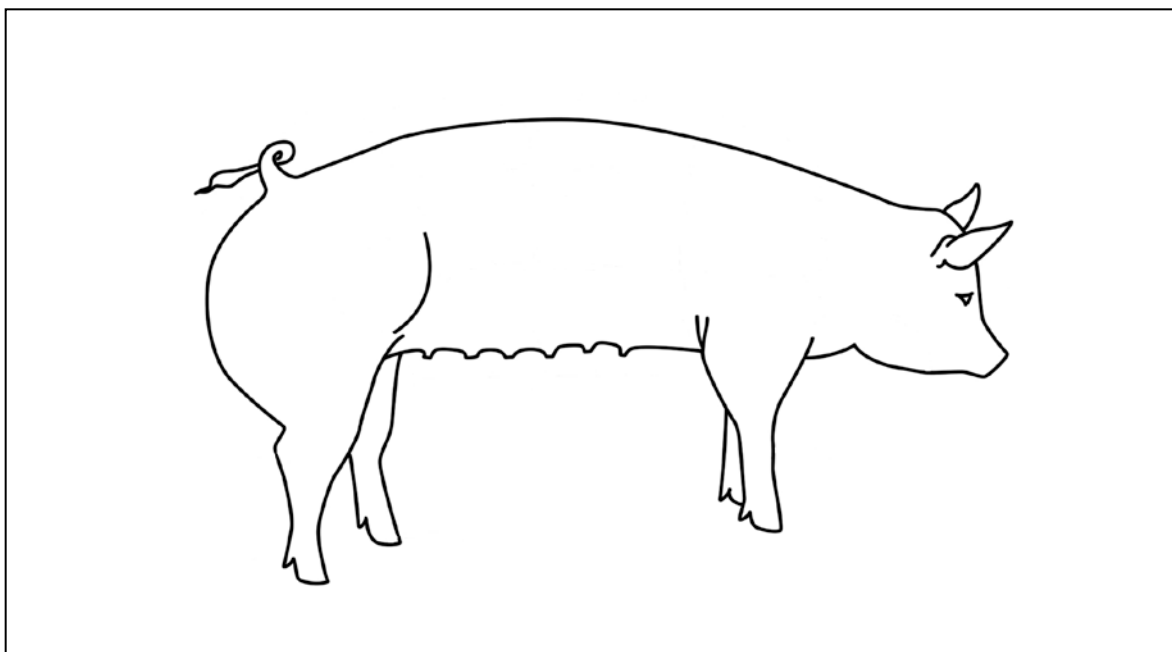


British Columbia



Fed Hog or Market Hog Record Book



For all 4-H Fed or Market Hog projects except
for Senior Management Projects.

Units applicable to this record book are:

I (Fed Hog) and VII (Market Hog)

Publication #1340

The 4-H Motto

“Learn to Do by Doing”



The 4-H Pledge

*I pledge
My Head to clearer thinking
My Heart to greater loyalty,
My Hands to larger service,
My Health to better living,
For my club, my community, and my country.*

The 4-H Grace

(Tune of Auld Lang Syne)

*We thank thee, Lord, for blessings great
on this, our own fair land.
Teach us to serve thee joyfully,
with head, heart, health and hand.*

Acknowledgements:

This 4-H Record Book is an extension of the BC 4-H Livestock Record Book, Publication #398 and has been combined with the individual project record books of the 4-H Branch of Alberta Agriculture, Food and Rural Development. Thank you to the Alberta 4-H Program for the use of their materials.

The BC 4-H program acknowledges the Canadian 4-H Council and its sponsor Syngenta for the funding under the 2006 Syngenta Agriculture Futures Program Grant. Thank you Syngenta for funding the printing costs of this 4-H resource.

