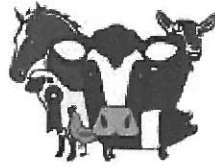


# **Crook County 4-H Program**



**Animal Science**

**And**

**Feed & Growth**

**Example guide**



**OSU Crook County Extension Service**



# 4-H Animal Science Record

## for Juniors

### Helpful Tips

#### **My Project Expenses—**

This is the place that you will put all of your expenses for your animal(s). Including enrollment fees, animal, and feed that you purchase throughout the year. And you will need to list your sales commission, buyer's breakfast and any other expense that is taken from your Livestock Auction check.

#### **My Project Income—**

List all income that you receive from your project.

**Ribbon Money:** Everyone that participates at fair will receive ribbons for the classes that they are in. The second week after fair is over, premium money is available at the Extension office for that ONE WEEK ONLY. As long as there is money available from the fair board these ribbon premiums will continue every year.

**Livestock Auction Check:** List the total of your check that you received.

#### **My Project Inventory—**

**Animals/birds column:** This would be where you list any breeding projects that you have from the previous 4-H year.

**Feed, equipment and supplies:** List any inventory that you have on hand at the beginning of the year. This would come off of your previous 4-H project record. Carry the ending value from the previous year to the beginning value of the current year. If this is your first year and you did not have any beginning inventory then you would wait until the end of the year. At the end of the year, carry down the items that were purchased thru the year that would be inventory (show stick, fitting chute, waterers, feed pans, etc.)

About depreciation—this is when you purchase something brand new and you leave the store with it, the value of that items decreases (depreciates). As a rule of thumb for Crook County 4-H, we have youth depreciate their inventory by 3% every year. So the ending value of an item that you purchased through the year would be 3% less than the purchase price. An example is—you bought a feed pan for \$10.00 in the middle of the 4-H year. This feed pan is now part of your inventory (item that can be used over the next years that you are involved in 4-H). Your beginning value for that item is the \$10.00 and the ending value would be \$9.70. It is now worth (per Crook County 4-H) the \$9.70. An easy way to figure out depreciation is by multiplying the beginning value by 0.97. This 0.97 is 97%. ( $\$10.00 \times 0.97 = \$9.70$ )

## **Feed & Growth Helpful Hints for Juniors**

Feed & Growth Record is for the market animal only. If you have a breeding project you will document the expenses on your Animal Science Record for that project.

Beginning Weight should be the weight that the animal is when you first start feeding it separately from the rest of the animals. You want to have an accurate weight so you can be accurate on your rate of gain and know exactly what the cost is to raise a quality market animal. Ending weight will be the weight recorded at fair weigh in.

Feed Record is for the feed that that animal actually ate the entire time that they were being raised for your market project. You will enter the type of feed across the top, the months that you fed down the left side. What you will be putting in is the total for the month for each kind of feed (hay, grain, pig starter, pig finisher, etc). You will need to add up the total pounds of each type of feed and how much it cost for the entire month. The easiest way to do this would be to figure out the price per pound then multiply that by the total pounds.

Financial Summary—fill in the cost of the animal which should be on your expense list. Cost of feed is from the Feed Record. Cost of other expenses will come from your expense list. Add up everything except for the feed and cost of animal. For the Sale Price, out the Total Gross Sales amount from your livestock auction check. (this will include any bumps that you received on your check)



# 4-H Animal Science Record

## For Junior Members

Name Sally Jones Girl  Boy  Grade \_\_\_\_\_ Year born \_\_\_\_\_  
(first) (last)

Club Name Livestock Club Leader \_\_\_\_\_ County \_\_\_\_\_ Year in 4-H \_\_\_\_\_

Kind of project Beef Year in project \_\_\_\_\_ Date project started \_\_\_\_\_ Date project closed \_\_\_\_\_  
(mo/day/year) (mo/day/year)

*A record is part of your 4-H project. Keep your record neat, clean, and up-to-date. If you need help, ask your parents or leader. If you need more space, attach another sheet of paper.*

### Things I Hope to Do and Learn This Year

I would like to learn about beef production and how to raise a quality market steer.

