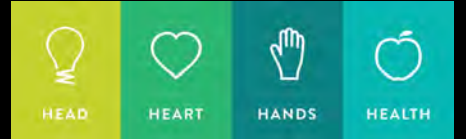


# Flint Hills District 4-H News

Council Grove Office: 620-767-5136  
Cottonwood Falls Office: 620-273-6491  
Website: [www.flinthills.k-state.edu/4-h](http://www.flinthills.k-state.edu/4-h)  
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CIA

## Scholarships

The Kansas 4-H Scholarship and Vanier Scholarship Applications are now open on the website: <https://www.kansas4-h.org/resources/awards-and-recognition/scholarships.html> The application link has all materials submitted online. Youth who are in their senior year or older are encouraged to apply. All applications and corresponding requested materials must be submitted by March 1st, 2022. If you have any questions about the scholarship application process, please contact [dsratlif@ksu.edu](mailto:dsratlif@ksu.edu)

## District Club Days

Our 2022 District Club Days has been scheduled on Saturday, March 5 and will be hosted by Morris County. The event will be held at the Council Grove Elementary School, 706 E Main St, Council Grove. For the day of the event, we will use the doors on the West side of the building for entry. We appreciate the school's willingness to allow us to hold our event in their facility. Please be sure to keep your area clean and picked up. Just a reminder that even years will be hosted in Morris County and odd years will be hosted in Chase County. The schedule was emailed out, will be posted in the hall way and maps will be posted by the doors. Just a reminder that members in each county will place separate, so a Chase County Top Blue and Morris County Top Blue can be eligible for entry at Regionals. Top blue and Alternate top blue participants will need their photo taken by Shandi or Chelsea before they leave. Regional qualifiers can let agents know before leaving club days if they plan to attend regionals. All regional entries will be confirmed on March 7th. Regional Club Days has been scheduled for March 26 and will be held at Madison High School.





# 4-H ACTIVITIES & TRAINING

## YQCA Training

YQCA stands for Youth for the Quality Care of Animals. Any individual that plans to show market animals, commercial breeding females, and/or purebred breeding females at the 2022 Kansas State Fair or Kansas Junior Livestock Show must be YQCA certified to participate. However, anyone is welcome to attend a training session to become certified. The next session will be held in the Morris Co. Courthouse Meeting Room. The date is: April 3rd. and will begin at 2:00 PM. Use the following link to register online <https://yqca.learnrow.io/Account/Login>. The cost of the training is \$3 which you will pay online when you register. Please use your 4-H Online login information for the sign-up.

### Important Announcements — Nominations + YQCA

We will be transitioning to an online system for state livestock nominations in 2022! No more paper forms and overlooking a field of information for an animal! This announcement was made with last year's nomination materials. Specific details will be released later this spring. Families will need to plan ahead and prepare prior to the deadline this year. Please watch your email, the website, and the Facebook page.

YQCA will continue to be required for all Kansas State Fair Grand Drive and KJLS exhibitors. Youth for the Quality Care of Animals (YQCA) is a national, multi-specie, youth livestock quality assurance program. Youth may complete the training online or through an instructor-led course with an approved instructor. Exhibitors will submit a copy of their certificate at the time of nomination, so make sure to download it to a device when they complete their training. It is an annual training. Certificates must be valid through October 2, 2022 to be accepted.



## 2022 “The Benefits of Insects” Art Competition

It's time once again for K-State's Integrated Pest Management (IPM) Insect Art Contest! This year's theme is “The Benefit of Insects”. The goal is to capture in an art piece that insects benefit us as a society and why they are important. Selected artwork will be used to promote the importance of insects and to create other educational items. Artists that have art selected will receive a certificate and a prize to recognize their achievement. We will select a winner from each of the outlined categories and one overall winner will be selected from those entries. There is an April 15, 2022 deadline.

Why should your 4-H'er participate?

1. It's fun.
2. It's an opportunity to learn more about the benefits of insects.
3. It's an opportunity to flex your creative muscles and practice your (art) craft.
4. It's a state contest and you can add that to your record book or pin application for Entomology and/or Visual Arts.

For additional information including rules and entry form please contact the Extension Office, or you can visit <https://www.ksre.k-state.edu/pesticides-ipm/>

## Equifest

Equifest, hosted by the Kansas Horse Council, will be having an Open Horse Judging Contest on March 18<sup>th</sup>. This would be a great practice for our state contest. More information, along with entry information, will be posted on their website at <https://equifestofks.com/>

## State 4-H Horse Judging & KSU Horse Judging Camp

The State 4-H Horse Judging will be held in a slightly different format this year. Scheduled for June 9<sup>th</sup>, it will be directly following the KSU Horse Judging Camp that will be held June 7-8<sup>th</sup>. The Advanced session will be 7-8<sup>th</sup>, with a beginner session on the 8<sup>th</sup>. The camp is open to 4-H and non 4-H members. 4-Hers will then be able to use these skills and apply them on Thursday for the contest. Registration for both the camp and the contest is expected to be released in April. Information for the Horse Judging Contest will be posted on the webpage at <https://www.kansas4-h.org/events-activities/contests/horse-judging/index.html>. Information regarding the Horse Judging Camp can be found here <https://www.asi.k-state.edu/research-and-extension/youth-programs/judging-camps.html>

## 2022 4-H Camp at Rock Springs Ranch

Families should have received a paper mailer from the State 4-H office with an update regarding camp next year. Sign up for 2022 camp will use the link: <https://www.rockspringsranch4hcamp.org/>. This website will be the hub for all 4-H camp information. They are offering a tiered pricing model for families to select from. At the time of registration, campers will be required to make a 10% deposit, with the rest paid in full by May 1. They have developed multiple options for payment of camp fees this year including a monthly payment option with credit card or E-Check or pay in full by May 1st. Camp options will be available for all 4-H members who will be going into 3rd-12th grade for the school year following the camp season. The menu of sessions will include 10 options to be offered June 8-July 23. Flint Hills District has targeted Session #4: June 19-22 for attendance. Agent(s) will plan to attend camp during these dates and encourage any Flint Hills District 4-H members to attend during this session. If these dates won't work for your family, choose another session that works better for you, if you wish. If you have any questions regarding the new process, please let us know. Families are encouraged to register by April 1.

