

Cornell University
Cooperative Extension
Allegany County

4-H Office

5435A County Road 48
Belmont, NY 14813
t. 585-268-7644 ext. 16
f. 585-268-5939

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

January 2019

Dear 4-H'er:

Your Project Record Books have been revised for 2019 and there are a few changes we wanted you to be aware of:

- We have included your pre-fair Registration form, Fair registration form and the Fair Rules and Regulations for each animal you will be showing with your record book.
- Due Dates for each form are stated on the top in **Red**.
- Project Record Books and all the Fair Forms will be available on the 4-H webpage (<http://allegany.cce.cornell.edu/4-h-youth-development>) as well as in the 4-H office.
- Project Record Books are designed so that you work on them throughout the duration of your project, and not at the very end. Please plan your time wisely in order to get the most from this fun and rewarding opportunity!
- Additional Fair Forms will be available from our web site, if you need more you can print them from our website or contact the office and we can mail them to you.

Market animals that received a rabies vaccination need to have those done 21 days before the start of fair (June 23rd).

Your Project Records for Market and Breeding Animal's will be due the Friday September 20 same time as Portfolios are due into the 4-H office.

If you have any questions or concerns, please contact me at the office at 585-268-7644 ext.16 or by email at pjh34@cornell.edu

I look forward to seeing you at fair this year!

Sincerely,

A handwritten signature in cursive script that reads 'Tricia Heary'.

Tricia Heary
4-H Program Coordinator

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.

Allegany County Cooperative Extension

4-H Novice Market Beef Project Book



**INSERT A PHOTO OF YOUR MARKET
ANIMAL HERE**

Name: _____

Age (as of January 1st) _____

Years Enrolled in 4-H _____

Date Project Started _____

Date Project Closed _____

Why Records are Important

The objective of a steer project is to give youth an opportunity to develop skills that will advance them in the future. This hands-on opportunity will help youth develop skills like leadership, organization critical thinking, goal setting, time management and communication. The task of keeping records can also help prevent a youth from falling short of their goals and maximize their opportunity to grow, learn and develop as an individual.

What You Need to Get Started

- an interest in raising a steer
- a place to keep and raise a steer
- money to purchase and raise a steer
- equipment to handle, feed and water a steer safely
- support from an adult

Knowledge About Steers

- different breeds and their characteristics
- cattle terminology
- body parts of a steer
- what steers eat to grow efficiently
- common steer behavior

Instructions

1. Use this project record for Market and Non-Market Steer Projects.
2. Keep a separate record for each individual animal.
3. Fill out a new project record book every year for Market and Non-Market Steers.
4. Write the things you do with and without your animal that relates to your steer 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 after the market sale by the date given by extension to receive your check. Non-market animals should be turned in by this date as well using true market estimations or actual sale price of animal.

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 and market?

Here is Some Terminology to Help You Get Started

Auction- Process where cattle are sold to the highest bidder

Average daily gain- Pounds gained from a starting point to an end point divided by the number of days (ADG)

Birth Weight- Weight of the calf measured within 24 hours of its birth (BW or B. Wt.)

Bloom- Desirable condition of skin and hair

Bull- a male bovine that has not been castrated

Colostrum- First milk given by a female following delivery of her calf; It is high in antibodies that protect the calf from invading microorganisms

Cow- A female bovine that has had at least one calf

Heifer- A young bovine female that has not produced a calf

Hooks- Hip bones

Legume- Any plant type within the family Leguminosae, such as pea, bean, alfalfa and clover

Pin bones- the visible portion of the pelvis; protrudes on each side of the rectum

