# NEBRASKA 4-H Livestock Achievement

## Project Report

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ County \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4-H Age \_\_\_\_\_\_\_\_\_\_

\* Be sure to complete a project report by August 1st and submit along with your Plan and Report form to: [4hlivestockachievement@unl.edu](mailto:4hlivestockachievement@unl.edu) Mandatory for all.

### **Project Performance Summary**

Your animal project’s success is directly related to its growth performance or project performance. Below, fill out the chart with the information that is applicable to your species. Even if your animal is strictly used for exhibition purposes and the intent is not to produce a product for human use, feeding performance, weight gain and feed efficiency is still useful in determining the performance of that animal.

In the space below, please record the start and end date of the project, start and end weight ( if applicable for your project) as well as days on feed, and use this information to calculate Average Daily Feed Intake, and Average Daily Gain.

Discuss other production parameters as they pertain to your project. Examples might include milk yield, egg production, wool production, offspring produced, etc. If needed, your Production Performance Report outlined and explained on a separate sheet of paper.

**Animal Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Species:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Start Date:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Start Weight (if applicable):** \_\_\_\_\_\_\_\_\_\_\_

**End Date:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**End Weight (if applicable):** \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Days on Feed:** \_\_\_\_\_\_\_\_\_\_\_

**Examples of Performance Indicators and Calculations:**

\***Average Daily Feed Intake, lbs/day:** \_\_\_\_\_\_\_\_\_\_\_

\*\***Average Daily Gain, lbs/day:** \_\_\_\_\_\_\_\_\_\_\_

\*\*\* **Egg Production, eggs/day/week/month**: \_\_\_\_\_\_\_\_\_

**Other performance indicator(s) related to your project:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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See next page for examples of calculations for performance indicators.

\*Average Daily Feed Intake is calculated by weighting a specific amount of feed at the start of the week and weighing back the remainder of the feed at the end of the week. This same calculation can be used for all animals.

**Ex. Laying Hen**

**Starting feed weight: 5 lbs Ending feed weight: 1.5 lbs**

**5lbs – 1.5lbs = 3.5 lbs of total weekly feed consumed**

**3.5lbs / 7 days = 0.5 lbs ADFI**

\*\* Average Daily Gain is calculated by taking the End Weight and subtracting it from the Start weight. Then divide by the number of days on feed.

**Example: A Market Steer**

**Start Weight: 750 lbs Start Date: January 1**

**End Weight: 1250 lbs End Date: July 31st**

**Days on Feed: 212 days**

**1250 lbs – 750lbs = 500 lbs**

**500 lbs / 212 Days = 2.36 lbs ADG**

**\*\*\* Egg production**

Total Egg production can be expressed weekly or monthly. Collect the number of eggs and divide that number by the number of days in the week or the month. Multiply this by 100 to get your weekly or monthly egg production percentage.

Ex. 25 eggs per month / 30 days = 0.83 X 100 = 83% Total Egg Production

**Other?**

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### **Project Profit/Loss Summary**

\*If needed, add additional pages.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **REVENUE** |  |
| Animal: |  |  |  |
| **Item** | **Number Sold** | **Price Per Item** | **Total** |
| **Ex. Eggs** | **2 Dozen** | **$3** | **$6** |
| **Ex. Beef Steer** | **1 Head** | **$125 per cwt (1400 lbs Live Weight)** | **$1,750** |
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|  |  |  |  |
| Other Revenue (4-H Premiums) |  |  |  |
|  |  |  |  |
| Add up all the money generated from your project. |  | **Total Revenue** | **$** |
|  |  | **EXPENSES** |  |
| **Item** |  |  | **Total** |
| Total Feed Expense |  |  |  |
| Veterinary Services |  |  |  |
| Animal Health Products (Fly Spray, Ointments, Antibiotics, etc) |  |  |  |
| Bedding |  |  |  |
| Equipment |  |  |  |
| Transportation |  |  |  |
| Other Expenses |  |  |  |
|  |  |  |  |
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|  |  |  |  |
| Add up all expenses related to your project. |  | **Total Expenses** | **$** |
| **Total Profit** |  |  |  |
| Subtract your Total Revenue from your Total Expenses |  | **Total Profit** | **$** |
|  |  |  |  |

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### **Feed Summary**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Roughages (grass hay, alfalfa, cornstalks, etc.)** | | | | |  |
| Month | Roughage Feed Ingredient | | Total lbs fed | Cost/lb | Cost/Head | Roughage  Total Monthly  Cost |
| January |  |  |  |  |  |  |
| February |  |  |  |  |  |  |
| March |  |  |  |  |  |  |
| April |  |  |  |  |  |  |
| May |  |  |  |  |  |  |
| June |  |  |  |  |  |  |
| July |  |  |  |  |  |  |
| August |  |  |  |  |  |  |
| September |  |  |  |  |  |  |
| October |  |  |  |  |  |  |
| November |  |  |  |  |  |  |
| December |  |  |  |  |  |  |
|  |  | | | | | |
| Total Roughage Feed Cost | |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **Energy (corn, oats, milo, DDG or Complete (bagged) Feed** | | | | |  |
| Month | Energy Feed Ingredient | | Total lbs fed | Cost/lb | Total Cost/Head | Energy or  Complete  Total  Monthly Cost |
| January |  |  |  |  |  |  |
| February |  |  |  |  |  |  |
| March |  |  |  |  |  |  |
| April |  |  |  |  |  |  |
| May |  |  |  |  |  |  |
| June |  |  |  |  |  |  |
| July |  |  |  |  |  |  |
| August |  |  |  |  |  |  |
| September |  |  |  |  |  |  |
| October |  |  |  |  |  |  |
| November |  |  |  |  |  |  |
| December |  |  |  |  |  |  |
|  |  | | | | | |
| **Total Energy or Bagged Feed Cost** | | |  |  |  |  |
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|  |  |  |  |  |  |  |
|  | **Supplements (Protein &/or Minerals)** | | | | |  |
| Month | Supplement Feed Ingredient | | Total lbs fed | Cost/lb | Cost/Head | Supplement  Total Monthly  Cost |
| January |  |  |  |  |  |  |
| February |  |  |  |  |  |  |
| March |  |  |  |  |  |  |
| April |  |  |  |  |  |  |
| May |  |  |  |  |  |  |
| June |  |  |  |  |  |  |
| July |  |  |  |  |  |  |
| August |  |  |  |  |  |  |
| September |  |  |  |  |  |  |
| October |  |  |  |  |  |  |
| November |  |  |  |  |  |  |
| December |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Total Supplement Cost** | |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **TOTAL YEARLY FEED COST** | | |  |  |  |  |
| **You will then use this total amount on your Profit/Loss summary.** | | | | | |  |  |

### **Health Summary**

\*If needed, add additional pages.

Use this sheet to outline all the health records for your animal. This can include all necessary and routine vaccinations, medical emergencies, and diagnosis and treatments by you or the Veterinarian.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Animal ID** | **Symptoms**  **Observed** | **Veterinarian**  **Called**  **(Yes/No)** | **Diagnosis** | **Medication**  **&**  **Dosage** | **Medication**  **Withdrawal**  **Period** | **Notes** |
| *Ex.*  *5-20-21* | *Dairy Goat*  *NE4638* | *Swollen Udder* | *Yes* | *Mastitis* | *Penicillin*  *1 dose of 5 cc,*  *SQ* | *30 Days* | *Milk can*  *be consumed again*  *on 6-20-21* |
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