

THE ROOTS

Fauquier County Cooperative Extension

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We want to learn more
about our community!
Click [this link](#) or scan the
QR code to access our
VCE survey!



Do you have a 4-H member, volunteer, alumni, club, program, or event that you would like Fauquier County 4-H to highlight via Facebook or Instagram? Fill out the form below to have your nomination posted!

To access the form, please scan the QR code below or visit the website listed below



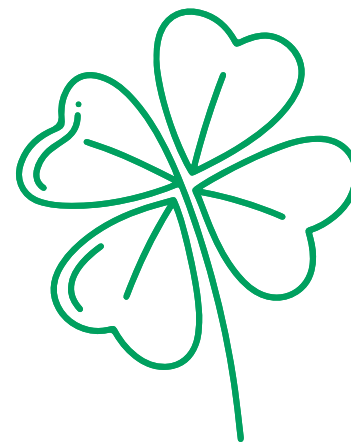
<https://forms.gle/CwQv3kZ1VZDtv1jEA>



(540) 341-7950
24 Pelham Street,
Warrenton, VA 20186

THE CLOVER CORNER

A NEW CLUB YEAR BEGINS



Our 4-H club year begins October 1 st! Fauquier 4-H has a wide variety of club offerings. Ages 5-8 are welcome to join our Cloverbud club, Piedmont Farmers, which meets at local farms for tours. Ages 9-19 are able to join our livestock-based clubs, science-based clubs, small animal-based clubs, and shooting sports! Now is the perfect time to check out different kinds of clubs to see what you might like! Head over to our club list on our website to find a club, when they meet, and reach out to the club leader for more information! fauquier.ext.vt.edu/programs/4h-clubs-list We look forward to seeing you!

HAVE YOU SEEN THE WASHINGTON POST?

Check out this neat article “In case of apocalypse, find the nearest 4-H club”

“These clubs go beyond raising animals and tending gardens and strive to foster equality, inclusion, and leadership. After all, we learn that the four Hs stand for a head for clearer thinking, a heart for greater loyalty, hands for larger service, and health for the greater living for club, community, country, and world...I don’t relish imagining the end of modern civilization. But should it come, former 4-H’ers are the kind of community I want around me.”



[Read the full article here!](#)

CHECK OUT OUR VARIOUS 4-H CLUBS!



- Piedmont Animal Science
- NOVA Dairy Club
- Feathered Friends
- Puppy Pals
- Ag Club
- Food Challenge
- Bow Benders
- Heels Down
- Games N’ Games
- Lucky Bits and Spurs
- Ham Radio Club
- Piedmont Farmers
- Warrenton Rifles
- Livestock Club
- Feline Friends
- Bunny Buddies
- Nuthin’ But Kids
- Kpop/Anime Fan Club
- Farm Tails

4-H NEXT GENERATION FARMER'S MARKET

The 4-H Next Generation Farmer’s Market is a collaborative effort between the Warrenton Farmers Market and Fauquier Cooperative Extension. Youth ages 9 - 18 can participate in this program which will include hands-on lessons designed to foster entrepreneurship skills and an opportunity for them to put those skills into action and earn some real money. Participants will learn how to do market research, develop their brand, and market themselves and their products. Come out and support our young entrepreneurs the first Saturday of every month through October at the Warrenton Farmer’s Market. For more information visit the [4-H Next Generation Farmer’s Market Website](#), or scan the QR code below.



THE CLOVER CORNER

FOOD BANK AND POULTRY SERVICE LEARNING PROJECT



One of the positive things to come from the year 2020 was the Poultry Service Learning Project and the Food Bank Project. These projects are operated through grants and allow our youth to get involved in their community by donating to the local food banks. The Fauquier 4-H Food Bank Project takes funds from several granting organizations, most recently PATH Foundation and Mid-Atlantic Food and Resilience Access Coalition - MAFRAC, and processes some of the animals that buyers do not keep at our annual Fauquier Livestock Show & Sale.

This year we were able to donate 2,700lbs of fresh, local, youth-raised meat to our local food pantries! These animals were raised by our 4-Hers and cared for extremely well! Over the course of the project, we have had over 100 youth involved in these projects and donated 10,800lbs of meat and over 11,000 dozen eggs! What an impact these youth are making on their community, and what an impact supporting their community is having on these youth!

Youth are offered the opportunity to raise 10 laying hens in exchange for donating the eggs. We provide the hens, raised by Fauquier High School FFA Chapter, and the feed.