Steer- A castrated male bovine

Stage- a male bovine that was castrated unsuccessfully

Project Animal's Information

Animal's Name _____

Identification Number and/or Tattoo _____

County Identification Number _____

Breed(s) _____

Gender _____ Date of Birth _____

Date of Purchase _____ Total Purchase Amount \$ _____

Purchase Weight _____ lbs Purchase Hip Height (inches) _____

Days from Purchase until fair weigh in _____

Estimated Finish Weight _____

Estimated Amount of pounds needed to gain to finish _____

Estimated pounds gained per day until fair weigh in _____

You Have a Project Steer

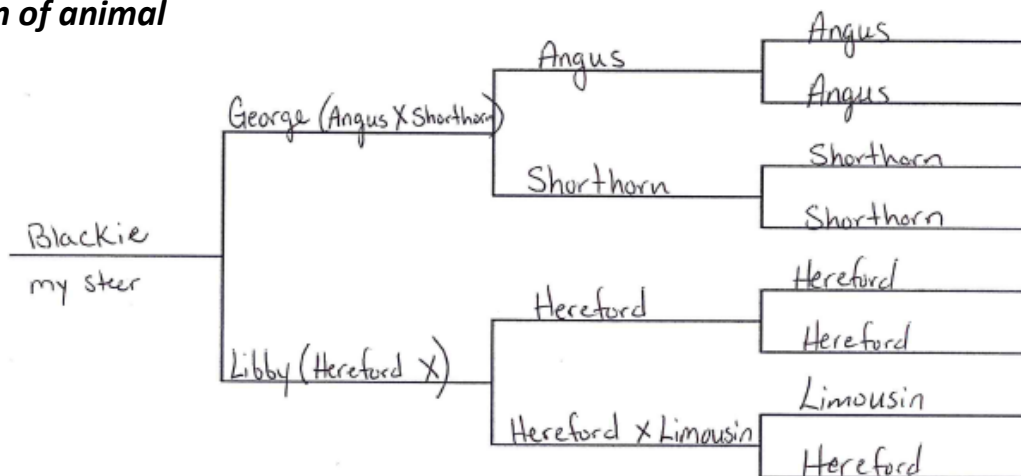
In the first part of your record book read the instructions to ensure you follow them correctly so not to be penalized later for missing something. Also review the fair rules (attached) to ensure your animal gets the proper vaccinations and meets all other requirements such as age and weight for fair.

In this section you will need to document all the information about your steer project at the time of purchase and/or the date you take possession of the steer. If your animal is registered with a specific breed association, copy the names directly into the given pedigree. If your steer is a crossbred fill in what you know even if it is just the breed. An example of each has been provided below.