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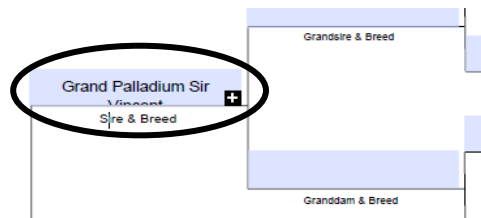
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Instructions for the Electronic Record Book

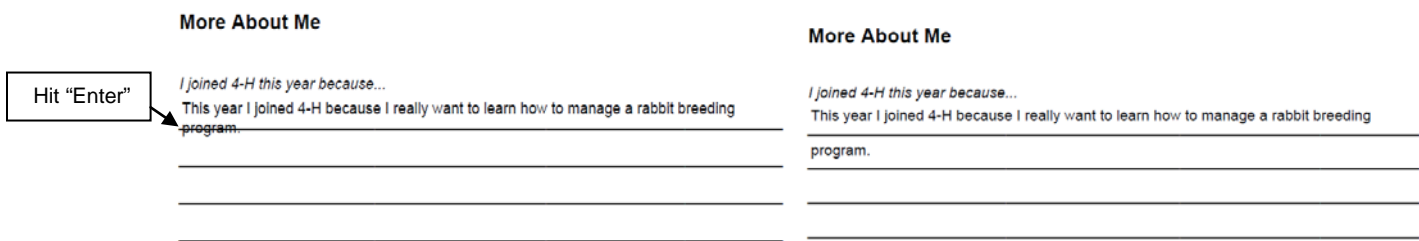
Each B.C. 4-H record book publication has been converted to allow for electronic data entry. This will allow for changes to be made and saved on your computer. It is also a way to create extra pages when needed.

To use:

- All files are pdf form. The book is to be filled in electronically and then printed.
- Where there is a light-blue section, you will be allowed to fill in the required information. Some sections will also have check boxes.
- All typing is in 12 point Helvetica font
- To move wording in the box, use the space bar to adjust location.
- You cannot exceed the writing space of the box otherwise it will not print correctly.



- For multi-line answers, type until the second line and then hit enter. This will line up the writing with the pre-determined spaces.



Additional Notes

- After the file is printed, complete your record book by doing the following:
 - Circle lbs or kg on feeding record pages
 - Attach photographs to the document
 - Get handwritten signatures on pages that require it.
 - If a growth chart for your animal is included, you will need to complete it by hand.
- Save as a regular file, but remember to create a new copy for each of the same project type or each new project year.

The Creed of the 4-H Stock Keeper

I will:

1. Provide comfortable and sufficient quarters for my livestock.
2. Feed my livestock on time each day.
3. Provide animals with clean water at all times.
4. Keep my animals free from parasites.
5. Strive to keep my livestock in good health.
6. Learn as much as possible about the best methods of feeding and caring for livestock.
7. Strive to improve the breeding and quality of my livestock, and of the livestock in my community, from year to year.
8. Be kind to animals.
9. Always be a good sport in competition.
10. Keep an accurate record of my projects.
11. Complete my project and take part in all the activities of my 4-H club each year.

I have read and agree to abide by this creed.

Your Signature _____ Date _____



4-H AWARE Program

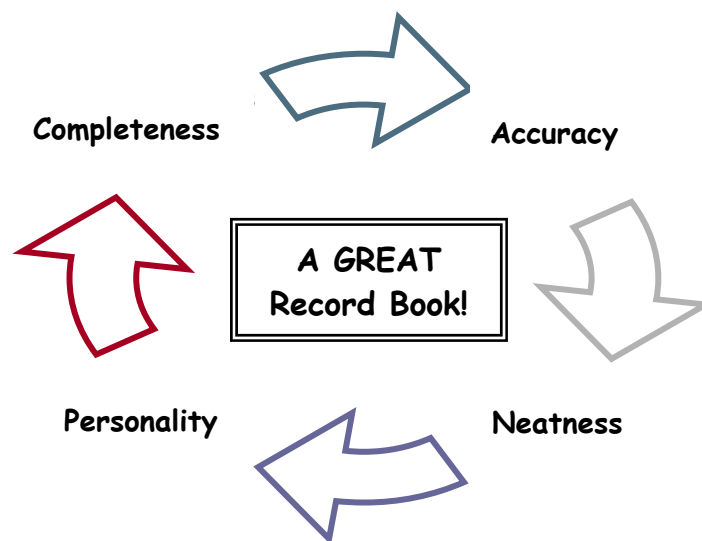
Your leader should review the 4-H AWARE program. AWARE is Animal Welfare, Animal Rights Education and being a swine 4-H member, this is an important topic. When you are at the fair, make sure that people know your animal has feed and water and explain the care of your animal. Before the fair, review all the aspects of your project and any questions that could be asked and try to have the answers at your stall.

