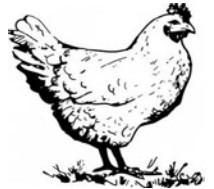
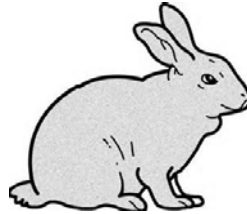
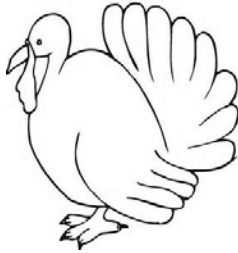




EXHIBITOR #

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2020 - 2021  
**EMMET-CHARLEVOIX COUNTY**  
**4-H MARKET LIVESTOCK ASSOCIATION**



# ADVANCED RECORDS

NAME \_\_\_\_\_

CLASS:    **ADVANCED (15-19 YRS)**    4-H Age: \_\_\_\_\_

SPECIES:    **CHICKENS [ ]    TURKEYS [ ]    GEESE [ ]    RABBITS [ ]    DUCKS [ ]**

City \_\_\_\_\_

Club Name \_\_\_\_\_

Club Leader \_\_\_\_\_

County \_\_\_\_\_



Page 1  
 Market Livestock Record Book – Advanced

**Book updated:  
 January 1, 2020**

**Records are due from 12:00 NOON to 6 p.m. on the first Sunday of the Fair. Books are to be turned in at the Community Center check-in station after they have been signed by your leader.**

**PLEASE TYPE, PRINT, OR WRITE CLEARLY.**

**WHY KEEP RECORDS?**

**By keeping records you will be able to see how much progress you make as you set goals and work to accomplish them.**

**Good records will:**

- **help you learn about animals, their rate of growth, the feed they require, and their habits,**
- **help you understand your project’s financial outcome,**
- **improve your management practices,**
- **give you a record of your project activities,**
- **help you plan future projects.**

**This record for advanced animal project members is a required part of your project and entry into the Emmet-Charlevoix County 4-H Market Livestock Show and Sale. You need to submit one copy of a record book for each of the market livestock projects you participate in. The record book needs to be completed by the exhibitor.**

**If you have questions or need help on this record book, please contact your leader, parent/guardian, or county MSU Extension Office.**

**This record book has been completed to the best of my ability.**

\_\_\_\_\_  
**Exhibitor’s Signature**

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

\_\_\_\_\_  
**Leader’s Signature**

**Comments by Leader / Parent (optional):** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# WEIGHT RECORD

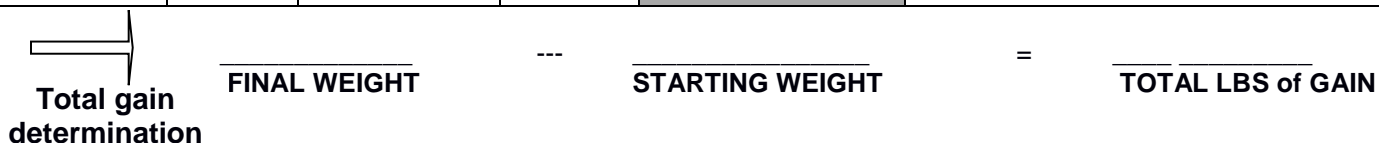
	Date	Weight	Date	Weight	Date	Weight	Date	Weight
<b>April</b>								
<b>May</b>								
<b>June</b>								
<b>July</b>								
<b>August</b>								

**Final Weight**  
you'll need to transfer this number  
to pages 4, 7 & 8)

**Total pounds of gain**  
(You'll need to transfer this number  
to pages 4 & 8)

**WEIGHT RECORD** - A bimonthly weight record is useful when comparing weight gained by the animal to the amount of feed fed that animal in the same month.

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>		
	Date	Weight	Weight Gain (subtract current from previous weight)	Days On Feed	Average Daily Gain (weight gain divided by days on feed)	Remarks ( include how weight was determined, by tape or scale)
1			←	STARTING WEIGHT		
2						
3						
4						
5						
6						
7						
8						
9						
10						
	<b>FINAL WEIGHT** (A12)</b>	←	<b>DAYS ON FEED</b> (add column C)	←		



MONTHLY FEED RECORD WORKSHEET										
Feed Types⇒										
	lbs.	cost	lbs.	cost	lbs.	cost	lbs.	cost	Monthly lbs.	Total Cost
APRIL										
MAY										
JUNE										
JULY										
AUG										
TOTALS										\$
									TOTAL FEED add column	TOTAL FEED COST add column

**NOTE: RECORD FEED AS IT IS FED TO YOUR ANIMAL.**  
 Type of feed should include: grains, supplements, mixes, hay, silage, etc. The value of homegrown feed needs to be included.