Registered Animal

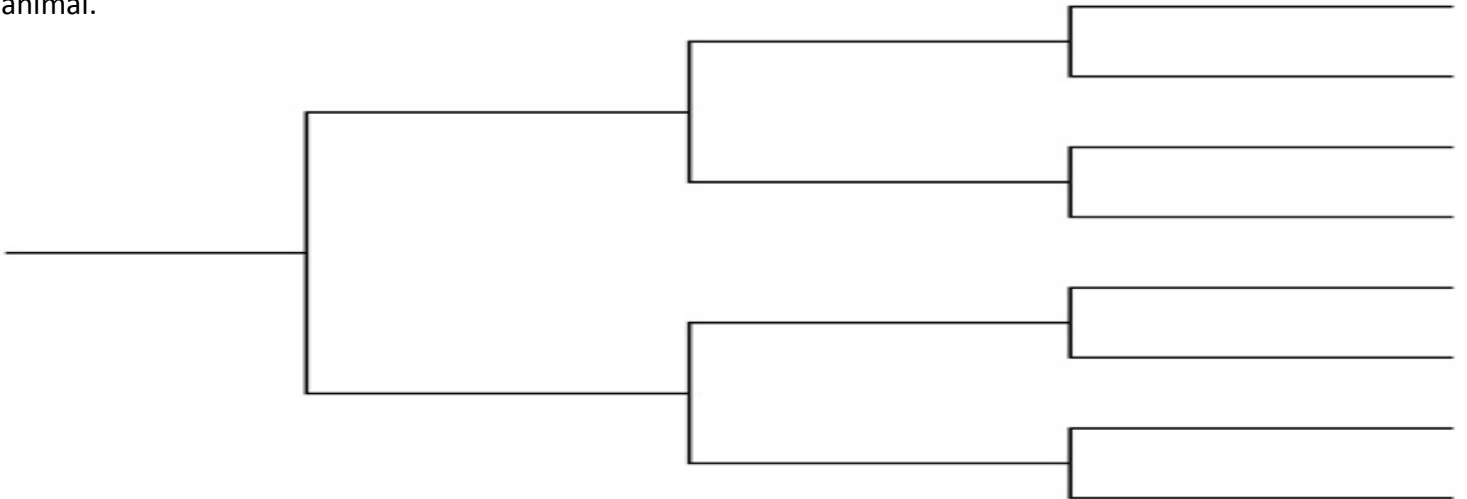


Estimation of animal



Your Project's Pedigree

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



Purchase Information

Because every breeder is different you may need to obtain some of the information yourself. Most breeders should be able to give you the animals tag or tattoo identification and location (left ear, right ear, both ears etc.), what breed(s) makes up your chosen animal, gender, birth date, and current weight. The county will be around to tag your animal with a county tag for identification.

Your steer's hip height should be measured in inches, then determine your steer's age in months. Use the charts below get an estimated finish weight. Count the number of days until fair weigh in. Next subtract the estimated finish weight of your steer and his current weight to get the total number of pounds he needs to gain by fair weigh in to be considered a finished steer. Finally, divide the total number of pounds the animal needs to gain by the number of days until fair weigh in to get your estimated average daily gain (ADG). As you move up in age you will work with these numbers more and more to help determine profitability of your steer before you purchase him.

Age (Months)	Frame Score								
	1	2	3	4	5	6	7	8	9
5	33.5	35.5	37.5	39.5	41.6	43.6	45.6	47.7	49.7
6	34.8	36.8	38.8	40.8	42.9	44.9	46.9	48.9	51
7	36	38	40	42.1	44.1	46.1	48.1	50.1	52.2
8	37.2	39.2	41.2	43.2	45.2	47.2	49.3	51.3	53.3
9	38.2	40.2	42.3	44.3	46.3	48.3	50.3	52.3	54.3
10	39.2	41.2	43.3	45.3	47.3	49.3	51.3	53.3	55.3
11	40.2	42.2	44.2	46.2	48.2	50.2	52.2	54.2	56.2
12	41	43	45	47	49	51	53	55	57
13	41.8	43.8	45.8	47.8	49.8	51.8	53.8	55.8	57.7
14	42.5	44.5	46.5	48.5	50.4	52.4	54.4	56.4	58.4
15	43.1	45.1	47.1	49.1	51.1	53	55	57	59
16	43.6	45.6	47.6	49.6	51.6	53.6	55.6	57.5	59.5
17	44.1	46.1	48.1	50.1	52	54	56	58	60
18	44.5	46.5	48.5	50.5	52.4	54.4	58.4	58.4	60.3
	Hip Height (inches)								
Frame Score	2	3	4	5	6	7	8	9	
Est. Finish Weight (lbs)	850	950	1050	1150	1250	1350	1450	1550	

What You Do and Financial Summary

Throughout the project year you will be doing various things to take care of your steer project. In this next chart is where you will be documenting this information. As you move up in the steer program this will become more and more detailed. For this year document everything you feel is relevant to your steer project. Even if you pay a fee to attend a clinic without your steer it should be documented. If you participate in skill-a-thon and win prize money or a supply item it should also be documented here.

At the end of the year you will be adding these various items up into four different categories of cost (feed/hay, healthcare, general supplies, and other cost). Other income will also be totaled up to help determine if you made a profit or loss on your steer project. As you advance in age more detailed management will go into your steer project to help you learn how to better manage your steer's profitability.

Marketing a Steer Project

While this aspect is not written directly into the project record it does directly affect your bottom line profit. From the time of purchase of an animal it is important to start thinking of where you are going to sell it. Many different approaches and techniques can be used to help market your steer project. In some cases the breeder in which you purchased your steer project from may be able to recommend some target buyers. It is important that you market your animal with your desired profit in mind. For example if your goal is to obtain four hundred dollars to set aside for college and you know it will cost you approximately two thousand dollars to raise your steer you need to sell your steer for a minimum of two thousand, four hundred dollars. Because steers are not only costly to raise they are costly for your buyer(s) to buy. This is why it is important to market your steer to potential buyers early so they can prepare themselves for the purchase of your steer on sale night. As you advance through the steer project you will be given more tools and ways to help calculate profitability however none of this will matter if you don't market your steer just as diligently as the effort put forth into raising him.