About Your Record Book

Why do we keep records in 4-H?

- To record information about your animal.
- To record the work you have done.
- To record your club activities.
- To learn the importance of keeping accurate records in any business.
- So you can see the actual costs involved in completing your project. Without records, you cannot accurately tell how much of a gain or loss you have made on your investment.

What is involved in a Great Record Book?



- **Completeness** - A good record book has all the required information completed, including achievement day and an evaluation of your project year.
- **Accuracy** - Your figures and information should be accurate and up-to-date. Be accurate when weighing your feed and your animal.
- **Neatness** - Neatness is important in your record book. We realize that you are working on your record book throughout the year and will do your best to keep your book neat.
- **Personality** - This is the story of your project and experiences. Be original and personal in the information you keep in your book. Add photographs (with captions), newspaper and magazine articles on you, your club, your project type and 4-H. Your record book will be important to you for many years.

Flexibility is the Key!

The key to this market hog record book is flexibility. Start by putting these pages in a three ring binder. Add extra pages if you need more room. Make this your personal record book. Remember that this a record book of YOUR WORK WITH YOUR PROJECT!

Hints for Keeping Good Records

Helpful Hint: Keep a calendar and a pen somewhere handy to your animal. Whenever you change the feed, or your animal is treated or vaccinated, you can quickly grab your calendar and mark it down. When it is time to write the information in your record book, the information is easy to find and accurate.

- Read the instructions for each section carefully. Make sure that you know in advance which records you must keep in that section. If you have any questions, ask your leader, he or she is there to help you!
- If you do not know feed prices, there are many people you can contact. Your club may decide to set prices at the start of the project year. Consult your parents, Internet websites, local radio reports, feed companies, your local agriculture specialist, your leader, your neighbour and so on. Prices will vary during the year.
- Be consistent in your units for weight. No matter which type of units you use (kilograms or pounds), use the same units through your entire book.
- Keeping records is a good business procedure. A good record book will be important in future projects for your decision-making. For fed or market hog projects you must keep records for at least 90 days. Your achievement day must be included in the 90 day record period.
- Keep your records up-to-date! Problems are caused by forgetting to record last month's feeds, or not recording changes in the feeds.
- Be accurate in your feed weight so you can accurately reflect the costs of maintaining your project. Round the number to one decimal place, for example: 1.4 kg instead of 1.375 kg.
- Include all costs, no matter how small. This will give you a true picture of your actual costs.
- Identify any purchases or losses of equipment during the project year.

About Me and My Club

About Me

My name _____

Address _____

My age at January 1st this year _____

This is my _____ year in 4-H

About My Club

Club Name _____

Number of members _____

This club has been operating for _____ years.

Club Leader(s):	<u>Name</u>	<u>Phone Number</u>
	_____	_____
	_____	_____
	_____	_____

Club Executive:

President _____

Vice President _____

Secretary _____

Treasurer _____

Press Reporter _____

Safety Officer _____

More About Me

I joined 4-H this year because...

This year in 4-H, I hope to accomplish...

This year I will contribute to my club by...

About My Swine Project

Name of Animal _____ Date of Birth _____

Purebred or Crossbred _____ Breed _____

4-H Eartag/Tattoo _____

Dam Breed and Name _____

Sire Breed and Name _____

Date purchased _____ Purchase price or initial value _____

Purchased from Name: _____

Farm/Breeder: _____

Include a photograph here, taken within the first two months of the project year. Be sure to put a title and date.

(Add more pages to show all of your photographs from throughout the year.)

4-H Year Planning

Complete this section at the beginning of the 4-H year.

How many and what kinds of animals will you care for (fed hog, market hog)?

What will you do to take care of them (example: feed, training)?

What goals do you want to accomplish with your project (example: a steady weight gain)?

What activities do you want to try (example: a regional 4-H event, judging rally)?