# 4-H ACTIVITIES & TRAINING

## Project Add/ Drop deadline

Remember that you can add and/or drop projects in 4-H Online until May 1st. Please update 4-H Online when you have decided to add or drop a project. This helps keep project leaders, club leaders, and the Extension office up to date as meetings are scheduled and plans continue to move forward for 2022 Fairs.

## USDA APHIS Summer Ag Discovery

The following email is being sent to 4-H'ers in grades 7-12 who are enrolled in agriculture related projects including Animal Science, Plant Science, Food Science, STEM-Ag Mechanics and Veterinary Science.

The United States Department of Agriculture Animal and Plant Health Inspection Service (USDA APHIS) sponsors a unique summer outreach program for youth in grades 7-12 to experience agriculture at a variety of universities that work with USDA across the country. Students spend 2-4 weeks at a university learning about agriculture. There is NO cost for tuition, room and board, activities or meals. The only cost is for travel to and from the university campus. Each University offers different opportunities and activities that correlate to Agriculture in that region of the United States.

A brochure highlighting each experience is attached with complete information. Deadline for application is March 31, 2022

## CWF Up Coming Fundraisers

There are 10 4-H members committed to attend Citizenship Washington Focus in Washington, DC. The trip is planned for June 3-12, 2022. Those members who are signed up to attend are: Castyn Andres, Mark Andres, Gavin Carson, Ian Effland, Kinslea Glanville, Sophia Glanville, Josepha Inlow, Colter Johnson, Jacob Kasten, and Gus Wainwright. The group is currently working to earn funds to attend the event by enlisting sponsors and holding fundraisers.

The group will offer a raffle for two(2) Lifetime Hunting and Fishing Licenses. Two hundred tickets will be sold, and two winners will be drawn to win a Lifetime Hunting and Fishing License. This raffle will open March 11 and the winner will be drawn on April 2nd. If you know of someone who is interested in purchasing tickets, please contact one of the members who are planning to attend.

The group is still planning two breakfast fundraisers. These will be held in White City on March 19 and Council Grove on April 2.

The members attending are excited to bring their experiences back to share within the District.

## Hutchinson Community College Blue Dragon Classic

Greetings and welcome to the 2022 Hutchinson Community College Blue Dragon Classic! We are appreciative of your interest in competing in this educational and high quality event. We will have access to quality livestock and are bringing in distinguished officials that are industry leaders to listen to your students reasons. Our goal is to not only allow students to display their livestock evaluation abilities, but also allow this to serve as a great preparation for upcoming contests.

When: Monday, April 11th, 2022

Where: Celebration Centre & Bar K Arena-Lyons, KS

Time: Registration will be from 7-8 a.m. Final instructions 8:15 a.m. Contest starts at 8:30 a.m.

Entries: Youth entries due by April 1st. Late entries due April 5th. No youth entries accepted after April 5th. Entries can be made via google forms link: <https://forms.gle/t25ifW4YWFrqNJ2j6>

## Picture Perfect Photography

Shawnee County is hosting a Picture Perfect Photography Event led by club leaders. Programming will include: Hands-on classes in the park, online spotlights of careers in photography, youth photo judging contest, plus videos to improve technical skills. What to Bring: camera and/or smartphone, blanket to sit on, reusable drink container, colorful umbrella Link to flyer: <https://www.kansas4-h.org/projects/creative-arts/Picture%20Perfect%20State%20Workshop%202022%20Flyer%20Updated%202.8.2022.pptx.pdf>

Register by April 1st at <https://tinyurl.com/mamevyuy>.

## Animal Science Leadership Academy

The K-State University Department of Animal Sciences and Industry has opened applications for a program that supports high school students (grades 9-12) who have an interest in the livestock industry and related careers. Applications are due by April 15 for the Kansas State University Animal Sciences Leadership Academy, which will be held June 22-25 and June 29-July 2 in Manhattan.

The academy is available to youth from across the United States. <https://www.asi.k-state.edu/research-and-extension/youth-programs/>.

For more information, contact academy director Sharon Breiner at [sbreiner@ksu.edu](mailto:sbreiner@ksu.edu) or 785-532-6533.


## Weight Charts

Weight Charts for market livestock animals will be handed out at weigh in and will be posted on the website. These will allow 4-H members to evaluate weight gain based on starting weight, desire weight for fair, and amount needed to gain each day.



# Project Connection

Have you seen the new project pages on [www.kansas4-h.org](http://www.kansas4-h.org)? Most projects have a page like the ones listed below for Photography. They have ideas for goals, learning activities, and career connections.



**Explore Your Spark!**

## Photography Project

**Photography Project**

**Expand Your Experiences!**

**Healthy Living**

- Plan a photo scavenger hunt for your 4-H club.
- Photograph individuals making healthy choices and share them on social media.
- Learn to stage and photograph healthy food plates.

**Science and Agriculture**


- Learn how scientists use photography in their everyday work.
- Study the science of light.
- Learn how unmanned aerial vehicles are used to photograph farmland for crop applications.
- Take photos of agriculture in action and blog about them to promote agriculture.

**Community Vitality**

- Volunteer to take photos at a community event.
- Help archive historical photos.
- Arrange for a guest photographer to present to your club.
- Organize a photography event for a local organization or your school.

**Communication and the Arts**

- Tell your friends about the different types of cameras.
- Set up a display demonstrating how to properly present your photographs.
- Use your photo skills to promote a community event.



**Inspire Kids to Do**

**Explore**

**"I might like to do this."**

Youth who explore a variety of interests before high school, through experiences like 4-H camps and educational events, can develop early interest in a career path and improve their academic performance.

**Learn**

**"I can do this."**

4-H project-based learning, guided by adult volunteers, improves youth understanding of skills and concepts, as well as their ability to problem-solve and collaborate.

**Practice**

**"I'm interested in this."**

Youth who have participated in sustained hands-on learning and engaged with professional mentors and volunteers before entering high school are more likely to explore high studies and potential career paths.

**Experience**

**"I will be this."**

Real-world application is key — 91% of Kansas 4-H members have a plan for reaching their goals. Youth that have been active participants in hands-on learning, combined with strong decision-making skills, are more able to effectively navigate life.

