



THE ROOTS

Fauquier County Cooperative Extension

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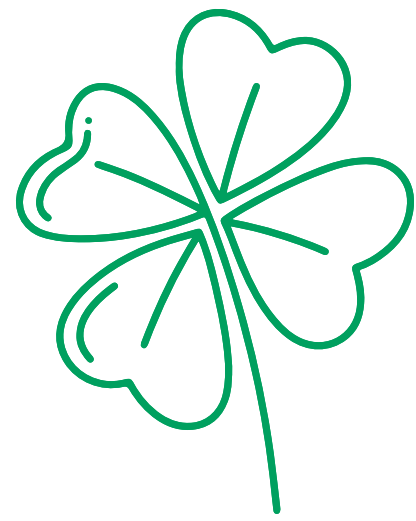
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Check out our social media pages (Fauquier County 4-H on Facebook, and @fauquier4h on Instagram) to stay up to date on programs, learn about 4-H, and explore our member, club, and volunteer highlights!



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

THE CLOVER CORNER



LOUDOUN-FAUQUIER 4-H CAMP

The Loudoun-Fauquier 4-H Camp is offered to youth ages 8-14 annually. VCE works with the NOVA 4-H center to provide a week of research-based experiential learning opportunities to develop leadership, social and life skills, while making lasting memories. Last June the 2023 Loudoun-Fauquier 4-H Camp served more than 220 campers led by VCE agents, NOVA 4-H staff, adult volunteers, and 70 teen counselors.

If you are interested in the 2024 Loudoun-Fauquier 4-H camp and would like to receive email updates about important dates, please fill out our Camp Interest Survey with the QR code listed below:

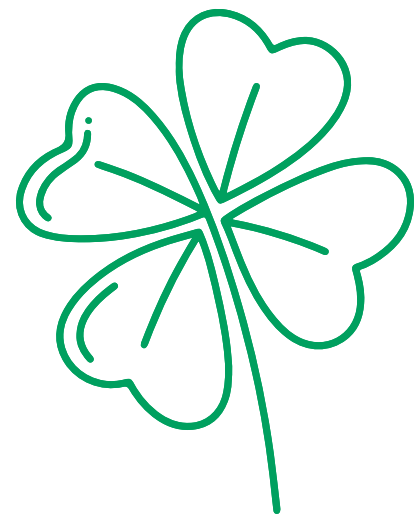


4-H NEXT GENERATION FARMER'S MARKET

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](#)



THE CLOVER CORNER



LIVESTOCK TEAMS:

The Fauquier 4-H Livestock Judging and Stockmen's Teams participate in contests across the state involving identifying livestock feeds, meats, equipment, and breeds, taking a farm management quiz, and judging livestock (sheep, cattle, goats, and hogs) followed by giving reasons for their placings. Most of our contests are in the spring months January-June, after many practices in the classroom and on local farms.



ORANGE COUNTY FAIR RESULTS

Overall ranking – Ali placed 3rd, Holly placed 4th, Eliza placed 5th, Sedona placed 6th, and Amelia placed 7th!

Shout out to Ali who placed 1st in judging and Sedona who placed 2nd in reasons!

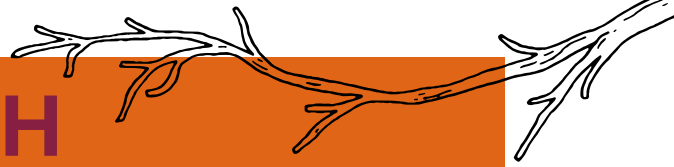
STATE CONTEST RESULTS

Caroline placed 22nd overall!

Junior team placed 8th in swine and 11th overall!

Sedona placed 3rd in cattle, 4th in reasons, and 10th overall!





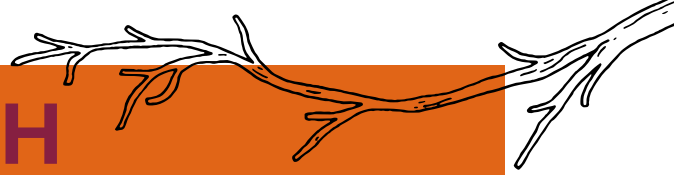
FAUQUIER COUNTY FAIR

Many of our 4-Her's favorite week of the summer takes place in July at the Fauquier County Fair. We had countless entries in the exhibit building with numerous first place wins! In the barns, we had over 100 exhibitors total, 85 of those being 4-Her's who have raised their own dairy goats, meat goats, sheep, cattle, poultry or rabbits. There were kids running everywhere, leading livestock, mutton busting, playing in dirt, talking with the community, and enjoying time with family and friends. We started the week with a long Round Robin show, with over 40 kids participating by showing in three rounds, each with a different species and animal that was not their own. It is the ultimate showmanship challenge!

