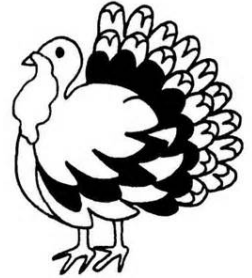
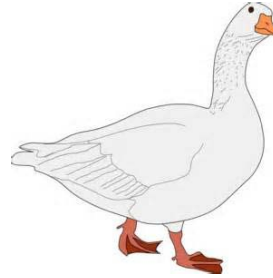
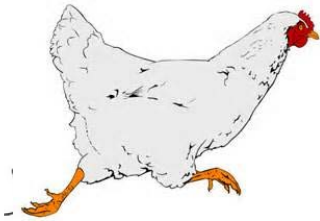




Exhibitor # _____

**2021-2022
EMMET – CHARLEVOIX COUNTY
4-H MARKET LIVESTOCK
ASSOCIATION**



INTERMEDIATE RECORDS

NAME _____

CLASS: INTERMEDIATE (12-14 yrs.) 4-H AGE _____

SPECIES: CHICKENS ☐ TURKEYS ☐ GEESE ☐ RABBITS ☐ DUCKS ☐

City _____

Club Name _____

Club Leader _____

County _____

MICHIGAN STATE
UNIVERSITY

Extension

Page 1

Market Livestock Record Book Intermediate

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 intermediate animal projects is a required part of your project and entry into the Emmet-Charlevoix County 4-H Market Livestock shows and sale. You need to submit one 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
April								
May								
June								
July								
August								

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.

	A	B	C	D		
	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			(A2 - A1)		(B2 ÷ C2)	
3			(A3 - A2)		(B3 ÷ C3)	
4			(A4 - A3)		(B4 ÷ C4)	
5			(A5 - A4)		(B5 ÷ C5)	
6			(A6 - A5)		(B6 ÷ C6)	
7			(A7 - A6)		(B7 ÷ C7)	
8			(A8 - A7)		(B8 ÷ C8)	
9			(A9 - A8)		(B9 ÷ C9)	
10			(A10 - A9)		(B10 ÷ C10)	
	FINAL WEIGHT** (A12)		DAYS ON FEED (add column C)			


Total gain determination

$$\text{FINAL WEIGHT} - \text{STARTING WEIGHT} = \text{TOTAL LBS of GAIN}$$

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											\$
TOTALS											TOTAL \$

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:

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

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

Total Expected Income
(add expected income and
other income)

_____ \$ _____

*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:

$$\frac{\text{Value of animal}}{\text{Value of animal}} + \frac{\text{Feed Cost}}{\text{Feed Cost}} + \frac{\text{Other Expenses}}{\text{Other Expenses}} = \$ \frac{\text{Total Expenses}}{\text{Total Expenses}}$$

Total Expenses

_____ \$ _____

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.

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

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 Feed (pg 5) _____ Total Feed Cost (pg 5) _____

Total Expenses (pg 7) _____

Average Daily Gain

$$\frac{\text{Total lbs of Gain}}{\text{\# Days on Feed}} = \text{Average Daily Gain}$$

Feed Cost per Pound of Gain

$$\frac{\$ \text{Total Feed Cost}}{\text{Total lbs. of Gain}} = \$ \text{Feed Cost per lb. of Gain}$$

FORMULA TO CALCULATE YOUR BREAK EVEN PRICE

$$\frac{\text{Total Expenses}}{\text{Final Weight of Animal}} = \$ \text{Breakeven Price - Needed to Cover Expenses}$$

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 50.

1. Describe the positive and negative effects of having corn or feed containing corn in your rations.

2. Besides the Market Livestock sale, what would be some other marketing alternatives for your animal? Which would be the best alternative and why?

3. Analyze your daily gain records. Analyze your feed records. What conclusions can you arrive at by comparing the two records? List and explain what factors have influenced your average daily gain.

4. An animal's conformation does not meet what the judges want. Describe two ethical practices that could be used to affect the animal's conformation.

5. What methods and practices did you or can you use to influence your animal's daily gain?

6. What did you learn in the project this year? _____