**Career Development**

- Serve as a photographer for a local or state 4-H event.
- Enter a photo contest.
- Create a portfolio of your best work.
- Interview a professional photographer.
- Interested in a college education in the area of photography? Schedule a visit with Kansas State University's A.Q. Miller School of Journalism. <https://jmc.k-state.edu/>

**Local Contact Information**

**Starting Out**  
*Beginner*

- Get to know your camera.
- Use tripods and bracing to steady and level camera.
- Learn to get close to your subject.
- Use different viewpoints.
- Take photos of places, people, and pets.
- Tell a story with photos.
- Learn to evaluate photos.

**Learning More**  
*Intermediate*

- Use shutter speeds and f-stops.
- Adjust the depth of field.
- Capture hard and soft light to create moods.
- Manipulate light using flash techniques.
- Evaluate composition using the Rule of Thirds.
- Take candid photos to capture a moment.

**Expanding Horizons**  
*Advanced*

- Use wide-angle and telephoto lenses.
- Use filters.
- Practice with light sources.
- Use viewpoints, framing and leading lines.
- Use specialized equipment and advanced techniques.

**Resources and Events**

Participating in educational events and learning opportunities will expand your knowledge and skills in the project area. Contact your local K-State Research and Extension office for local opportunities.

- Kansas 4-H Photo Project page
- Kansas 4-H Photo Action Team events
- State and Regional 4-H Judging contests
- Project workshops held across the state.

**Curriculum and Resources**

- Photography Level 1: Photography Basics
- Photography Level 2: Next Level Photography
- Photography Level 3: Mastering Photography

**4-H Record Keeping**

Learning to keep accurate records is a life skill. The following forms can help you:

- Setting forms can help you (4H1100)
- Kansas 4-H Record Keeping

**Project Exhibit Ideas**

- Identify the parts of a camera.
- Select, mount, mat a photograph.
- Use a computer to edit photos.
- Present a poster about matting and framing.
- Give a presentation showing how to edit images.

Kansas State University Agricultural Experiment Station and Cooperative Extension Service

## Why 4-H?

Why 4-H? It's a great question, and the simple answer is it's life-changing. My name is Sophia Glanville and this will be my eleventh year in 4-H (not counting the years before I was old enough to be a member and still came to meetings). I have been a member of the Gladstone 4-H club all eleven of my years and those years have taught me some of my most valuable lessons.

I gained experience in being a leader within my club, community, country, and world. How to be not only a leader, but a good one at that. I learned how to compromise and come to common ground with others on topics we may not agree with, which is a major thing for people to know how to do respectfully. I have also learned how to stay organized through my multiple projects I have been involved with. Making sure I documented the things I did within my project and knowing where these documents and items were has played a large roll in my organizational skills. And the last major skill that I have learned through 4-H has been time-management. Learning how to break projects into smaller portions and making sure that the final project is finished by its deadline ( a.k.a the fair).

Not only do you learn valuable life lessons, but you get to meet amazing people and have the opportunity to do some amazing events in amazing places. There are events like Citizenship in Action, Discovery Days, and 4-H camp! All of these cumulate to make one amazing experience as a 4-Her!

# Livestock Information - Market Steer

Raising a market steer as a 4-H project can be a very rewarding experience for youth. However, it is important to note up front that raising a market steer requires higher input costs and larger living spaces than all other 4-H livestock projects. A successful market steer project involves a lot of time and effort to train, feed, and clean your animal.

The first step in a market steer project, is selecting a quality steer. Market steers are judged on market quality, so it is important to select a beef breed that carries a lot of muscle, has good bone structure, and is nicely balanced.

## Selection Criteria

**Age:** Show calves will be market ready when 15 to 18 months old at County Fair. They are normally born between February and May of the previous year. For example, a steer born in March of 2021 will be about 16 months old at fair time.

**Muscle:** Natural width and muscle shape are indicators of muscling. Natural width on a steer is evaluated from the front and rear view focusing at the base of the animal. Muscle shape is often evaluated at the rump, but can also be evaluated from the loin, forearm, and shoulder. Large circumference of the leg bone; wide base; long, level and straight top; bold and rugged shoulder are all qualities the judge is looking for.

**Balance:** A good market steer is well balanced on both ends, straight through the topline, and level hipped. A deep bodied calf that is full in the flank and uniform in capacity and ruggedness.

**Structural Correctness:** Good structure can be evaluated by looking at the feet and legs to ensure flexibility, correctness, and functionality. Legs should hit the ground straight and point straight ahead. Feet should be big and rugged and slope to pasterns.

**Disposition:** Can you move easily around the cattle without them getting nervous? Does your calf have a pleasing gentle eye? Notice how the seller handles the calves. And ask about the cow and bull like bloodlines and pedigree.

**Frame Size:** Another consideration to make when choosing your steer is to get one that is the proper size for your target show. Your steer should be adequate, long bodied and clean. Knowing how big your steer should be by the county fair is very important in order to be able to sell your animal at the 4-H Premium Sale.

## Nutrition

After you have selected your market steer, the next step is feeding your steer. In order to get your animal to an

ideal market weight you need to know what your target finish weight is, beginning weight and how many days you have until fair weigh-in day. Ideally steers should weigh around 1250lbs, but they should at least meet the minimum weight requirement set by each county which is 1000lbs.

Provide clean, fresh water at all times.

Clear uneaten feed from feed trough before feeding.

Avoid dusty, moldy, spoiled feed.

Start calves on a small amount of grain. Increase grain amounts slowly.

Feed at the same time each morning and night.

Grain should be equally divided between feedings.

Feed a clean, high quality grass hay. Provide as much hay as he will eat and still clean up his grain.

Protein content should be between 11 and 13 percent. This will promote optimal growth and market readiness.

Most commercially prepared grains have adequate supplements added.

However, you may choose to offer additional vitamins and minerals.

Make ration changes slowly over a week or two.

Beef convert 6 pounds of feed into 1 pound of gain.

Calves will eat up to 2.5 to 3 percent of body weight in feed each day. \*See feeding chart.