Each species chose a Herdsman who exemplified what it means to be a 4-Her - they were helpful, cheerful, kept their animals healthy and pens clean, spoke with the community, were good sportsmen, and were helpful to other exhibitors. The beef department chose Leslie Linton, dairy cattle department chose Eliza Lawrence, meat goat department chose Liam Norman, dairy goat department chose Mia Markus, poultry department chose Audrey Falcon, sheep department chose Ali Yankey and the rabbit department chose Ashley Bass. The very special Eleanor Burton Scholarship organized by the Fair Board was awarded to 4-Her Bethany Norman.

Within the species we had many winners, but our Supreme Champion titles went to the following exhibitors: Supreme Beef Female to Harvester Farm and Supreme Bull was shown by Sammy Leach, a recently graduated 4-Her. Our 4-H Beef judge awarded Supreme Female and Bull to Aaron Locke. Dairy Cattle Supreme in the 4-H division was shown by Eliza Lawrence and in the Open division by Rachel Burton. The Dairy Goat Supreme Champion was awarded to Brianna Wall in the Open and 4-H Divisions. Meat Goat Supreme Champion was Harvester Farm in the Open Division and Colt Baer in the 4-H Division. Finally, in our Sheep Department, graduating 4-Her Meredith Day took all the top honors with her Grand Champion Ewe, Grand Champion Ram, Grand Champion Market Lamb, and then finally her Supreme Champion Sheep.





TIPS ON TICKS AND THE SPOTTED LANTERNFLY

Spotted lantern fly, an invasive plant hopper that looks like a colorful moth was first discovered in Pennsylvania in 2014. It was confirmed in Fauquier County in the spring of 2022 has been reported in Catlett, Nokesville, New Baltimore, Warrenton, Marshall, Linden, Upperville, Delaplane and Paris. It will likely be in your area soon, if you have not seen them already. Most of the insects are in the colorful last instar of their immature phase and will be transforming into adults in the coming weeks. Spotted lantern fly prefers to feed on tree of heaven. Removing this invasive tree from your property may go a long way towards reducing the number of spotted lantern fly in your area.

Here is a fact sheet on Spotted Lantern Fly that Virginia Tech has put out:

<https://www.pubs.ext.vt.edu/ENTO/ENTO-344/ENTO-344.html>

It is tick season with the heat and humidity of summer. We have three main tick species that are common in the area, dog tick, blacklegged (deer) tick and Lonestar tick. All of them can bite people or pets. Knowing which species of tick has bitten someone can help to know which diseases may be spread by a particular tick. Blacklegged tick is known to transmit Lyme disease. The dog tick is a vector of rocky mountain spotted fever. The Lonestar tick is the most common tick found on people in our area, it can transmit many diseases, but not Lyme disease. If you think you have been bitten by a tick and have concerns about disease, please contact your doctor. Keep grass mowed around the house and along trails to lessen the contact with ticks. Also, stay on the trail when hiking in the woods. Check for ticks on pets and people after spending time outdoors.

For more information on spotted lantern fly, managing tree of heaven or questions about ticks, please reach out to the Master Gardener helpdesk at 540.341.7950 x 3 or helpdesk@mgfrc.org or stop by the Extension Office at 24 Pelham Street, Warrenton, VA Monday through Friday from 9am to noon.



Managing the Asian Longhorned Tick: Checklist for Best Management Practices for Cattle Producers

*Authored by Theresa A. Dellinger, Diagnostician, and Eric Day, Lab Manager, Insect Identification Lab,
Department of Entomology, Virginia Tech*

Introduction

Large numbers of the Asian longhorned tick (ALT, Fig. 1) on cattle can reduce herd health and possibly spread disease. Managing the ALT can be very difficult because this tick spends most of its life on the ground off the host. ALT also reproduces without mating. The following recommendations are suggested to help reduce the impact and spread of ALT and protect your herd.



Figure 1. Asian longhorn tick (Eric Day, Virginia Tech).

Inspection

- Regularly inspect cattle for ticks. The ALT is small and may go unnoticed with only a quick look. Focus on the head and the neck, but also check the flanks and back, the armpits and groin, and under the tail. Tick larvae, nymphs, and adults may all be found at the same time on a single animal.
- Cattle with low weight gain, are lethargic or anemic, have patchy hair or generally look unthrifty should always be inspected for ticks.
- Animals may have large numbers of ALT, but only a few ALTs may be sufficient to transmit cattle disease. Submit tick samples to your local extension agent for species confirmation. Once ALT is confirmed on your animals, you should assume it is established in the area and that management for this tick will be an on-going process from now on.