### Things I Did with My 4-H Club This Year

*Tell about your participation in club activities.*

Number of members \_\_\_\_\_ Number of meetings held \_\_\_\_\_ Number of meetings I attended \_\_\_\_\_

### Things I Hope to Do Next Year

## My Project Expenses

*What you spent for feed, supplies, animals, equipment, and veterinary.*

Date	Item(s)	Cost	Date	Item(s)	Cost
10/2013	4-H Enrollment Fee	30 <sup>00</sup>	6/2014	Neck tie	6 <sup>50</sup>
10/2013	1 Steer	600 <sup>00</sup>	6/2014	Fitting Comb	12 <sup>00</sup>
10/2013	3 ton grass hay	450 <sup>00</sup>	6/2014	Fitting Chute	150 <sup>00</sup>
11/2014	1 ton grain	400 <sup>00</sup>	9/2014	Brand Inspection	1 <sup>50</sup>
4/2014	Jackpot show	30 <sup>00</sup>	9/2014	4% Sales Commission	99 <sup>30</sup>
6/2014	Rope Halter	4 <sup>25</sup>	9/2014	Buyers Breakfast	5 <sup>00</sup>
<b>Total Expenses</b>					<b>1788<sup>45</sup></b>

## My Project Income

Date	Item(s)	Income	Date	Item(s)	Income
8/2014	Ribbon premium	13 <sup>00</sup>			
9/2014	Sale of Steer	2480 <sup>00</sup>			
<b>Total Income</b>					<b>2493<sup>00</sup></b>

## My Project Inventory

*First year members fill out this section at the end of the year.*

Animals/Birds <i>Include all your project animals or birds on hand</i>	Beginning Value	Ending Value	Feed, Equipment, and Supplies on Hand	Beginning Value	Ending Value
			Rope Halter		
			Neck tie		
			Fitting Comb		
			Fitting Chute		

## Record Review and Comments

\_\_\_\_\_ has completed their records and I have reviewed them with him/her.  
(Member)

Comments by leader: \_\_\_\_\_  
 \_\_\_\_\_

Signed \_\_\_\_\_ 4-H Leader

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## Income

List here income from sale of animals, products (pelts, manure, etc.), premium money, and services, including the market value of animals or products used at home. For market animals sold, members should separate market price and above market price under "Income from Sales of Animals."

Date	Number of Animals/Products Sold	Sale Weight	Income from Sale of Animals/Birds			Income from Sale of Products	Income from Services and Exhibiting	
			Market Price	Above Market Price	Total Selling Price			
8/14							13.00 ← Ribbon \$	
Auction check - 9/14	1	1240	1,922 <sup>00</sup>	558 <sup>00</sup>	2480.00			
			↳ The market price per pound is found in the Junior Livestock Auction Catalog.					
			Market price = price per pound x sales weight					
			Above market price = total selling minus market price					
<b>Subtotal Receipts</b>						2480. <sup>00</sup>	13 <sup>00</sup>	
<b>Total Receipts</b>							2493 <sup>00</sup>	

Item 8

## Financial Summary

**Income:**

Item 5: Value of animals/birds on hand at close of record year (pg. 1) \$ 0

Item 6: Value of equipment and supplies at close of record year (pg. 2) \$ 618<sup>87</sup>

Item 7: Value of feed at close of record year (pg. 3) \$ 141.70

Item 8: Total receipts (pg. 4) \$ 2493<sup>00</sup>

Total Income: \$ 3253<sup>57</sup>

**Expenses (value):**

Item 1: Value of animals at start of record year (pg. 1) \$ 600<sup>00</sup>

Item 2: Value of equipment and supplies at start of record year (pg. 2) \$ 314<sup>75</sup>

Item 3: Other costs (pg. 2) \$ 488<sup>45</sup>

Item 4: Feed costs (pg. 3) \$ 1108<sup>30</sup>

Total Expenses: \$ 2511.50

Profit or Loss (Total Income - Total Expenses): \$ 742.07

## Record Review and Comments

\_\_\_\_\_ has completed their records and I have reviewed them with

(Member)

him/her.