## Approximate Feeding Chart

Steer Weight	% of body weight eaten per day	Approximate feed amounts
500 lbs	3%	12lbs grain 3lbs hay
800 lbs	3%	20lbs grain 4lbs hay
1100 lbs	2.5%	24lbs grain 4lbs hay

Example: This will help give an average over the feeding period on how much feed your steer will need to make weight. Finish Weight = 1000lbs

Weight at Tagging Deadline (Morris Co.) March 15th = 800lb  
Days to Fair = 135 days

1000lbs finish weight – 800lbs beginning weight = 200lbs to gain  
200lbs to gain / 135 days to fair = 1.5lbs/day  
1.5lbs/day x 6lbs = about 9lbs

He needs to eat 9 pounds of feed per day to gain 1.5lbs.

9lbs x 135days = 1215lbs of feed

# Livestock Information

## Market Steer Continued

Roughly it will take 1215 pounds of feed to get your market steer to the minimum weight. You can replace those numbers with what works for your project. If you want to target a higher finish weight or the beginning weight is different then you would just switch those numbers out.

Weigh your steer regularly to help determine how he is growing. This will help you decide how much to feed him so he reaches his desired weight for the show.

If you have questions please reach out to the Extension Office.

Cited Sources Include:

[BASIC SHOW STEER FEEDING and CARE By: Darrell Rothlisberger, Rich County Agent Utah State University Extension Agrilife \(2020\). Market Steer Essentials. Texas A&M. Retrieved 2020](#)

[Brown, R.K. \(2020\). Beef Showmanship. Mississippi State University. Retrieved 2020](#)

The link to Beef resources is below.

<https://www.asi.k-state.edu/research-and-extension/youth-programs/educational-materials.html>



## Market Goats

Derived from the K-State Meat Goat Show Guide  
Goat selection may be challenging to those who show other species of livestock, as they may have not been familiar with the species growing up. However, the same basic selection principles apply! When purchasing your project, keep the following things in mind to help find the best show goat for your budget: maturity, genetics, skeletal width, muscle, structural correctness, balance, pattern, and performance. Selecting the right project can be challenging, but here are some ideas to think about moving forward:

-What is your show weigh-in date?

July 25th, 2022-Chase County

July 29th, 2022-Morris County

When selecting a goat, finding a project with the

appropriate age and size is essential. If you are targeting a county fair, you will want to select a goat that has enough size to reach the allotted weight limit. Minimum weight requirement for both Chase and Morris County is 40lbs

### Maturity

Goat maturity and end point composition are usually controlled by the amount of feed a goat eats. Ideal fat to lean ratios, otherwise known as composition, should peak whenever you reach your target show, so selecting a goat that is proper age is essential.

Earlier maturing goats can be shown at lighter weights while being compositionally correct.

These goats are generally shorter in stature as well as having less length to their face, ears, and body.

### Skeletal Width/Muscle

Muscularity and skeletal width go hand in hand. Without a wide base, it is hard to build muscle on a narrow foundation.

Indicators of genuine base width: Width through chest & Width from behind indicates genuine base width

Muscle in market goats and does is evaluated down their top and from behind: Shape of their rib, shape of their rack, width/squareness of their loin, shape to leg

### Structural Correctness

Structural correctness refers to how an animal's skeleton and joints work and are assembled. You've might have heard that structure is studied from the ground up. So, what exactly does that mean?

Feet and legs should all point the same direction.

The knee should have a slight slope backwards with a correct angle to the pastern.

The rear hocks should be square; they should not twist in or bow out. Goats should have a near 90-degree angle in the way their neck comes into their shoulder blade. The spine should be nearly level from the top of the shoulders to the base of the tail.

Goats should act comfortable in motion, without favoring any of their limbs.

### Balance/Pattern

Balance and pattern are different, but both aid to a higher quality image from the profile. A judge will consider both of these items in the show ring, so it is something to keep in mind when selecting your project. Balance refers to the symmetry of an animal and how well it's proportioned from the side. The front half of the body should match the back half of the body in terms of length.



# Market Goats Continued

Structure plays a big role in balance, if an animal is built correctly, they will most likely be well balanced.

Pattern strictly refers to the eye appeal and look of the goat, which includes: Height of shoulder, Level topline, Symmetry in motion

## Nutrition

After finding and purchasing a high-quality show project, proper nutrition is essential to maximize the genetic value of your animal. A poor diet, or lack of nutrition, can get in the way of accomplishing your show season goals.

There are four main essential nutrients in goat nutrition: water, protein, energy, and vitamins/minerals.

Water is undoubtedly the most important part of your animal's health. Aids in digestion and feed intake.

Directly correlates to performance and animal appearance. Clean and fresh water should be readily available 24/7.

If watering out of a bucket, the water should be changed twice a day. Goats can drink upwards of three gallons of water per day.

Protein is important as it strongly impacts **muscle deposition and growth**. Early stages of a goat's life are when protein muscle deposition is at its highest rate. Protein requirements reflect the stage of growth that your goat is going through. Important for tissue development.

Feed choice and selection is often directly correlated to protein content of feed. Younger goats (1-4 months of age) need a complete feed with a protein of 18%-20% it helps develop the rapid growth of muscularity at this stage.

Older goats (4 months of age and older) need to transition to a feed with a crude protein content of 15-17%. They start declining in muscle deposition and increase in the amount of fat they begin to carry.

Finishing your goats requires a lower protein to ensure a smooth and even fat cover.

Energy/Carbohydrate intake is essential to the diet of your goat and is met through the carbohydrates and fats in grain. Most show feeds contain 5% crude fat which aids in the physical appearance and health of your animal. If too much fat is consumed, the composition of your goat will be compromised and exercise may be needed to get rid of the excess cover. Compared to other species, goats do not transition to higher energy feed as they mature. Need energy in a beginning ration to help develop into their potential.

Recommended fat levels in feed: Younger goats (1-4 months of age) require 3-6% and Older goats (4 months of age and older) require 5%

Vitamins & Minerals help goats maintain proper health and growth development at all stages of their life. All complete feeds should provide enough vitamins and minerals for normal function. Although supplementation is common and effective. Goat mineral is a cheap supplement that can help maintenance as well as proper functioning of their physiological system.

Minerals: Calcium, phosphorus, magnesium, sodium, potassium, sulfur and chlorides. These are the most important minerals that keep rumen health and body development moving forward. Recommended that a mineral supplement is provided at all times to ensure they are meeting their requirement. A calcium to phosphorus ratio of 2:1 is recommended to prevent Urinary Calculi.