Chemical Control

- There appears to be a high risk of cattle disease transmission by ALT in February-March and August -September. Tick control is highly recommended during these time periods, but ALTs are active during much of the year. Consider chemical control for ALT from March into November.
- A single pesticide application method may not be fully effective against ALT. Consider using pesticide-impregnated ear-tags along with backrubbers and other devices. Ear tags: Use abamectin or beta-cyfluthrin ear tags for low numbers of ticks.
- Dependency on permethrin ear tags may accelerate pesticide resistance in ALT. Rotate pesticide classes of ear tags to slow the development of resistance.
- Follow all label instructions for pesticide-impregnated ear tags. Use the number of ear tags

per animal specified on the label for tick control. Tag both adults and calves if label allows. Check labels for any limitations for beef or dairy cattle. Replace ear tags following the label recommendations. Keep records of when tags were placed so you know when to replace them.

- Use backrubbers and siderubbers (“bullets”) or similar devices charged with phosmet or permethrin. Hang rubs in such a way that cattle must contact the rub as they move past, spreading the pesticide along the top of their bodies. Vertical strips hung from a backrubber help apply material to the head and flanks as the cattle move past. Bullets also distribute pesticide along the head and flanks.
- Pinch points: Place backrubbers, bullets, and similar devices in a pinch point (e.g., gateways, between posts, entry to creep feeders, etc.) where cattle are forced to walk under or past on a daily basis, such as to visit a water source. Rubs hung in front of mineral feeders are helpful, but cattle do not visit these feeders every day.
- Recharge devices regularly following the pesticide label. ALT management may require recharging devices every 2-3 weeks.
- Pour-ons: Use pour-ons for heavy or extreme tick numbers. Use ivermectin at the rate of 1 ml per 22 pounds of body weight. Apply along the topline of the animal in a narrow strip. Be aware that heavy rain may wash pesticides off the animal. Increased fly burdens at several days after a heavy rain may indicate the need to retreat the animal.
- Treat all animals in a herd for ticks at the same time. Apply formulations specifically labeled for tick control. Follow all label recommendations for all pesticides (including ear tags, backrubbers, pour-ons, etc.) used, including time to retreat, withdrawal periods, beef vs. dairy, lactating vs dry, use of personal protection, etc.
- Chemical treatment of pastures is not recommended except when tick populations are extremely large. Carbaryl (Sevin) labeled for use on pastures should be restricted to sections of the pasture with the highest number of ticks. Pasture

treatments should be used in conjunction with other treatments.

- Chemical control greatly reduces tick burdens on animals but does not eliminate the chance of ticks, tick bites, or acquiring tick-borne diseases.

Herd Management

- Inspect purchased cattle for ticks and treat if found before adding to the established herd.
- Consider having animals tested by a vet for tick-borne disease if ticks are found on them, especially if the cattle are not gaining weight, have patchy hair, appear lethargic, or show symptoms of anemia.
- Keep pastures mowed short as long grass and brush enhance tick survival. Leaving pastures ungrazed will not control ticks as they can survive about a year without feeding. Wildlife in the ungrazed pastures will support tick survival in the absence of cattle, too.
- Mow pastures short before rotating stock back into them, even if the cattle have been treated for ticks.
- Keep cattle out of wooded areas. If possible, fence cattle 20 feet away from wooded areas. Wildlife, such as deer, small mammals, and birds, can serve as alternative hosts for ticks and assist their spread.
- Check pets if any ticks are found on cattle.
- People working in areas infested with ticks of any species should inspect themselves regularly for ticks.

Visit Virginia Cooperative Extension: ext.vt.edu

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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.

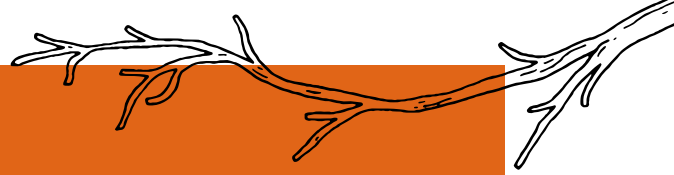
*Walk-in registration or late registration will not be accepted

*Limit of 40 Participants



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UPCOMING EVENTS



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

2023 TWILIGHT GROWER MEETING- LOUDON FLOWER GROWERS MEETING

Sweet Piedmont Flowers - Tuesday, August 15 at
3:00 p.m. - 5:00 p.m.
15344 Weadon Farm Lane, Waterford, VA 20197
sweetpiedmont.com

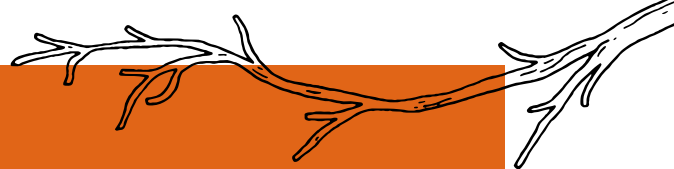
Register for Flower Grower Meeting at:
bit.ly/3Df1rni
or contact Kenner Love at klove@vt.edu, 540-675-
3619

VIRGINIA 2023 CATTLEMEN'S BOOT CAMP

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

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