Visit our website or scan the QR code below for more details on the impact and how to get involved:
<https://sites.google.com/view/livestockservicelearningprojec/home?authuser=1&pli=1&fbclid=IwAR0KDd8Y6HWhX5E4O0IT88k8ezXibbw9TBuTqvxG7VluXzqmFGF90C>

[IFMGk](#)

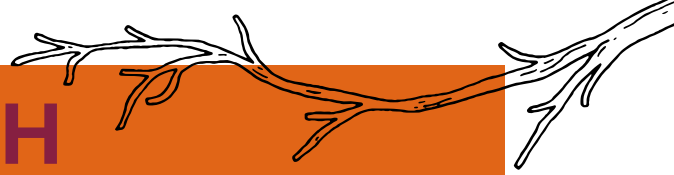


Audrey Falcon



Rorie Pompell

THE OFFICE BRANCH



Fauquier Livestock Show & Sale, held each year in May, was a great success in 2023. This program offers youth the opportunity to raise, market, show, and sell livestock projects at the annual event. Youth are supported through their clubs, Extension Agents, and families to learn valuable life skills such as letter writing, marketing, time management, business etiquette, hard work, and much more. This is a very intensive project that requires youth to logically set goals for their project, maintain schedules daily in regards to feeding and working with their animals, and spend time marketing those animals.

This year's sale brought in just slightly under \$200,000, the largest sale the program has seen in its 64 years. The Scholarship Hog also brought in a record amount, just over \$10,500. This year we recognized Noah Nye as our Herdsman, a high honor in the program named after Howard Grove, a long time, faithful servant of the program. The herdsman is selected by a committee of adults based on the best combination of sportsmanship, helpfulness, courtesy, time management, and display of self, project, and area through the show weekend. In 2022, an Adult Volunteer Award was established and named after another faithful volunteer, Jeff Woodward. This year's recipient is Marianne Streeter, who has just recently stepped back from her post as treasurer of the program after supporting through all of her children's involvement and some of her grandchildren's as well.



Pictured from left to right: Augusta Lerch, Amanda Woodward, Zach Woodward, and Marianne Streeter

If you would like to learn more about the program, please visit fauquiershowsale.org or contact Sarah Bullard at sarabs2@vt.edu. The Kick Off Meeting for the 2023-2024 program year will be held on October 11th at the Fauquier Fairgrounds starting at 6 pm. Join us to learn more about getting kids ages 9-19 started in market livestock projects.

Show & Sale 2023

49	83
Exhibitors	Animals



\$47,400

The monetary value of over 60 volunteers who spent over 1500 hours throughout the year working with youth and staff to facilitate this program.

\$190,000


in Sale income

\$22,000

in Sponsorships


\$10,500

in Youth Scholarship Donations



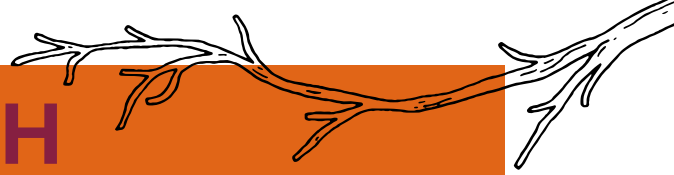
Fauquier Show & Sale is a youth development project teaching kids life skills through raising and marketing livestock.

fauquiershowsale.org





Noah Nye with the Howard Grove family



"GREEN" THAT GRASS



September is the best month to do many of the basic items to keep a lawn healthy and green in the piedmont of Virginia. Now is the time to fertilize, lime, and over-seed.

Over-seed - Most lawns in the Fauquier area are fescue and as a bunch grass, turf type tall fescue does not spread with underground stems like Kentucky bluegrass or some other grass species. So, to fix any gaps in the turf, over-seeding is done, and September is the best time of year to do the job. It is best to scratch up bare spots, lightly cover new seed with a quarter inch of soil and top dress with a little bit of straw to keep soil and seed in place until the seed germinates. Then keep your fingers crossed that we get some rain and it stays damp enough for the seedlings to grow. Supplemental water may be necessary.

Lime - Lime is used to adjust the pH of soil upwards. The natural pH of local soils is about 5.0. Grass likes to grow at about 6.5 or higher, so adding lime can help. If lime is needed and how much lime to add can only be answered by a soil test. Soil test kits are available at the Virginia Cooperative Extension Office in Warrenton. You can add too much lime, so a test really is best before going to all the work of putting lime down.