Vitamins: (A, D, E, & K) are important to the goat's diet due to their inability to produce these vitamins. Mineral/vitamin supplements contain proper levels of all essential vitamins.

Roughage- with a solely grain-based diet, there can be concerns with rumen health, digestion, and feed intake.

A ¼ pound of roughage once daily helps meet fiber requirements while helping with overall digestion.

High quality show feeds will meet energy and protein requirements, so a grass hay is recommended:

Brome & Sudan

Do not overfeed hay or allow unlimited intake it will decrease grain consumption

If you have questions reach out to the Extension Office. Good Luck!

The link below will take you to the complete K-State show meat goat guide and additional resources.

<https://www.asi.k-state.edu/research-and-extension/youth-programs/educational-materials.html>



# Livestock Information - Market Pig

To be successful showing pigs, plan before purchasing the show pig. Know what the requirements for the specific show are that you will be exhibiting at. For this instance, we will talk about the county fairs and give some examples. 4-Her's will have purchased their pigs and owned them at least 90 days prior to fair weigh-in day. For Chase County Fair the minimum weight requirement is 220lbs and for the Morris County Fair the minimum weight requirement is 230lbs. Those are the target weights that will need to be achieved in order to sale at the Premium 4-H sale.

With the small animal weigh-in dates being 1 day apart from each other for both counties we will look at what your pig should weigh at those weigh-in days in order to meet weight by fair. Keep in mind that pigs usually gain on average between 1.5lbs-2.0lbs each day. It normally takes 3lbs of feed for a hog to gain 1lb.

Example: If your pig needs to weigh 220lbs by fair, and we will use an ADG (average daily gain) of 1.5lbs and you have 90 days until show then by weigh in your pig should weigh at least 85lbs in order to make weight. How to calculate:  $220\text{lbs} - (1.5\text{lbs} \times 90\text{ days}) = 85\text{lbs}$

Target weight-  $(\text{ADG} \times \text{days to show}) = \text{weight by May 1st}$

In this example your animal will gain 1.5lbs per day so they should be eating at minimum 4.5lbs of feed per day. If the market pig was gaining 2.0lbs per day then they would be eating at least 6lbs of feed per day. Knowing how much grain your pig is eating will help you know if they are gaining enough daily to meet the weight requirements.

- There are several factors that can make a pig not want to eat/gain weight. Some of

those include hot summer days, when we see high temperatures pigs tend to not eat. In order to keep your pig comfortable and eating we suggest cooling them down which may include: providing more shade, watering the pigs down throughout the day, creating a mud hole for them or placing a fan in their pen to circulate air.

- If your pig is struggling to gain weight we suggest feeding them by hand instead of a self-feeder and maybe feeding them 4-6 small portions a day.

- To keep your market pigs healthy, we suggest worming them once you get your pigs if it hasn't already been done.

- Always provide clean, fresh water at all times.

- A suggested diet for market pigs is a complete pelleted ration containing either 16 percent or 14 percent protein for growing and finishing hogs.

When selecting your show pig make sure that you select an animal that has the potential to gain enough by show day. If you buy a pig on April 15th then they need to at least weigh 70lbs in order to make weight if their ADG is 1.5lbs. If you select a hog that weighs 50lbs on April 15th then they would need to be fed at least 5.0-5.5lbs of feed in order to have an ADG of 1.7lbs.

If your hog is under 100 lb. at weigh in, you might have to monitor weight a little closer and push if needed.

Knowing this information should help you raise a quality animal for your local county fair. If you have any questions please feel free to call the Extension Office.

Cited Source Includes:

K-State Show Pig Guide By: Dr. Joel DeRouchey, KSU Extension Specialist

The link below will take you to the complete K-State show swine guide and additional resources.

<https://www.asi.k-state.edu/research-and-extension/youth-programs/educational-materials.html>





# Livestock Information - Market Lamb

The most important thing to consider when selecting a market lamb is the date of your county fair. The average lamb will be finished between 5 and 7 months of age. A lamb that is to be shown in the summer months will generally be born between December and February and purchased after weaning in the spring. For the Chase County Fair, the minimum weight requirement for lambs is 100lbs and for the Morris County Fair is 90lbs in order to sell your lambs at the 4-H Premium Sales.

Proper feeding of your market lamb is essential for a successful project. Hand feeding or feeding a limited amount of feed multiple times throughout the day is recommended for lambs. This will help prevent overeating and allow you to monitor the growth of your lamb. You will need to feed your lamb both roughages (hay) and concentrates (grains).

## Feeding Roughages

In order for your lamb's digestive system to function properly you will need to provide some form of roughages. Grass and alfalfa hay are the most common roughages to feed a market lamb. Feed your lamb a minimum of 1lb of hay per day to ensure proper digestion.

## Feeding Concentrates

Once you have your lamb, it is important to allow them to adjust to their new surroundings. During these first few days it is a good idea to feed your lamb strictly grass or alfalfa hay, especially if they have not previously been fed concentrates.

## Starting Your Lamb on Concentrates

Start feeding your lamb concentrates in small portions. The portions should be approximately  $\frac{1}{4}$  to  $\frac{1}{2}$ lb per day. Your lamb should consume the grain in 15-20 minutes. After 20 minutes remove any excess grain and reduce the amount of grain fed the next feeding by the amount that was not consumed. You want your lamb to eat all of the grain that is provided. Gradually increase the amount of grain being fed until you have reached 2lbs per day. This should be accomplished over a two-week period.

## Growing vs. Finishing Rations

A lamb should be fed a growing ration with 16-18% protein until they reach approximately 70 to 85 lbs. At this time the lamb does not require as much protein and can be fed a finishing ration with 12-14% protein. When switching from a growing to a finishing ration it is important to do it gradually. Start by adding a small portion of finishing ration to the growing ration being

fed. Every few days add more finishing ration and feed less growing ration.