Caring for My Animal

Check the things that you are already doing well to care for your animal.
Check which ones you can improve on.

I'm already doing	I want to improve	Care
		Prepare facilities before I get my animal.
		Provide adequate housing and bedding.
		Feed my animal daily and on a regular schedule.
		Feed a balanced ration.
		Provide access to good quality water at all times.
		Control internal and external parasites.
		Any invasive procedures (e.g. castration, docking) are performed when animals are as young as possible.
		Train animals to lead or be handled at a young age.
		Have a planned health program to prevent disease.
		Observe animals daily and get treatment for those needing it.
		Aware of the signs that my animal is in pain or is suffering.
		Keep feed and treatment records.
		Be aware of an animal's comfort (physical and mental) at all stages of production.
		Minimize or eliminate all procedures or circumstances that may cause stress to my animal.
		Take the time to understand the behavioural needs (e.g. companionship) of my animals.
		Sort and load animals safely and with concern for them.

Swine Management

Your animal requires regular care and management. Here is the place to explain what you regularly do for or with your animal on a daily, weekly and monthly basis. Be as specific as possible. Use the "Caring for My Animal" checklist on the previous page as a guideline for this page.

Remember to list the following:

- Feeding and watering practices
- Bedding
- Grooming
- Health check
- Clean pens, feed and water containers
- Manure removal
- Checking and repairing facilities as needed: fencing, pens, barns

What I do for / with my project animal...

Daily:

Weekly:

Monthly:

Rate of Gain Record

Weight measured in kgs / lbs (circle one)

Knowing how much your animal is gaining each day is important for a swine project. Weights can be measured by using scales, weight tapes, or estimated. It is recommended to weight your animal on a scale at least at the beginning and end of your project.

Instructions: Fill in the chart below and then graph your animal's growth curve at the end of the project year. For calculations for the first table, follow the example column. The **weight gain** will be the overall weight gained for the month; therefore the **ending weight [2]** minus the **starting weight [3]**. The **average daily gain [5]** is the weight your animal gained each day, which can be calculated using the **weight gain [4]** over the **number of days in the month [1]**. If your weigh-in started in the middle of the month, only account for that number of days.

This is an example calculation, these values are not to be used in your table:

For the month of August, there are 31 days. The ending weight of for August of a fed hog was 252 lbs (114.3 kg). The start weight was 189 lbs (85.7 kg).

$$\begin{aligned} \text{Weight Gain} &= \text{Ending Weight} - \text{Starting Weight} \\ &= 252 \text{ lbs (114.3 kg)} - 189 \text{ lbs (85.7 kg)} = 63 \text{ lbs (28.6 kg)} \end{aligned}$$

$$\text{Average Daily Gain} = \frac{\text{Weight Gain}}{\text{Number of Days}} = \frac{63 \text{ lbs (28.6 kg)}}{31 \text{ days}} = 2.0 \text{ lbs (0.9 kg) per day}$$

Month								
Number of Days [1]								
Ending Weight (kg/lbs) [2]								
Starting Weight (kg/lbs) [3]								
Weight Gain (kg/lbs) [4]	[4] = [2] - [3]							
A.D.G. = Average Daily Gain (kg/lbs per day) [5]	[5] = [4] / [1]							

Final Weight - Initial Weight = Total Weight Gain

- =

Total Number of Days of Project =
(Sum of Row [1])

