



**Cornell University**  
Cooperative Extension  
Allegany County

**4-H Office**

5435A County Road 48  
Belmont, NY 14813  
t. 585-268-7644  
f. 585-268-5939

<http://cce.cornell.edu/allegany>

October 2023 - September 2024

Dear 4-H'ers

Your Project Record Books have been Revised for 2024 and there are a few changes we wanted you to be aware of.

- We have included your pre-fair registrations form, fair registration forms and the fair rules and regulations for each animal you will be showing in your project record book.
- Due dates for each form are stated in **red**.
- Project records books and all pre-fair and fair forms will be available on the 4-H webpage at <http://allegany.cce.cornell.edu/4h-youth-development> as well as in the 4-H office.
- Project Record Books are designed so that you work with them throughout the duration of your project, and not at the very end. Please plan your time wisely to get the most from this fun and rewarding opportunity!
- We will have Livestock interviews at the fair on Friday, July 22nd from 9-11 am. ( time is subject to change)
- **Project Records and Portfolios will be due in the office by Monday, September 9th.**

Any questions or concerns please contact Tricia at 585-268-7644 ext. 16 or by email at [pjh34@cornell.edu](mailto:pjh34@cornell.edu)

Sincerely,

Tricia Heary

4-H Program Coordinator

*Building Strong and Vibrant New York Communities*





Allegany County Cooperative Extension  
Junior Breeding Beef Project Record Book

---

**PLEASE ATTACH A PICTURE  
OF YOUR PROJECT ANIMAL  
HERE**

Name: \_\_\_\_\_

Name of your animal \_\_\_\_\_

Age (as of January 1<sup>st</sup>) \_\_\_\_\_ Years in 4-H \_\_\_\_\_

Date Project Started \_\_\_\_\_ Date Project Closed \_\_\_\_\_

## **Instructions**

1. Use this project record for breeding beef calves born Sept 1<sup>st</sup> –Dec 31<sup>st</sup> of the previous year or born Jan 1<sup>st</sup> or after of current year.
2. Keep a separate record for each individual animal.
3. Fill out a new project record book every year for breeding beef however some information will carry over from the previous year.
4. Write the things you do with and without your animal that relates to your breeding project.
5. Keep all receipts as proof of money spent for your project. Photo copies of receipts are allowed.
6. Turn in your project records by the date that portfolios are due in order to get credit for your project.

# Project Plans

Complete this section after you take ownership of your project.

Why did you choose this individual animal?

---

---

---

---

How do you plan to care for this animal?

---

---

---

---

What do you want to learn about your project this year?

---

---

---

---

How will you ensure your animal is on track for show?