## Determining How Much to Feed

Take the time to evaluate how much your lamb will need to gain from the time of purchase until your show date to be sure you start feeding grain at the most appropriate time and amount. As an example, you purchase a 50lb lamb, your lamb must weigh a minimum of 100lbs for the show and you have 90 days until your show. Your lamb needs to gain 50lbs or .55lbs per day.

$$- 100\text{lbs} - 50\text{lbs} = 50\text{lbs}$$

$$- 50\text{lbs} / 90 \text{ days} = .55\text{lbs/day}$$

Lambs typically need to eat 2 to 5lbs of grain for every 1 pound of gain. A general rule of thumb is if the lamb is in the growing stage 45-80lbs then they should be fed 2.5-3.5% of the lambs' body weight each day and will have a targeted average daily gain (ADG) of .5-.8lbs/day. If the lamb is in the finishing stage so greater than 80lbs you would feed 3-4% of the lambs' body weight each day for a targeted ADG of .6-1.0lb/day. Water and Minerals

Always provide plenty of clean water and have free choice loose salt, and loose trace minerals available at all times. Feed your lamb on a regular schedule and weigh your lambs feed at least once a week so that you know how much your lamb is eating. Feeding your market lambs to reach proper weight and finish at show time is a challenge you and your family will enjoy. Please if you have any questions reach out to the Extension Office.

Good luck with your lambs!

Cited Sources Include:

[Feeding Your Market Lambs: A Youth Guide By: Tom Platt, WSU Extension Educator](#)

[A Guide to Feeding Lambs By: Paul Kuber and Jeanne Osborne, Ohio State University Department of Animal Sciences](#)

The link to the complete K-State show Sheep guide is below.  
<https://www.asi.k-state.edu/doc/youth/k-statesheepprojectguide.pdf>

<https://www.asi.k-state.edu/research-and-extension/youth-programs/educational-materials.html>



# DISTRICT 4-H DATES

## March

March 4 - KSU Cattleman's Day  
March 5 - District Club Day, Morris County Host  
March 5 - Jr. Beef Producer Day @ KSU  
March 11 - CWF Raffle Begins  
March 12 - Shooting Sports Qualifier @ Holton  
March 15 - Morris Co. Beef Weigh In (6-8 PM)  
March 18-20 - Equifest  
March 19-20 - Shooting Sports Qualifier @ Riley County  
March 19 - Jr. Sheep Producer Day @ KSU  
March 19 - CWF Fundraiser @ White City  
March 26 - Regional Club Days @ Maddison  
March 28 - Chase Co. 4-H Council Meeting  
March 30 - Chase Co. Beef Tagging Deadline

## April

April 2 - CWF Fundraiser @ Council Grove  
April 3 - YQCA training  
April 11 - Blue Dragon Classic @ Lyons  
April 18 - Morris Co. 4-H Council Meeting  
April 23 - State Shooting Sports @ Great Bend  
April 30 - Chase Co. Small Animal Weigh In (9 AM - Noon)

## Looking Ahead

May 1 - State Beef Nomination Deadline  
May 1 - Morris Co. Small Animal Weigh In (2-4 PM)  
May 25 - Chase Co. Project Day  
June 1-3 - Discovery Days  
June 3-12 - Citizenship Washington Focus (CWF)  
June 7-8 - KSU Horse Judging Camp  
June 9 - State 4-H Horse Judging  
June 15 - State Small animal & Commercial Heifers  
Nomination Deadline  
June 19-22, 2022 - Rock Springs 4-H Camp session #4  
June 22 - NC District Horse Show  
July 8-10 - Tri-County Fair  
July 21-29, 2022 - Chase Co. Fair  
July 23- Aug 1, 2022 - Morris Co. Fair  
August 20-21 - Livestock Sweepstakes  
September 9-18 - Kansas State Fair  
September 30- October 2 - Kansas Junior Livestock Show

## Livestock Shows

A complete list of shows available can be found here:

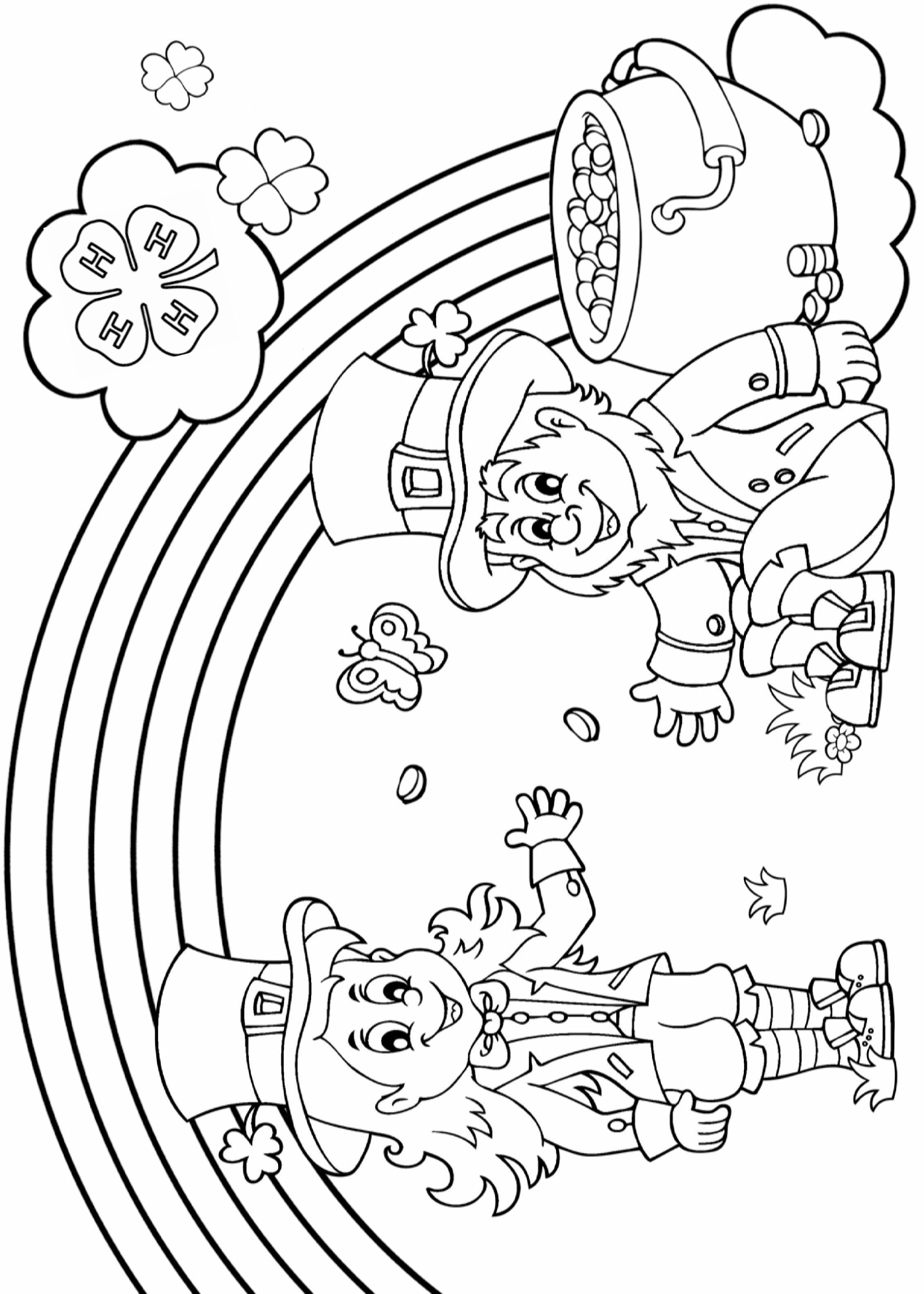
<https://www.asi.k-state.edu/research-and-extension/youth-programs/spring-shows/index.html>