Project Summary

Use this section to determine how well you grew your project. Use the information you recorded in the previous charts to answer the questions and summarize your profitability.

Purchase Cost \$ _____ Purchase Weight _____ lbs

Total cost of feed/hay \$ _____ Total cost of general supplies \$ _____

Total cost of health care \$ _____ Other total cost \$ _____

Target-finish weight _____ lbs Final weight _____ lbs

Final sale price \$ _____ Total of other income \$ _____

Final Sale Price and other income \$ _____

Total of all cost including purchase price \$ _____

Loss or Profit earned (+/-) \$ _____

Final weight _____ - Purchase weight _____ = _____

Days grown (number of days from start of project until final weigh in date) _____

Pounds gained per day (pounds gained divided by days grown) _____

Final weight _____ - Target weight _____ = _____

How did you do and what can you do differently next year to increase profitability of your project?

Summing up The Year's Experience

Answer this page of questions before turning in your project record. Answering these questions will help the program educators better understand where they can help improve the program for future years. It will also help you make realizations about your experience of raising a steer.

What You Experienced

Where did you keep your animal? _____

Explain how you took 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? _____

How did you market 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 Steers 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 1st of the current show year.

1. 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 of dairy breeding or cross of a dairy breeding to be eligible.
2. Project steers must be born on or after January 1st of the previous year. All steers must be properly dehorned or polled.
3. 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 31st. All Non-Market steers (not in sale) can be entered as late as May 1st. Appropriate entry forms will be provided through the Clover Connections publication, online, in the project record books and at our website. All steers will be inspected and ear tagged by Livestock Committee Members. Please have steers confined for tagging.
4. Project members will be required to have a NY State 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 chair person may disqualify the animal. A new tag is to be installed immediately.
5. **Steers to be in place at the fairgrounds by 1pm** the day before the fair opens unless prior arrangements are made with the beef superintendant. Health papers must accompany the animal.
6. Each exhibitor must participate in the appropriate showmanship class with their own project animal.
7. All animals must be exhibited unless excused by 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 age 9-18, prior to January 1 of the year of the fair, who has shown a cattle project before or is otherwise approved by the Livestock Committee.
8. When showing or working around beef or dairy steers at the fairground, leather shoes or boots, preferably not light weight rubber boots, should be worn for safety. **No sneakers or sandals will be permitted.**
9. Completed record books must be presented and turned in at the project interviews.
10. Health papers are due at time of arrival. All project animals will be officially weighed-in by the Livestock Committee starting apporximently 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 weighed. Each superintendent will be around to give a "last call" for feed and water for your species.

11. 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.
12. 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 feeders or Non-Market steer and placed in the appropriate weight class for show divisions.
13. 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 from 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.
14. 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 whom 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.
15. 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 accordingly. Steers that are to be non-market and not sold in the market sale are either designated at the time of enrollment by January 31st or are animals that did not meet weight or other requirements.
16. 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.
17. **Non-market steers need transportation after the fair is the responsibility of the exhibitor.** The livestock committee can assist with transportation for an additional trucking fee. If the animal is to be shipped to a slaughter facility the proper slaughter paper work must accompany the trucking fee or the animal will not be loaded and shipped.
18. Each exhibitor must care for his/her own animal, show them and help maintain cleanliness in the barn and show area.
19. 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.
20. 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 withdrawl times this can range from 14 days to 45 days depending on the vaccine.** It is the responsibility of the exhibitor to ensure withdrawl 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.

- 21. 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.
- 22. Species superintendent (and/or committee members) has the privilege to inspect animals during the course of the project.
- 23. The forgoing rules and policies are intended to supplement those in the Allegany County Fair Premium Book.
- 24. 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*****

MARKET ANIMAL SALE RULES

- * All market animals must be sold at the fair sale, with the exception of animals labeled as Non-Market
 - * Animals will be sold to the highest bidder
 - * 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 rules are included on the market entry form and must be signed by legal guardian and exhibitor.