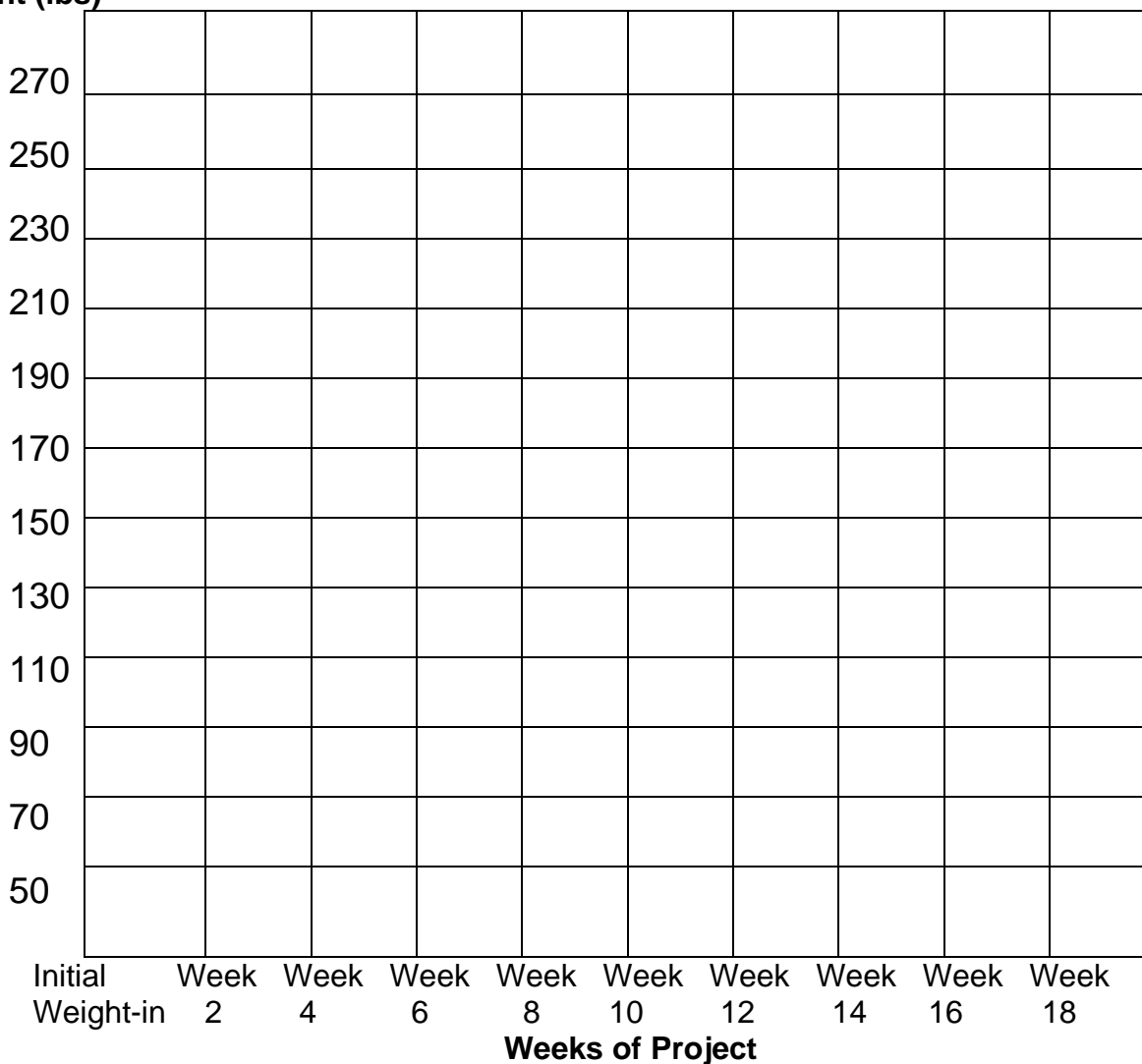
Growth Chart

Weight measured in kgs / lbs (circle one)

Using the weights in the table, draw a chart to help you track your animal's progress. In the chart below, plot the predicted growth curve (based on the average daily gain) and then plot the actual weight of your animal at various times during the feeding period to determine if you are "on target". Compare the actual growth curve with the targeted growth line. From this information, you may need to make adjustments to how much you are feeding.

1. Mark the initial weight at the appropriate location on the left-hand side of the table.
2. Mark the estimated final weight at the appropriate location for the number of weeks in the feeding period.
3. Connect these 2 points with either a straight or curved line, based on your predicted average daily gain.
4. Each time you weigh your animal, record that weight on the Growth Chart. Connect this point with the previous weight. Your animal should be weighed bi-weekly to keep an accurate account of its growth.

Weight (lbs)



Equipment Inventory

This page will be used to keep track of all equipment that the member owns and all the items will be assigned a value. The Equipment Inventory will be continuous from year to year and should be transferred to the current Record Book each year. Do not include items that you put in Other Costs.