## Additional District Horse Show Dates

<https://www.kansas4-h.org/events-activities/conferences-events/horse/districthorseshows.html>

K-State Research and Extension is an equal opportunity provider and employer.

K-State Research and Extension is committed to providing equal opportunity for participation in all programs, services, and activities. Accommodations for persons with disabilities may be requested by contacting the Extension Office two weeks prior to the start of the event at 620-767-5136. Requests received after this date will be honored when it is feasible to do so.





# AGENT'S TIP OF THE MONTH

## County Check Sheets and Pin Applications

It is helpful to print the county check sheet and pin application at the beginning of the 4-H year. If you haven't done so already, take the time to print these. As 4-H events come up, you can add them to your document, so you aren't stuck in September missing a pin by 1 point. On the pin applications, it is important to recognize that there are two parts to the requirements. The top always includes the required items on the list. you must be able to check all of these. The optional portion below allows the member to meet a certain number of those listed but does not have to meet all of the items listed to receive the pin. There are many County, District, and State level activities to participate in. Look ahead to the year to see what you could attend to meet the pin requirements. Also, there are a list of hints listed with each pin application. This document is a great starting point for basic questions. As always, if you have any questions, please ask. If you need help determining activities that might meet the items on the checklist, let us know.



Shandi

## Animal Project Report Form

As you acquire your 4-H animals remember to take a look at the animal project report form and begin your record keeping now.

**Section 1** talks about what are your project goals. Take the time now to set those goals and record them now and that way as you accomplish them you can record that as you go.

**Section 2** is where you record any project related presentations & communications that you have completed throughout the 4-H year. Plan to do one of these if you already haven't.

**Section 3** is about project learning experiences and may include things like project meetings, workshops attended, field trips, home related project work or self-guided studies about the 4-H project.

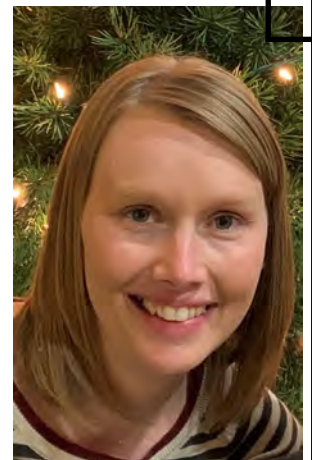
**Section 4** should be where you record your project related exhibits and showcase opportunities. This includes the county fair, state shows, and may include non 4-H events as well.

**Section 5** is where you record project leadership that you participated in throughout the 4-H year. Leadership is teaching another person or a group skills or information and may include organizing or coordinating activities. Holding an office related to your project is another way of showcasing leadership.

**Section 6** is the place to record project specific citizenship/community engagement which is helping out in the community and serving others without compensation. This is where a type of community service project that is related to your project may be recorded. A petting zoo for a local event or animals as therapy at the local nursing home are a few examples.

It is very important to keep receipts and records of the cost of feed, supplies, vaccines, show fees, and any other cost associated with your 4-H project. Also, any income that you receive associated with that 4-H animal should be recorded as well. Those can include things like, eggs from your chickens, milk from your goats or dairy cattle, offspring if you are in the breeding project and prize money/premiums from shows. These are all recorded in **Sections 7A-7E**.

The best way to complete your project report form is to start as soon as you get your 4-H animal!



Chelsea

# CHASE COUNTY

## Tagging and Weigh In

We will be using EID tags for all livestock animals in 2022 again. This year each 4-Her will be responsible for paying for their tags and they will cost \$3.25 each. Beef tagging deadline will be March 30th and the small animal weigh-in and tagging will be from 9am-12pm on April 30th at the Chase County Fairgrounds.

## Beef tag Update

Due to tag delays, beef tags will not be available on March 1. Members in the beef project will receive an email when they arrive. Currently the beef tagging deadline is still set for March 30th.

## New Member Packet

New Member materials can be found on the Chase County page of the District website. <https://www.flinthills.k-state.edu/4-h/chase-county/index.html>

New Member materials can be printed from the website or let the Extension Office know if you need copies printed.

Note: these materials have been updated to reflect the Project Report Forms that were used last year for the record books.

As couple of clarifications now listed on the Order of Assembly:

\*Must complete project records for at least half of the projects that you are enrolled in (if half is not a whole number, round up)

\*If you are enrolled in the Leadership Project, this must be one of the projects that you complete records for to complete this project for the year

## Livestock Ownership

Dates for 2022 are as follows

Bucket Calves - Owned and tagged by April 30th

Market Swine - Born after January 1, owned and tagged by April 30

Market Sheep - Born after January 1, owned and tagged by April 30

Market Goats - Born after August 1, owned and tagged by April 30.

Rabbits and Poultry - Owned by May 31

## 4-H Council Meeting

It was decided at the November Meeting to hold 4-H Council Meetings on the 4th Monday of the odd months at 6:15 PM.

The next Council Meeting is scheduled for Mar. 28th at 6:15 PM and will meet at the community building.