# EXPENSES OTHER THAN FEED WORKSHEET

											MONTHLY TOTAL
APR											\$
MAY											\$
JUNE											\$
JULY											\$
AUG											\$
<b>TOTALS</b>											<b>TOTAL</b> \$

**PROJECT ANIMAL:**

Leg Band No's or Tattoo No's	Sex	Breed	Date Acquired	Value of Animal/ Purchase Price

**FINANCIAL SUMMARY**

Fill in the following to determine the net income from your project (that is, money you have earned for your time, management and financial investment).

**INCOME AND VALUE AT CLOSE OF RECORD**

$$\frac{\text{_____}}{\text{Market Price*}} \times \frac{\text{_____}}{\text{Final Weight}} = \$ \frac{\text{_____}}{\text{Expected Income}}$$

Other income (if any, specify) \_\_\_\_\_ \$ \_\_\_\_\_

<p><b>Total Expected Income</b> (add expected income and other income)</p>	$\longrightarrow$	\$ _____
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\*Market Price - is the price you would receive under normal sale conditions (such as an auction sale yard). These prices are published in agricultural newspapers, magazines, or TV and radio farm reports, and the Internet.

**EXPENSES AND VALUE AT START OF RECORD:**

$$\frac{\text{_____}}{\text{Value of animal (from above)}} + \frac{\text{_____}}{\text{Feed Cost (page 5)}} + \frac{\text{_____}}{\text{Other Expenses (page 6)}} = \$ \frac{\text{_____}}{\text{Total Expenses}}$$

<p><b>Total Expenses</b></p>	$\longrightarrow$	\$ _____
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**NET PROFIT (OR LOSS) - Total expected income minus total expenses**

A net loss does not necessarily mean you did a poor job with your project.

$$\frac{\text{_____}}{\text{Total Expected Income}} - \frac{\text{_____}}{\text{Total Expenses}} = \$ \frac{\text{_____}}{\text{Net Profit / or loss}}$$

# PROJECT EFFICIENCY INFORMATION

Start Weight (A1 pg 4) \_\_\_\_\_ Days on Feed (Total of Column C pg 4) \_\_\_\_\_

Final Weight (A12 pg 4) \_\_\_\_\_ Total lbs of Gain (pg 4) \_\_\_\_\_

Total lbs Feed (pg 5) \_\_\_\_\_ Total Feed Cost (pg 5) \_\_\_\_\_

Total Expenses (pg 7) \_\_\_\_\_

## AVERAGE DAILY GAIN

\_\_\_\_\_ ÷ \_\_\_\_\_ = \_\_\_\_\_  
Total lbs of Gain Days on Feed Average Daily Gain

## FEED COST PER POUND OF GAIN

\$ \_\_\_\_\_ ÷ \_\_\_\_\_ = \$ \_\_\_\_\_  
Total Feed Cost Total lbs. of Gain Feed Cost per lb. of Gain

## POUNDS OF FEED PER POUNDS OF GAIN

\_\_\_\_\_ ÷ \_\_\_\_\_ = \_\_\_\_\_  
Total lbs. of feed fed Total lbs. of gain Lbs. of feed fed per lb. of gain

## FORMULA TO CALCULATE YOUR BREAKEVEN PRICE

\_\_\_\_\_ ÷ \_\_\_\_\_ = \$ \_\_\_\_\_  
Total Expenses Final Weight of Animal Breakeven Price (Needed to Cover Expenses)



# PROJECT PICTURES

Taking a picture of your project animal at the beginning and at the end of your project will indicate how your animal has grown and developed. Use this page to display your beginning and end of project pictures. Add additional photos!

DATE OF BEGINNING PHOTO \_\_\_\_\_

DATE OF ENDING PHOTO \_\_\_\_\_

**PROJECT NARRATIVE: In the narrative, please respond to the following (additional pages can be added). Each question is worth 10 points for a possible score of 60.**

**1. What percentage of the gross sale price of your animal is deducted by the Market Livestock Committee? List at least three (3) ways this money is used. Based on the final weight of your animal listed on page 3, calculate what this amount would be if your animal sold for \$1.00 per pound. Show your work.**

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**2. What personnel characteristic did you gain as an exhibitor during this project?**

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**3. Explain what process went into marketing your project.**

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4. What is the “feed efficiency value” and how do you calculate this? Is a high or low value more desirable?

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5. What are the benefits of minerals for your animal? List at least two (2) macro minerals and four (4) trace mineral.

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6. What qualities in a market livestock animal will demonstrate value to a potential buyer?

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7. What did you learn in the project this year?

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