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, polices, and regulations set forth by the Livestock Committee.

----- Exhibitor Name (print)	----- Date
----- Exhibitor Signature	
----- Legal Guardian Name (print)	----- Date
----- Legal Guardian Signature	----- Date

THIS IS NOT A FAIR ENTRY FORM

Note: This completed form must be received in the 4-H office by the entry deadline of **January 31st**

Allegany County 4-H Project Registration for:

Market Steer

Please note; fill all of this form out in either BLUE or BLACK ink or type.

Additional copies are available at <http://allegany.cce.cornell.edu>

Member's Name _____ Age _____
(As of 01/01/ **current yr.**)

Address: _____

Phone: _____ Club Name: _____ Years in 4-H _____

Number of Beef Project Completed: _____

	Animal #1	Animal # 2
Breed	1) _____	2) _____
Ear Tag#	1) _____	2) _____
Date of Purchase	1) _____	2) _____
Birth Date	1) _____	2) _____
Name of Breeder	1) _____	2) _____
Purchased From	1) _____	2) _____
Purchase Weight	1) _____	2) _____
Purchase Price	1) _____	2) _____
Size	1) _____	2) _____

(nose to tail/foot to shoulder)

Parent/ Guardian Signature:

Market Livestock Entry Form

Allegany County Fair

Complete entire form, including signature at end of page. Please print or type carefully! Enter any class you think you may enter by circling number and in some cases writing correct number in space provided. **Please return to the 4-H office by June 1st**

(Entries received by the 4-H office after June 1th will receive participation ribbons, but no cash premiums)
Advanced entries are required, so make the proper entry for any animal you think you will exhibit. The entry should be cancelled at the time of fair if you cannot exhibit a particular animal.

Exhibitor's Name: _____ **Club/Ind:** _____

Address: _____
(Street PO Box, RD & Apt) (Town) (State) (Zip Code)

Circle one: Senior (14 & up) Junior (8-13) Novice (1st Year)

Exhibitor Signature: _____ **Date** _____

Parent/Guardian's Signature: _____

All entries are accepted with the understanding that the Allegany Agricultural 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, animals 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 attorneys fees, which may have occurred as a result thereof. The submitting of this entry form to the Fair Office shall constitute an acceptance by each person signing same provision here in set forth. **CLOVERBUDS DO NOT BRING THEIR OWN ANIMALS, THEY MUST SHOW ANOTHER MEMBER'S ANIMAL ALREADY ENTERED IN THE FAIR.** All entries and participants are subject to the rules and regulations of the Allegany County Agricultural Society.

Fundraisers Participated in 1. _____ **2.** _____

Age as of 1/1/(current year) _____ **B-Day:** _____ **T-Shirt Size:** SM / MD / LG / XLG
specify (**ADULT**)

Circle all that you are entering
Livestock Fitting and Showmanship
(Mandatory)

Beef	Sheep	Swine	Sheep Halter	Goat
B911	C912	D913	C914	SG955

Market Classes, Please Circle all that you are entering

SD951 Market Hog	SC952 Market Lamb	SB953 Market Beef	SB954 Market Dairy Steers
SG955 Market Goat	SR956 Market Rabbit	SP957 Market Poultry	

For market animals not in sale please refer to the fair book for class codes. Write them in on the back of the entry sheet

<i>Class Number</i>	<i>Class Name</i>	<i>Registration Name / Number</i>	<i>Birth Date</i>	<i>Tattoo and/or Tag Number</i>
SR956	MARKET RABBIT		05/08/2011	MS123

Do you have animals entered in any OPEN CLASS ____ YES ____ NO if so; use the Open Class entry forms for those animals

Are you showing in other departments at the Fair ____ Yes ____ No

if you are keeping your stock with an adult exhibitor, give his or her name _____

Approx Weight _____ Can your animals be housed together or separate? _____

Exhibitor Name/4-H Age as of 1/1/ current year _____