## County Meeting Attendance Policies

To complete the 4-H year, be classified as a legitimate 4-H member, and be eligible to exhibit at the fair, a member must attend at least one half (1/2) of the regularly scheduled club meetings.

## Project Day

Project day in Chase County has been set for May 25th. Please put this date on your calendar and plan to attend. Family and Consumer Sciences Judging Contest and Photography Judging Contest are planned prior to project meetings. The schedule for the day is listed below.

9-11:30 - Judging contests will be set up for participation.

10-10:30 - Rotation 1 Project Meetings

10:30 - 11 - Rotation 2 Project Meetings

A complete list of project meetings scheduled will be available closer to the event.

## Fair 2022

The Fair Board voted to allow market goats to sell in the Livestock Premium Sale for the 2022 Fair. Members will still be limited to selling one animal per specie through the premium sale. Extra animals who have made weight can be sold to the floor buyer if they wish. All market animals must be tagged with a 4-H eID tag by the 4-H tagging deadlines.

The fair board voted at the February meeting to set the minimum weight at 40 lb. for market goats.

## Project Changes

There have been some project changes at the State level. The fair book is being revised to update and include these project changes. Be sure to look over the complete project list when selecting projects for the 4-H year and look for updates in next year's fair book



# 2022 CHASE COUNTY



Sun      Mon      Tue      Wed      Thu      Fri      Sat

		1	2	3	4	5
					KSU CATTLEMAN'S DAY	DISTRICT CLUB DAY @ MORRIS COUNTY JR. BEEF PRODUCER DAY
6 SHOOTING SPORTS PRACTICE	7	8	9	10	11 USD 284 NO SCHOOL	12 SHOOTING SPORTS QUALIFIER
13 SHOOTING SPORTS PRACTICE	14	15	16	17	18 EQUIFEST	19 EQUIFEST JR. SHEEP PRODUCER DAY SHOOTING SPORTS QUALIFIER
20 EQUIFEST SHOOTING SPORTS PRACTICE SHOOTING SPORTS QUALIFIER	21	22	23	24	25	26 REGIONAL CLUB DAY @ MADDISON
27 SHOOTING SPORTS PRACTICE	28 4-H COUNCIL MTG. 6:15 PM	29	30 BEEF TAGGING DEADLINE	31		







# HAPPY BIRTHDAY



Luke Budke  
Cassidy Dalquest  
Vonda Danford  
Dana Davis  
Ayla Dodge  
Trinadee Fetters  
Jace Goodman

Archer Hodges  
Joseph Inlow  
Jameson Lutt  
Maya Mulryan  
Riggin Parker  
Tanner Swigert  
Hayvin Thornhill

## A FLASHBACK IN 4-H HISTORY



Morris County Club Days 2004

# MORRIS COUNTY

## Morris County Scholarship

Congratulations to Mark Andres on receiving the 13th annual Morris County Conservation District Scholarship.



## Morris County 4-H Foundation Scholarship

Once again the Morris County 4-H Foundation is offering scholarships to present or past Morris County 4-H members. Also, Please note that students can apply and receive the scholarship twice. The application will be sent to last year's seniors and this year's seniors via e-mail. You can also find it on our website in Word or PDF Format. Go to: <http://www.flinthills.k-state.edu/4-h/morris-county/scholarships/index.html> to get it from our website. We also have blank copies in our office if you want to stop by to pick one up. The deadline to apply is Monday, April 25th. Let us know if you have questions.

## Lock In



## Important Dates

**Fair Board Meeting**  
Tuesday, March 1st 7 PM

**4- H Council Meeting**  
Monday, April 18th, 7 PM

## Konley Harding Memorial Scholarship

Applications are now being accepted for a \$1,000 academic scholarship in memory of Konley Harding. Applications are due May 10 and are available in the Extension Office or on the website at: <http://www.flinthills.k-state.edu/4-h/morris-county/scholarships/index.html>.

## 4-H Foundation Camp support

The Morris County 4-H Foundation voted to pay \$236 toward registration fees for Morris County 4-H members to attend camp in 2022. The Extension Office will coordinate for this credit to be applied to accounts at Rock Springs between April 15 and May 1.

## Dog Meeting

Dog meetings will be held at the Morris County Fair Building on the following dates:

Sunday, March 20th at 4:30 pm

Sunday, April 24th at 4:30 pm

Sunday, May 15th at 4:30 pm

\*June and July meeting dates and times will be established by May 15th. Members can expect to have one meeting a week during June (4) and July (3).

## Cloverbuds

We will be having our next Meeting March 12th at 11AM.

April 9th

July 30th Meet at fair

May 14th

August 13th

June 11th

September 10th

## 2022 Morris County Fair

The dates for the 2022 Morris County Fair have been set for July 23 - August 1. Mark your calendars and we hope to see you then!





# 2022 MORRIS COUNTY



Sun      Mon      Tue      Wed      Thu      Fri      Sat

		1	2	3	4 KSU CATTLEMEN'S DAY	5 DISTRICT CLUB DAY @ MORRIS COUNTY JR. BEEF PRODUCER DAY
6 SHOOTING SPORTS PRACTICE	7	8	9	10	11 USD 417 & 481 NO SCHOOL	12 CLOVER BUD MEETING 11 AM SHOOTING SPORTS QUALIFIER
13 SHOOTING SPORTS PRACTICE	14	15 MORRIS CO. BEEF WEIGH IN 6-9 PM	16	17	18 EQUINEST	19 EQUINEST JR. SHEEP PRODUCER DAY SHOOTING SPORTS QUALIFIER
20 EQUINEST DOG MEETING 4:30 SHOOTING SPORTS PRACTICE SHOOTING SPORTS QUALIFIER	21	22	23	24	25	26 REGIONAL CLUB DAY @ MADDISON
27 SHOOTING SPORTS PRACTICE	28	29	30	31		





# Flint Hills District 4-H News

## Flint Hills Extension Office

Shandi Andres  
Agent, Family & Consumer Sciences/4-H

Chelsea Bartels  
Agent, Ag. & Natural Resources/4-H

Aleece Priest  
Office Professional, CG Office

BettyAnn Yeager  
Office Professional, CWF Office

## March 2022 Newsletter

Flint Hills Extension District

**K-STATE**  
Research and Extension



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Council Grove, KS 66846  
620-767-5136

