates coming out soon about presentations and summer activities for 4-H, as well as more activities for our kids who are learning at home while schools are

**Visit [this link to sign up](#) for the
monthly Iredell County 4-H
Newsletter!**

closed.

North Carolina State University and North Carolina A&T State University commit themselves to positive action to secure equal opportunity regardless of race, color, religion, creed, national origin, sex, age, disability, or veteran's status. In addition, the two Universities welcome all person without regard to sexual orientation. North Carolina State University, North Carolina A&T State University, U.S. Department of Agriculture, and local governments cooperating.