Example:

Date	Equipment Item	Value of Purchased Equipment of Carried Forward	10% Depreciation (\$)	Remaining Value to be Carried Forward (\$)
April 1, 20XX	Feed Bucket	\$18.50	\$1.85	\$16.65
April 15, 20XX	Measuring Scoop	\$7.00	\$0.70	\$ 6.30

Date	Equipment Item	Value of Purchased Equipment of Carried Forward	10% Depreciation (\$)	Remaining Value to be Carried Forward (\$)
Total Depreciation Costs				

Monthly Feed Record

Weight measured in kgs / lbs (circle one)

Include the values of pelleted feeds, grains or other food supplements that your project animal eats. If you share feed with someone else, calculate and record only the value of the feed your own animal eats.

Monthly Record For: May (Example for your reference)

Feed (Pelleted Feeds, Grains, Food Supplements)	Days on Feed [1]	Weight per Day kgs/lbs [2]	Monthly Weight kgs/lbs [3]	Price per Weight Unit [4]	Monthly Feed Cost (\$) [5]
	[1]	[2]	[3] = [1] x [2]	[4]	[5] = [3] x [4]
<i>Pellets</i>	31	3 lbs	93 lbs	\$0.20/lb	\$18.60
<i>Vegetables (from leftovers)</i>	31	1 lb	31 lbs	\$0.00/lb	\$0.00
Subtotals			Total 124 lbs		Total \$18.60

Monthly Record For: _____

Feed (Pelleted Feeds, Grains, Food Supplements)	Days on Feed [1]	Weight per Day kgs/lbs [2]	Monthly Weight kgs/lbs [1] x [2] = [3]	Price per Weight Unit [4]	Monthly Feed Cost (\$) [3] x [4] = [5]
Subtotals			Total (A1)		Total (B1)

Monthly Feed Record

Weight measured in kgs / lbs (circle one)

Monthly Record For: _____

Feed (Pelleted Feeds, Grains, Food Supplements)	Days on Feed	Weight per Day kgs/lbs	Monthly Weight kgs/lbs	Price per Weight Unit	Monthly Feed Cost (\$)
Subtotals			Total (A2)		Total (B2)

Monthly Record For: _____

Feed (Pelleted Feeds, Grains, Food Supplements)	Days on Feed	Weight per Day kgs/lbs	Monthly Weight kgs/lbs	Price per Weight Unit	Monthly Feed Cost (\$)
Subtotals			Total (A3)		Total (B3)

Monthly Feed Record

Weight measured in kgs / lbs (circle one)

Monthly Record For: _____

Feed (Pelleted Feeds, Grains, Food Supplements)	Days on Feed	Weight per Day kgs/lbs	Monthly Weight kgs/lbs	Price per Weight Unit	Monthly Feed Cost (\$)
Subtotals			Total (A4)		Total (B4)

Monthly Record For: _____

Feed (Pelleted Feeds, Grains, Food Supplements)	Days on Feed	Weight per Day kgs/lbs	Monthly Weight kgs/lbs	Price per Weight Unit	Monthly Feed Cost (\$)
Subtotals			Total (A5)		Total (B5)

Total Feed Amounts and Expenses

Month	Monthly Weight of Feed (from pg 13-15)		Monthly Feed Cost (\$) (from pg 13-15)
	(A1)		(B1)
	(A2)		(B2)
	(A3)		(B3)
	(A4)		(B4)
	(A5)		(B5)
Total Feed (kgs/lbs) = A1+A2+A3+A4+A5		Total Feed Expenses (\$) = B1+B2+B3+B4+B5	

Swine Project Feed Information

Attach a Feed Ingredient Slip/Nutritional Analysis from each of your feed sources. If the feed is mixed in a mill, ask the mill operator for a list of ingredients. If a slip is not available, please describe your feed sources as best as possible.

Did the feed or mixture change during the course of the project? If yes, why and how did it change?

Did your animal have any feeding problems? Describe the problem and how you dealt with it.