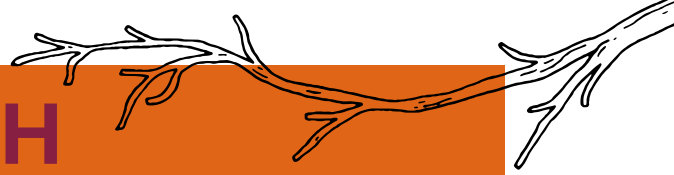
Fertilize – now is the best time to fertilize a lawn. A turf-type fertilizer that is high in nitrogen and has no phosphorus can be purchased at the local garden center. Figuring out how much fertilizer to add to a lawn is done by applying 0.7 lbs of nitrogen per 1000 feet square of lawn. For example, if you purchase a fertilizer with the numbers 25-0-3 on the bag, that means that 25% of the bag by weight is nitrogen. Then let's say you have 4000 square feet of turf. That might be the amount of turf for a small in-town lot with a single-family home. Then you would apply 11.2 lbs of fertilizer for that lawn some time in September. If you wanted a higher quality turf and wanted to do a second or third application, these can be done in October and November at least 30 days after the previous application. Later applications would be at the same rate as the first application.

If you don't want to add chemical fertilizers, then ¼ inch of compost can be spread and applied to the surface of your lawn at this time of year. This will add many benefits to your lawn and increase the capacity of the lawn to remain viable during times of drought.

Keeping healthy turf and applying fertilizer at the right rate and at the right time of year will help to keep our waters clean and our soils in our gardens.

The Master Gardeners of Fauquier and Rappahannock Counties have a program called "Green" Grass where they come to your home, measure the turf, and take a soil sample. When the results are back from Virginia Tech, they write a report and share recommendations for lime and fertilizer based on your site and your goals. To register for this \$40 program, please click here or scan the QR code below <http://demetersoft.net/soilsample/register.asp>





BEWARE OF PERILLA MINT IN PASTURES

Perilla mint is very poisonous to cattle and other ruminants, as well as horses. All plant parts are toxic, especially the flowering structures. Dried plants in hay can be toxic, but the greatest risk is associated with consumption of fresh plant material, especially if flowers and fruit are present. Perilla mint contains ketones that cause acute respiratory distress syndrome in cattle (ARDS), also called panting disease. Treatment is often ineffective. Although these plants can occur anywhere in a pasture or feed lot, they typically favor semi-shaded environments, and are most frequently located around farm structures, edges of woods and along fence rows. With the dry summer, cases of poisoning from this weed is a concern, especially in late summer when it is flowering. Cattle will normally not feed on these toxic weeds unless there is a shortage of other feed.

Plant identification:

Perilla mint is an erect, herbaceous annual that can grow to heights of 2 feet. The leaves are simple, opposite and can be purple or green tinged with purple, making it an attractive plant. Leaves have coarsely serrated (toothed) leaf margins pointed toward the tip and can be up to 5 inches wide and 7 inches long. Leaves are egg-shaped, with the largest part nearest the base. The stems of perilla mint are square in cross section, erect, hairy, somewhat branched and green or purple. Many small, white to purplish-white flowers with a ring of hairs in the throat are clustered in the terminals of these plants. Reproduction is by seed. Perilla mint has a shallow taproot and fibrous roots.

Larry Steckel, Assistant Professor, Plant Sciences
Neil Rhodes, Professor and Department Head, Plant Sciences
University of Tennessee



Virginia 2023 CATTLEMEN'S BOOT CAMP

When: October 6-7, 2023 (Starts at 6 pm 10/06)

Where: Virginia Tech, Blacksburg Virginia

Registration Fee: \$75 (Covers Meals and Educational Materials)

Virginia Cattlemen's Boot Camp is open to all producers, with a day and a half of educational materials and speakers.

Educational opportunities for producers at all levels to either brush up on their current knowledge or learn the basics. The Boot Camp will include a variety of relevant and essential topics that the cattle industry faces today through hands-on experiences for the full educational experience! Topics will include:

- **HERD HEALTH**
- **NUTRITION**
- **REPRODUCTION**
- **OPERATIONAL MANAGEMENT**



Registration:

You may register by scanning the QR code with your phone or by completing the registration form at <https://tinyurl.com/CattlemenBootCamp>. You may also contact Lisa McCormick at (540) 231- 2792 to request a registration form. The last day to register is September 30, 2023.

*Walk-in registration or late registration will not be accepted

*Limit of 40 Participants



Virginia-Maryland
College of
Veterinary Medicine

Virginia Cooperative Extension
Virginia Tech • Virginia State University



COLLEGE OF AGRICULTURE AND LIFE SCIENCES
SCHOOL OF ANIMAL SCIENCES
VIRGINIA TECH.



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mRNA Vaccinations in Livestock

Fact or Fiction? This is what you need to know.

TRUE OR FALSE? mRNA vaccinations are being used in livestock.

mRNA vaccinations are not currently being used in livestock vaccinations.