---

---

---

---

# Project Animal's Information

Animal's Name \_\_\_\_\_

Identification Number and/or Tattoo \_\_\_\_\_

Breed(s) \_\_\_\_\_

Gender \_\_\_\_\_ Date of Birth \_\_\_\_\_

Date of Purchase \_\_\_\_\_ Total Purchase Amount \$ \_\_\_\_\_

Purchase Weight \_\_\_\_\_ lbs Purchase Hip Height (inches) \_\_\_\_\_

Days from Purchase until Show \_\_\_\_\_

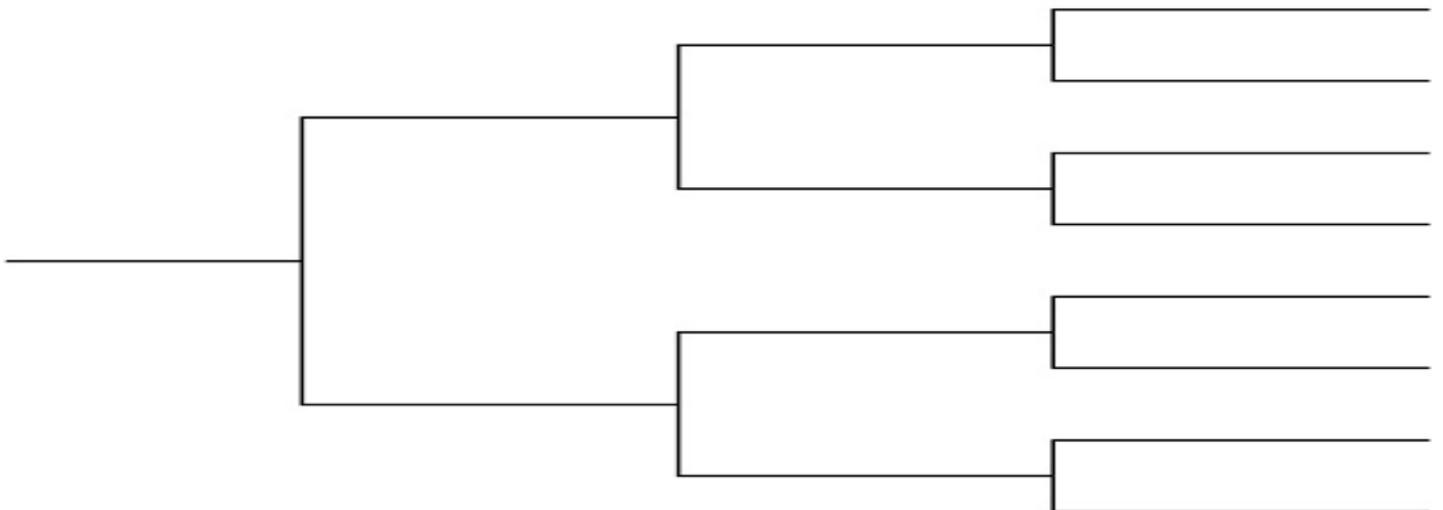
Estimated Show Weight \_\_\_\_\_ lbs

Estimated amount of pounds needed to gain until show \_\_\_\_\_ lbs

Estimated pounds gained per day until show \_\_\_\_\_ lbs

## Project's Pedigree

Fill in as much of your project's pedigree you know even if it is just different breeds that make up your animal.







# Bull Selection

If you have a heifer, compare at least two bulls including the bull you use for breeding. If you have a bull project compare him to a similar bull here.

## Bull #1

Name \_\_\_\_\_ Breed \_\_\_\_\_

What are some reasons to use this bull for breeding? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What are some reasons not to use this bull for breeding? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Bull #2

Name \_\_\_\_\_ Breed \_\_\_\_\_

What are some reasons to use this bull for breeding? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What are some reasons not to use this bull for breeding? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What bull did you choose (name) \_\_\_\_\_

# Breeding Evaluation

When will your animal be eligible for breeding? \_\_\_\_\_

What date do you expect to breed your animal? \_\_\_\_\_

How will you breed your animal? \_\_\_\_\_

## Heat Tracking

Use this chart to help track heats on your heifer or dates you see your bull tracking animals he is to breed. Use the bleed off column to document the ID of an animal tracked by your bull and determine her cycle days and next heat to see your bull's behavior or possible conception of that animal previously tracked by your bull. Ball markers or heat detection patches can be used.

<b>Date</b>	<b>Behavior displayed</b>	<b>Bleed off date Or Animal ID</b>	<b># of days in her cycle</b>	<b>Next expected heat</b>
7-20	Standing for mounting	7-21	17	8-6

\*If you breed your heifer mark it here in this chart so you can check for her next heat to help determine conception. Synch protocols can also be documented here if used. Additional pages can be added.

Is your heifer showing regular cycles or did your bull have a semen evaluation

Why or why not? \_\_\_\_\_

Did you synch your heifer for breeding if so what synch protocol did you use?\_\_\_\_\_

---

Did your animal settle on the first breeding?\_\_\_\_\_

Why or why not?\_\_\_\_\_

If conception was achieved, when is your calving date? \_\_\_\_\_



## Information to Assist Your Feed Records

Additional pages can be added if needed. Remember purchased or bought items should have a receipt to document the purchase. Photo copies of receipts are allowed. If you are feeding more than one animal, only document the feed that is given to **your** individual animal. Depending on your set up we realize calculating feed cost for one individual can be difficult. Estimations for this purpose are acceptable as long as the documented receipt can prove to be accurate.

For example: You are feeding a group of ten calves and buying two hundred pound bags of feed every week at ten dollars a bag, note the relative size of your calf compared to the group. All ten calves are eating approximately 2.86 pounds of feed a day each. If your calf is the biggest and spends the most time at the feeder, he/she is probably eating more than average. This should be documented at three pounds per day.

### ***Here is how the math works:***

200 lbs of feed given to 10 calves = 20 lbs of feed per day

Divide by 7 days = 2.86 lbs of feed per calf per day

You would round up because your calf is bigger to 3 pounds per day

3 lbs X 7 days = 21 lbs of feed per week

21 lbs is less than 100 lbs therefore 21 lbs/100 lb bag is 0.21 bags

\*See the last line in the example chart for documentation of this. Be sure to make a notation on the receipt to reflect the relative cost.