Health and Veterinary Record

Animal's Veterinarian: _____

Veterinarian's Phone Number: _____

This should include a record of any health related activities (immunizations, drugs, surgery, or use of veterinarian's services for any reason such as health certificate). This should include what you used, how much you used, and what you used it for. Fill in all applicable information. **If your animal was healthy through the project, please note.**

Date	Procedure or Problem	Treatment (product used, dosage)	Cost (\$)
Total Health and Veterinary Expenses			

Medications

Because your project is a market animal, it is important to record medications and when they are through the animal's system (withdrawal). Remember to document ALL medications or medicated feeds and withdrawal times.

Date Administered or Fed	Medication Name (Medication added/included in feed and approximate amount of medication)	Withdrawal Time (Instructed)	Withdrawal Complete (Date)

Withdrawal Time Affidavit

I, _____ (print), of the _____ 4-H Club, attest that to the best of my knowledge, the withdrawal times of the medications and/or medicated feeds administered to my hogs were strictly adhered to. I understand that it is my responsibility to monitor withdrawal times in my market animals to protect the safety of the food supply.

<i>4-H Member's Signature</i>	<i>Date</i>
<i>Parent or Guardian Signature</i>	<i>Date</i>

My Swine Project Financial Summary

Income:

Sale price or estimated value of animal at end of project	\$	<input type="text"/>
Total show income (page 21)	+	<input type="text"/>
TOTAL INCOME	=	<input type="text"/>

Expenses:

Purchase Price or initial value of animal (page 6)		<input type="text"/>
Depreciation Cost (page 12)	+	<input type="text"/>
Total Feed Expenses (page 16)	+	<input type="text"/>
Health and Veterinary Expenses (page 18)	+	<input type="text"/>
Other Expenses (page 20)	+	<input type="text"/>
TOTAL PROJECT EXPENSES	=	<input type="text"/>

Profit or Loss Calculation:

Total Income - Total Project Expense = **Profit or Loss**

- =

1. Did you have a profit or loss?

2. If you had sold this animal at today's market price, would you have made a profit or loss?

Indicate the current market price per weight unit.

Market Price - Expenses = Real Life Profit or Loss

Note: The person who bought your project supports you, as a 4-H member, by paying a premium price (more than market value). You are expected to send a thank you note to your buyer.

My Animal's Performance

Weight measured in kgs / lbs (circle one)

In this section, you will calculate the rate of gain and the feed efficiency for your project animal. These calculations are a very important learning tool and one that might help you with future year's projects.

	Weight of Animal (lbs or kgs)	Date Of Measurement
Start of Project		
Final Live Weigh-In		
Calculate Difference	1. (weight gained)	2. (days of feed)

Calculate the Average Daily Gain

	$\frac{\text{Weight of Gain (1 above)}}{\text{Days on Feed (2 above)}} = \text{Average Daily Gain} = \text{_____ kgs or lbs per day}$

Calculate the Feed Efficiency (FE) is the weight of dry matter feed fed to an animal to produce one pound of gain. Calculate your swine project's FE.

Total Amount of Feed Fed (from Feed Record pg 15) _____ kgs or lbs.

Dry Matter Feed = Total Feed Fed _____ kgs or lbs X 0.85 = _____ kgs or lbs.

	$\frac{\text{Total Weight Dry matter}}{\text{Weight of Gain (1 above)}} = \text{Feed Efficiency} = \text{_____}$

My Swine Project Photo Album

Be Creative. The more photographs, the better! A completed record book should at least have a beginning photograph and a finished picture. You are encouraged to be in the photo with your project animal and include more photographs. You should also include captions on your pictures that at least include the date of the photograph. You may use additional pages.

My Swine Project Year Summary

What I learned this year

This section is to be completed at the end of the 4-H year. It is meant to help you look back on all that you have learned during the past year. Look back on the goals you set for yourself at the beginning of the year. How well did you meet those goals?

How did you improve or learn the skills you wanted to learn?

How did you accomplish the goals you set for yourself?

What new activities did you try?

In what way did you help or teach others?

B.C. 4-H Provincial Council

2743 – 30th Street

Vernon, B.C. V1T 5C6

Toll Free: 1-866-776-0373

Website: www.bc4h.bc.ca