Comments by leader: \_\_\_\_\_

Signed \_\_\_\_\_ 4-H Leader

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# Feed and Growth Record for 4-H Market Animals

For 4-H members who want to keep more complete records on market beef, goats, sheep, swine and other market animals and be able to figure rate of gain, cost of gain, and ability to use feed. This record is in addition to other records in the 4-H Animal Science project. Use one record for each animal or pen of animals. Start weight and feed records at the time of the official weigh-in. Weigh your animals monthly if possible.

NAME: Sally Jones COUNTY: Crook

Name or description of animal(s) or pen of animals: Ringo

Species (beef, dairy cattle, goat, poultry, rabbit, sheep or swine): Beef

Identification of animal(s): Weigh-in tag # 110

Birth date of animal(s): 3/1/2013 Purchase date or obtained: 10/20/2013

Breed of sire: Angus Breed of dam: Angus

**RATE OF GAIN**

Ending	Weight <u>1240</u>	Date <u>8/8/14</u>
Beginning	<u>700</u>	<u>10/20/13</u>

Lb Gained 540 Number of growing days 292 Average daily gain 1.85  
 (Calculate the average daily gain by dividing the lb gained by the number of growing days)

Lb of feed fed 9179 Lb gained 540 = feed efficiency 17  
 (from the back of this sheet) (lb of feed/lb gained)  
 (Calculate feed efficiency by dividing the lb of feed fed by the lb gained.)

Cost of feed 114.46 Lb gained 540 = Cost of feed/lb gained \$2.06  
 (from the back of this sheet)  
 (Calculate the cost of feed per lb gained by dividing the cost of the feed by the lb gained.)

Feed-

Grain - \$10.00 / 50 lb bag = 0.20 \$ per pound

Hay - \$150 / ton of hay = 0.075 \$ per pound

### Feed Record

Month	Kinds of feed - (Ration No. 1, rolled barley, alfalfa hay, etc.)								Total cost of feed
	Grain		Grass Hay		Mineral		Pasture		
	Lb	Cost	Lb	Cost	Lb	Cost	Days	Cost	
October	40	8.00	200	15.00	1.0	.60			23.60
November	180	36.00	600	45.00	1.0	.60			81.60
December	186	37.20	630	46.50	1.0	.60			84.30
January	279	55.80	630	46.50	1.0	.60			102.90
February	252	50.40	560	42.00	1.0	.60			93.00
March	372	74.40	630	46.50	1.0	.60			121.50
April	360	72.00	600	45.00	1.0	.60			117.60
May	372	74.40	630	46.50	1.0	.60			121.50
June	480	96.00	600	45.00	1.0	.60			141.60
July 1-10	200	40.00	200	15.00	.3	.18			55.18
July 11-31	462	92.40	420	31.50	.7	.42			124.32
August	176	35.20	160	12.00	.26	.16			47.36
Total	3359	\$671.80	5820	\$436.50	10.26	\$6.16		\$	\$1114.46

### FINANCIAL SUMMARY

- 10. Cost of animal 600.00 (see 4-H Animal Science Record, page 1)
- 11. Cost of feed 1114.46 (see above table)
- 12. Cost of other expenses 488.45 (see 4-H Animal Science Record, page 2)
- 13. Total cost 2202.91
- 14. Sale price 2480.00 (\$ 2.00 per lb)
- 15. Profit/loss \$ 277.09 (Subtract the total cost from the sale price. Enter this figure on Page 4 of the 4-H Animal Science Record.)
- 16. Profit/loss per lb \$ .51 (Calculate the profit/loss per lb by dividing the profit/loss by the Lb gained.)
- 17. Carcass data: Yield grade 2  
(1,2,3,4)
- 18. Quality grade choice  
(prime, choice, select)

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# CROOK COUNTY 4-H & FFA LIVESTOCK SALE ASSOCIATION, INC. JUNIOR LIVESTOCK AUCTION