## Summary of Feed Costs

Total cost of forages fed (add all forage cost per unit total cost) \_\_\_\_\_

Total cost of grains fed (add all grain cost per unit total cost) \_\_\_\_\_

Total cost of supplements fed (add all supplement cost per unit total cost) \_\_\_\_\_

Total feed cost (add all three totals up) \_\_\_\_\_



## Other Costs or Income

These costs can consist of general supplies like; halters, brushes, bedding, trucking, breeding cost. Income can be prize money won or manure sold etc. Final information will be placed on the financial summary page.

Date	Item/description	Cost (\$)	Income (\$)
Example 4/18	Entry Fee	\$5.00	
Breeding fee			
<b>Total</b>			

# Financial Summary

Here is where you are going to put all your documentation together from the previous pages.

## Income

Other income total \$ \_\_\_\_\_

## Expenses

	Beginning Evaluation (\$)	Actual Amount (\$)	Total (\$)
Cost of animal at Purchase (\$) Or *cost to raise as a calf			
Total cost of Feed (\$)			
Total Health Care cost (\$)			
Breeding cost (\$)			
Other cost (\$)			
Other income (\$)			
Your cost to raise yearling project this year(\$)			

\*Only put this value in if you had this animal last year and have continued to raise him/her. The value would carry over from your last project record.

Total pounds gained \_\_\_\_\_ lbs

Your cost per pound to raise your yearling \$ \_\_\_\_\_ (Your cost divided by pounds gained)

Could you do something differently to increase your profit on next year's project?  
(Examples: use cheaper feed, don't buy a bottle baby, or purchase a preconditioned calf)

---



---

How did your initial profitability evaluation and the actual compare and why?

---



---

## What You Experienced

Where did you keep your animal? \_\_\_\_\_

\_\_\_\_\_

What did you do to take care of your animal? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

How much and what did you feed your animal? \_\_\_\_\_

\_\_\_\_\_

What did you do to keep your animal healthy? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What did you do to keep your animal and equipment clean? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What did you do to groom and train your animal? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What are you doing next with your animal? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What was one skill you learned or improved this year? \_\_\_\_\_

---

---

What was one goal you met this year? \_\_\_\_\_

---

What would you like to learn or do next year? \_\_\_\_\_

---

---

---

Portions of this Project Book were adapted from publications from Penn State University's College of Agricultural Sciences and Penn State Extension

*Building Strong and Vibrant New York Communities*

Cornell Cooperative Extension is an employer and educator recognized for valuing AA/EEO, Protected Veterans, and Individuals with Disabilities and provides equal program and employment opportunities.

## **Rules and policies governing 4-H and FFA Market and Non-Market Beef Steer and Market and Non-Market Dairy Steers Classes and Sale.**

*Only Allegany County 4-H and FFA members are eligible and must be 8 years old by January 1<sup>st</sup> of the current year.*

1. Health papers are due at time of arrival. **Market animals to be in place by 1 pm on the Sunday before opening day of the fair.** arrangements can be made prior with the superintendent of the species if the 1 pm placement time cannot be met. All market animals will be officially weighed-in by the Livestock Committee starting approximately at 3 pm, Sunday before the fair opens. Project animals will only be weighted once. No filling or pumping allowed. Animals are not to be fed or watered two hours prior to being weighted. Each superintendent will be around to give a “last call” for feed and water for your species.
2. **Please inform your buyers that payment is expected the night of the sale. Only approved buyers that contact the office 2 week prior to sale will be allowed to purchase via 30 days.**
3. All project beef steers must be purebred or beef breed crosses. A market beef steer cannot knowingly consist of a dairy beef cross. Dairy Steers are to be dairy breeding only. Dairy Beef Steers are to be of a cross between Dairy and beef breeds.
4. Project steers must be born on or after January 1<sup>st</sup> of the previous year. All steers must be properly dehorned or polled.
5. All Market steers (in sale) must be owned by the member and officially entered at the 4-H office. **Entries are to be postmarked on or before January 31<sup>st</sup>.** All Non-market steer (not in sale) can be entered as late as May 1<sup>st</sup>. Appropriate entry forms are available in the project record books or online on our website at <http://allegany.cce.cornell.edu> . All steers must have the NYS 21 ear tags in their ears for identification.
6. Project members will be required to have a NYS series “21” type ear tag, which can be installed by a veterinarian. (a series “21” type ear tag must be installed regardless of other ear tags already present on the animal.) if the ear tag is lost, the member is to notify the 4-H office in Belmont as soon as possible. Failure to notify the office or chairperson may disqualify the animal. A new tag is to be installed immediately.
7. **Steers need to be in place at the fairgrounds by 1pm** the day before the fair opens unless prior arrangements are made with the beef superintendent. **Health papers must accompany the animal.**
8. Each exhibitor must participate in the appropriate showmanship class with their own project animal.