What is a mRNA vaccine?



Messenger RNA: Genetic material that tells the body how to make a protein

mRNA vaccines are relatively new within the vaccine group. mRNA makes the protein the immune system sees and learns how to make an immune response! This response teaches the body how to protect and respond to a specific virus. This happens by the body producing antibodies against the virus.

Do mRNA vaccinations for livestock exist?

mRNA vaccines have only been used in trial studies. There are no mRNA vaccines being used in livestock right now.

There are currently no mRNA vaccines that livestock producers or Veterinarians use to vaccinate their livestock. The vaccinations that are currently being used are Modified-live virus (MLV) vaccines and killed vaccines. The MLV vaccines contain a weakened or attenuated form of an antigen. A killed vaccine contains an inactive antigen. Both of these vaccines use methods that allow the vaccines to identify the virus so the body can fight against it. These mRNA vaccines are in trial studies and cannot be used until they are USDA approved for use in livestock.



WHAT DOES THIS MEAN NOW?

The mRNA vaccination could have a positive impact for herd health



There has been misinformation shared through social media on vaccination protocols in livestock. This information stated that livestock producers are required to vaccinate their stock. This information is false. There are no requirements or mandates, and it is left fully up to the producer. With this vaccine still in early clinical trials, the risks that could be associated are uncertain. Current research is designed to assess the safety of these vaccines when administered to livestock. Although, there are some benefits to the vaccination. mRNA could be more flexible and respond faster to the virus compared to MLV vaccines and killed vaccines.

Do you want to make and sell food in Virginia?

You must have training in Current Good Manufacturing Practices and sanitation, so join us at The Carver Center for this two-day workshop to receive these certificates!

**Thursday,
10/5:**

Current Good
Manufacturing
Practices

8am - 5pm

**Friday,
10/6:**

Sanitation
and
Labeling

8am - 3pm

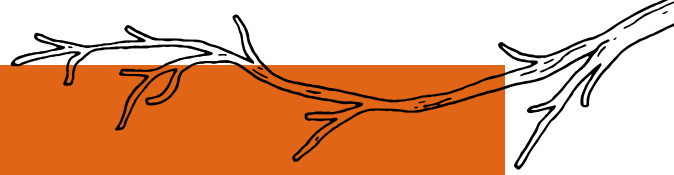
**To register, click
or scan this QR
code:**



Virginia Cooperative Extension programs and employment are open to all, regardless of age, color, disability, gender, gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, genetic information, veteran status, or any other basis protected by law. An equal opportunity/affirmative action employer.



UPCOMING EVENTS



2023 KENTLAND FARM FIELD DAY

Tuesday, September 12, 2023

8:00 am - 4:00 pm

Event hosted by the Virginia Tech

College of Agriculture & Life

Sciences and Virginia Cooperative Extension

Lunch by Virginia Tech Block & Bridle

Ice Cream by Homestead Creamery



2023 TWILIGHT GROWER MEETING-

YANKEY FARMS

Pumpkin and Strawberry Production

Wednesday, October 4 at 5:00 p.m. - 7:00 p.m.

11812 Bristow Rd., Bristow, VA, 20136

yankeyfarms.com

Register for Yankey Farms at: bit.ly/3rHCiPs

or contact Kenner Love at klove@vt.edu, 540-675-3619

VIRGINIA 2023 CATTLEMEN'S

BOOT CAMP

October 6-7, 2023

Virginia Cattlemen's Boot Camp is open to all producers, with a day and a half of educational materials and speakers. Educational opportunities for producers at all levels to either brush up on their current knowledge or learn the basics. See the attached flyer to register via QR code, or follow the link below

<https://tinyurl.com/CattlemenBootCamp>

You may also call Lisa McCormick at

(540) 231-2792

SHOW AND SALE KICK-OFF MEETING

Wednesday, October 11, 2023 6:00 pm

at the Fauquier County Fairgrounds

The Fauquier Livestock Show and Sale will have its first mandatory meeting! Interested in joining but don't know where to start? This meeting is for you!

MANUFACTURING PRACTICES AND

SANITATION WORKSHOP

Thursday, October 5 (8am-5pm) , and

Friday, October 6 (8am-3pm), 2023

You must have training in Current Good Manufacturing Practices and sanitation, so join us at The Carver Center for this two-day workshop to receive these certificates!



WHERE CAN YOU FIND OUR CLOVERS

NEXT?

