****

Exhibitor #

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2015 – 2016**

**EMMET – CHARLEVOIX COUNTY**

**4-H MARKET LIVESTOCK ASSOCIATION**

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**INTERMEDIATE RECORDS**

**NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**CLASS: INTERMEDIATE (12-14 yrs) 4-H AGE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

**City \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

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

 **County \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**



**Book updated:**

**January 1, 2016**

**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):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**Page 2**

**Market Livestock Record Book – Intermediate**

**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**

**Page 3**

**Market Livestock Record Book – Intermediate**

**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) |  |  |  |

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ --- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **FINAL WEIGHT STARTING WEIGHT TOTAL LBS of GAIN**

**Total gain determination**

**Page 4**

**Market Livestock Record Book – Intermediate**

|  |  |  |
| --- | --- | --- |
|  | **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.

**Page 5**

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**EXPENSES OTHER THAN FEED WORKSHEET**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  | **MONTHLY****TOTAL** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **APR** |  |  |  |  |  |  |  |  |  |  | **$** |
| **MAY** |  |  |  |  |  |  |  |  |  |  | **$** |
| **JUNE** |  |  |  |  |  |  |  |  |  |  | **$** |
| **JULY** |  |  |  |  |  |  |  |  |  |  | **$** |
| **AUG** |  |  |  |  |  |  |  |  |  |  | **$** |
| **TOTALS** |  |  |  |  |  |  |  |  |  |  | **TOTAL** **$** |

**Page 6**

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**PROJECT ANIMAL:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Leg band No's or Tattoo No's | Sex | Breed | DateAcquired | 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:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ X \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = $\_\_\_\_\_\_\_\_\_\_\_\_

 Market Price\* Final Weight 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:**

\_\_\_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = $\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Value of animal Feed Cost Other Expenses Total Expenses

 (from above) (page 5) (page 6)

**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.

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_ = $\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Total Expected Total Expenses Net Profit / or loss**

 **Income**

**Page 7**

**Market Livestock Record Book – Intermediate**

**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**

 **\_\_\_\_\_\_\_\_\_\_ ÷ \_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_**

 **Total lbs of # Days on Average Daily**

 **Gain Feed Gain**

**Feed Cost per Pound of Gain**

 **$\_\_\_\_\_\_\_\_\_ ÷ \_\_\_\_\_\_\_\_\_\_\_ = $\_\_\_\_\_\_\_\_\_**

 **Total Feed Total lbs. Feed Cost per**

 **Cost of Gain lb. of Gain**

**FORMULA TO CALCULATE YOUR BREAKEVEN PRICE**

 **\_\_\_\_\_\_\_\_\_\_ ÷ \_\_\_\_\_\_\_\_\_\_\_ = $\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **Total Final Weight Breakeven Price -**

 **Expenses of Animal Needed to Cover Expenses**

**Page 8**

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**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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Page 9**

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**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.**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

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**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.**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**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.**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

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**6. What did you learn in the project this year? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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