9. All animals must be exhibited unless excused by the superintendent because of illness, injury, temperament etc. If two animals are entered in one class, the second animal must be shown by a 4-H/FFA youth aged 9-18 prior to January 1 of the year of fair, who has shown a cattle project before or is otherwise approved by the Livestock Committee.
10. When showing or working around beef or dairy steers at the fairgrounds, leather shoes or boots, preferably no lightweight rubber boots, should be worn for safety. **No sneakers, No open toed shoe, flip flops or sandals will be permitted.**
11. Completed record books or expense sheet may be turned in at the time of the Livestock interview or turned into the office in September same time as portfolio are due.
12. Steers must be fed, cared, and groomed by the exhibitor. Limited assistance by other Allegany County 4-H and FFA members is permitted if necessary.
13. Weight requirement:  
**All Market eligible beef steers must weigh a minimum of 950 pounds** at fair weigh-in to be accepted and sold in the market sale. **Dairy steers must weigh a minimum of 1,000 pounds** at fair weigh-in to be eligible for the sale. Animals not meeting this minimum weight requirement will be considered a feeder or non-Market steer and placed in the appropriated weight class for show divisions.
14. Eligible Market animals must go through the auction and be sold to the highest bidder. An eligible animal is considered to have met all pre-fair weight and age requirements as well as received a blue or red ribbon form the Market steer class during the youth beef show. Each exhibitor should actively secure buyers for his or her animal to be bid on and purchased sale night. Any animal pulled from the market sale that was shown in the market class will be subject to a penalty fee and forfeit all premiums and prizes earned.
15. The 4-H Livestock Committee will organize the sale and buyer recognition in return for a fee. 4-H will provide billing (not collection) and pay an exhibitor who has met all requirements accordingly. The fee will be based on a percentage of gross sales receipts. The rate will not exceed 8% of the gross sales receipts, except in the case of penalties.
16. All steers will be placed according to weight class with Beef classes being Light, Medium and Heavy Weight. An Intermediate Weight class may be added, at the discretion of the Superintendent in charge. The Dairy Steer classes will be divided at the discretion of the Superintendent in charge according. Steers that are to be non-market and not sold in the market sale are either designated at the time of enrollment by January 31<sup>st</sup> or are animal that did not meet weight or other requirements.

17. An extra fee will be deducted from any member's check that removes an animal or does not properly feed, clean and care for his/her animal until the release time set by the fair association. Animals left after the release time must be properly secured. Youth must participate in the cleaning of barn area after removal of animal unless otherwise excused by the Livestock Committee.

18. **Non-Market steers that need transportation after the fair is the responsibility of the exhibitors.**

19. Each exhibitor must care for his/her own animals, show them, and help maintain cleanliness in the barn and show area.

20. The official judge for each class will judge based on the Danish system. The decision of the judge will be final and viewed with respect by all participants.

21. All market animals must conform to the Animal Health Regulations as started by the NYS Department of Ag and Markets posted annually. **All vaccinations such as rabies and shipping fever must be given within appropriate withdraw times this can range from 14 day to 45 days depending on the vaccine.** It is the responsibility of the exhibitor to ensure withdraw times are met prior to slaughter. Also, BVD testing is a state requirement, and you need to allow for test results to be completed and returned prior to fair as well as health papers. Local vets or livestock committee members can help you if health paperwork and proof of vaccination is unclear. **All market animals that receive a rabies vaccination must have them 3 weeks prior to Wednesday night of auction.**

22. Failure of an exhibitor to comply with any regulation may result in an additional sale fee and/or disqualification at the discretion of the Livestock Committee.

23. Species superintendent (and /or committee members) has the privilege to inspect animals during the course of the project.

24. The forgoing rules and policies are intended to supplement those in the Allegany County Fair Premium Book available online at [www.alleganycountyfair.org](http://www.alleganycountyfair.org)

25. Participation in the Youth Market Show and Sale implies acceptance of these policies and rules by the participating member and his or her parents.

\*\*\*\*\*NO RULES WILL BE CHANGED\*\*\*\*\*

- \* All market animals must be sold at the fair sale, except for animal labeled as non-Market.
- \* Animals will be sold to the highest bidder
- \* **Payment is expected the night of the sale**
- \* 4-H Livestock committee will organize sale and buyer recognition in return for a fee
- \*4-H will provide billing and pay to qualified exhibitors
- \* All animals will comply with proper vaccines, testing and treatment withdrawal times. These policies and rules by the participating member and his or her parents.