September 2 Warrenton Farmers Market

September 7-10 State 4-H Horse Show

September 9 State 4-H Shoot

September 21-24 Dairy Weekend at State Fair of Virginia

September 28-October 1 Livestock Weekend

at State Fair of Virginia

October 1 - 4-H Club Year Begins

October 7 Warrenton Farmers Market

October 14 Fauquier Fall Farm Tour



TAKE A TRIP DOWN MEMORY LANE ..



Fauquier County Show and Sale 50 years ago

This year, the Fauquier County Show and Sale celebrated it's 63rd anniversary. The program, originally started in 1960, has significantly grown in size over the last 63 years. The gross income from the sale in 1973 was approximately \$31,820.00. In 2023, the sale of animals broke the record for the highest gross income record and hit an astonishing \$190,000.00. Which equates to nearly a six-fold increase in just 50 years. In 1973, there were only 25 buyers spread between 58 animals. This year, there were 101 buyers and 86 animals.

Fauquier County Show and Sale 40 years ago

As the Show and Sale program aged, the number of animals and the number of buyers steadily increased. Just 40 years ago, the Fauquier County Show and Sale had 75 animals between 42 exhibitors and 39 buyers, some of which purchased one animal, while others purchased four or five.

Check out the 1983 buyers and champions! Do any names look familiar?!

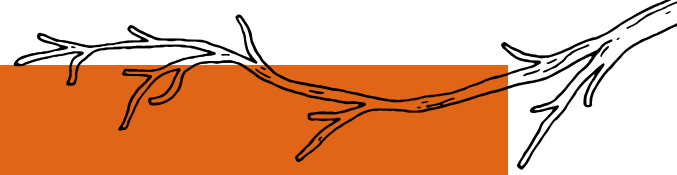
THANK YOU 1983 BUYERS

Buyer	Location	Purchase
Agri-Service	Stafford	1 steer
Brynley Farm	The Plains	1 lamb
Carr & Hyde Ins.	Warrenton	1 steer, 1 lamb
Charles Ebbetts Ford	Marshall	1 steer, 1 lamb, 1 hog
Cobbler Mt. Farm	Delaplane	1 hog
Country Chevrolet	Warrenton	1 steer, 1 lamb, 1 hog
Fauquier Bd. of Realtors	Warrenton	1 lamb
Fauquier Grain	Marshall	1 steer
Fauquier Livestock Exch.	Marshall	1 steer
Fauquier National Bank	Warrenton	1 steer, 2 lambs, 1 hog
Fauquier Wool Growers	Fauquier	1 lamb
Holmes Equipment	Elkwood	1 lamb
Huntly Farm	Broad Run	1 steer
IGA	Marshall	1 hog
Liberty Savings & Loan	Warrenton	2 lambs
Marshall Farmers Coop.	Marshall	2 lambs
Marshall National Bank	Marshall	2 steers, 2 lambs
McMichael Service Center	Nokesville	1 steer
Mid-County Feeds	Warrenton	1 hog
Middleburg National Bank	Middleburg	1 steer, 1 hog
Moore's Farm Service	Markham	1 lamb
Northern Va. Farm Center	Rectortown	1 steer, 1 lamb
Northern Va. Elec. Coop.	Manassas	1 steer
Pacific Computer	Manassas	1 steer, 1 lamb, 1 hog
People's National Bank	Warrenton	1 steer, 2 lambs, 1 hog
Production Credit	Warrenton	1 lamb, 1 hog
Remington Farmers Coop.	Remington	1 steer
Safeway	Warrenton	1 steer
Smith Equipment	Warrenton	1 steer, 1 lamb, 3 hogs
Sonny Utz Olds-Buick	Warrenton	1 steer, 4 lamb, 1 hog
Southern States	Calverton	1 steer, 1 lamb, 1 hog
Southern States	Marshall	1 lamb
State Bank of Remington	Remington	2 hogs
Tribble Equipment	Warrenton	2 steers, 1 lamb, 1 hog
Warrenton Farmers Coop.	Warrenton	1 steer, 1 hog
Wayland Ford Tractor	Warrenton	1 lamb, 2 hogs
Western Auto	Marshall	1 lamb
Westwood Inc.	Rectortown	1 steer
Wheatfirst Securities	Warrenton	1 lamb

Champions Corner

Steers	Sheep
Grand Champion - Katie Gaines	Grand Champion - Judy Pruitt
Safeway - \$2.10/lb	Liberty & L - \$3.30/lb
1st. Champion - Robert Davenport	Res. Champion - Erin Wright
Huntly Farm - \$1.70/lb	Carr & Hyde - \$2.80/lb
Hogs	
Grand Champion - Tommy Grove	Res. Champion - Mark Abercrombie
State Bk. of Remington - \$2.00/lb	Pacific Computer - \$2.20/lb

OFFICE CONTACT



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