SATURDAY, August 9, 2014, 3:30 PM

Chairman.....Ryan Middaugh  
Vice-Chairman.....Donley Herrin  
Secretary.....Grace Deboodt  
Treasurer.....Cathy Bartels

## Resale Buyers:

- Beef - AB Foods, Toppenish, WA \$ 1.55 per pound
- Lambs - Lou Kokkeler Livestock, Junction City, OR \$ 1.30 per pound
- Swine - Carlton Farms, Carlton, OR \$ .83 per pound
- Goats - Lou Kokkeler Livestock, Junction City, OR \$ 1.40 per pound
- Rabbits - Redmond Smokehouse, Redmond, OR \$ 1.00 per pound
- Poultry - Redmond Smokehouse, Redmond, OR \$ .59 per pound

## GENERAL INFORMATION

The Crook County 4-H & FFA Livestock Sale Association, Inc. sponsors the 4-H and FFA livestock sale to assist in the support of 4-H and FFA livestock projects. Sale objectives are to:

1. Provide a sale outlet for 4-H and FFA market projects exhibited at the Crook County Fair.
2. Assist educational efforts of 4-H and FFA programs concerning marketing of livestock at the proper weight and quality grade.
3. Provide an opportunity for recognition of members and buyers.

## BUYERS' BREAKFAST

All buyers are invited to breakfast Sunday morning, August 10<sup>th</sup> at 8:00 am in the indoor arena. Each buyer will receive two complementary breakfasts. All buyers are sincerely invited to attend!

## SALE TERMS AND CONDITIONS

1. No animal will sell for more than that species' Supreme Champion.
2. All bidding will be on a **per pound** basis.
3. Payment is to be made to the Crook County 4-H & FFA Livestock Sale Association, Inc. and is to be delivered to the sale office just east of the sale barn immediately following the sale. VISA or Mastercard payments are accepted, and will be assessed a 3% surcharge to cover merchant account charges.
4. **This is a terminal sale.** Buyers must designate destination of the animals (i.e. resale or process) at the accounting office following the sale. Those choosing local processing will indicate which processor is to be used and are responsible for their own cut and wrap arrangements. Livestock will be delivered free to slaughter services within CROOK COUNTY.
5. All market animals met the following weight requirements, prior to shrink, upon arrival at the fairgrounds: Beef - 1000 lbs minimum; Lambs - 105 lbs minimum; Swine - 220 lbs minimum; Goats - 75 lbs. minimum.
6. Weights of poultry broilers and rabbit fryers were estimated with non-certified scales as: Poultry Fryers - 3-4 lbs each; Rabbit fryers - 4.5-6.5 lbs each.
7. Sale weights posted in the catalog were determined as follows: Lambs, swine and goats were weighed Wednesday, August 6, 2014 off trucks, with 3% shrink taken on animals hauled 10 miles or less, 2%



**Crook County 4-H & FFA Livestock Sale Ass'n, Inc**

**Check #**

<u>Type</u>	<u>Division</u>	<u>Class</u>	<u>Entry</u>	<u>Description</u>	<u>Other</u>	<u>Amount</u>	<u>Commission</u>	<u>Adj. Amount</u>
Sale	Beef Market	7213000	46	Invoice 163	Name of Buyer	\$2,294.00	(\$91.76) @ 4%	<b>\$2,202.24</b>
Sale	Beef Market	7213000	46	Invoice 163	Name on Bump	\$186.00	(\$7.44) @ 4%	<b>\$178.56</b> Add on
Misc	Beef Market	7213000	46	Brand Inspection	Sale Adjustment	(\$1.50)	-	<b>(\$1.50)</b>
Misc	Beef Market	7213000	46	Buyer's Brkfst	Sale Adjustment	(\$5.00)	-	<b>(\$5.00)</b>

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This is an example of what will come to each member if they sell an animal at the 4-H & FFA Livestock Sale at fair. This information is needed to complete the Animal Science Project record and the Feed & Growth record.