-----  
I have read and understand completely the rules and regulations regarding Market and Non-Market steers. I understand that I can be charged addition fees and forfeit premiums and prizes earned if I do not comply with all the above rules, policies, and regulations set forth by the Livestock Committee.

-----  
Exhibitor Name (print)

-----  
Date

-----  
Exhibitor Signature

-----  
Parent/ Legal Guardian Name (print)

-----  
Date

-----  
Parent/Legal Guardian Signature

-----  
Date



**THIS IS A PRE-FAIR ENTRY FORM- for the following. For all animals and Non- Market Steers**

Note: completed form must be received in the 4-H office by pre fair entry deadline **May 1<sup>ST</sup>**

Name: \_\_\_\_\_ Age as of 1/1 \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

4-H Club \_\_\_\_\_ Individual \_\_\_\_\_

Parent/ Guardian Signature \_\_\_\_\_

Fill in the blanks that pertain to what you are planning on bringing to the fair.

<b>Breeding Animals/ Pet</b>
Beef How Many _____
Sheep How Many _____
Goats How Many _____
Hogs How Many _____
Rabbits How Many _____
Cavy How Many _____
Poultry How Many _____

<b>Market Animals</b>
Sheep How Many _____
Goats How Many _____
Hogs How Many _____
Pens of Rabbits How Many _____
Pens of Poultry How Many _____

<b>Animals Not in Sale</b>
Beef How Many _____
Sheep How Many _____
Hogs How Many _____



For office use  
Exhibitors No. \_\_\_\_\_

Allegany County Fair Junior Department Entry  
For Livestock **Breeding Animals and Animals Not in Sale**

T-Shirt Size- Specify Adult or Youth \_\_\_\_\_ S \_\_\_\_\_ M \_\_\_\_\_ L \_\_\_\_\_ XL \_\_\_\_\_ 2X \_\_\_\_\_ 3X

Instructions: On the back of the form list the classes and animals you wish to enter. Return to the 4-H office by June 1st 4:00 PM (entries received by the 4-H office after June 1st will receive participation ribbons and no cash premiums) be sure to indicate clearly the correct class number and name of class from the online fair book. Website <http://www.alleganycountyfair.org>. Under Premium Book. If you are unable to exhibit an animal that you entered, please notify the fair office of that change.

Exhibitor Full Name \_\_\_\_\_ Club/Ind: \_\_\_\_\_

Exhibitor Preferred Name \_\_\_\_\_

Parent/Guardian Name \_\_\_\_\_

Address: \_\_\_\_\_

(Street, P.O Box, RD & Apt) (Town) (State) (Zip)

Age as of 1/1 (current year) \_\_\_\_\_ Dob: \_\_\_\_\_ Phone: \_\_\_\_\_

Check One: \_\_\_\_\_ Senior (14& Up) \_\_\_\_\_ Junior (8-13) \_\_\_\_\_ Novice (1<sup>st</sup> Year)

Exhibitor Signature: \_\_\_\_\_

Patent/Guardian Signature \_\_\_\_\_  
(or initials when electronically signing)

Parent or Guardian- Your signature represents a request on the part of your child to exhibit at the Allegany County Fair's Junior Department and they you approve of the entry. I agree and understand that by initialing the Electronic Signature Acknowledgment and Consent Form, that all electronic signatures are the legal equivalent of my manual/handwritten signature and I consent to be legally bound to this agreement.

All entries are accepted with the understanding that the Allegany Agriculture Society and Cornell Extension will not be held responsible for any loss, damage or injury to any animals exhibited or any article of any kind. All animals shall be under the control and direction for the animal committee but solely at the risk of the exhibitor who will be responsible for any loss or damage of injury to any person, animal or property occasioned by him, his agents or employees or by any animal owned or exhibited by him, and shall indemnify against any and all damages and liability thus occasioned, including attorney's fees, which may have occurred as a result there of. The submitting of this entry form to the Fair Office shall constitute and acceptance by each person signing same provision here is set forth.

(Cloverbuds do not bring their own animals except for dog. They show another member's animal already entered in the fair. They do fill out a Cloverbud entry form and submit it to the 4-H Office. Animals Cloverbuds can show are Dairy Calf, Beef Calf, Dog, Poultry, Rabbit, Cavy, Goat, Horse, Sheep and Swine.

