NORTH DAKOTA
4-H SWINE BREEDING PROJECT RECORD

4-H member information

Name __________________________________________________  Club _____________________________

Age ______  Years in the project ______  Years in 4-H ______  Date project started _____/_____/_____

Parent’s name_______________________________________________________________________________

Address _____________________________________________________________________________________

Caption _____________________________________________________________________

____________________________________________________________________________

Younger members may need help filling out the information necessary for their projects. The first line of each table is an example of how to complete that table.
Objectives

*Suggested objectives to learn in your swine project.*

1. To gain a knowledge and understanding of livestock production and feeding.
2. To make decisions and be responsible for the care and well-being of an animal.
3. To learn how to manage time and resources.
4. To share the information and skills learned with others.
5. To learn how to communicate with others.
6. To explore careers that work with animals.

You may not reach all of your objectives in one year.
You may develop additional objectives to fit your needs.

Breeding Project Information

*Calendar Year ________
*(Fill in the following information where applicable)*

Years in breeding project __________
Number of animals in project this year __________
Number of sows __________
gilts __________
boars __________

My goals for this project
____________________________________________________________________________________
____________________________________________________________________________________

How many animals in this project will you exhibit at 4-H Achievement Days or County Fair? __________

Breeding Project Information *(For the next year)*

*Calendar Year ________

Years in breeding project __________
Number of animals in project this year __________
Number of sows __________
gilts __________
boars __________

My goals for this project
____________________________________________________________________________________
____________________________________________________________________________________

How many animals in this project will you exhibit at 4-H Achievement Days or County Fair? __________
4-H Swine Breeding Project ◆ Lifetime Record

One of these summary forms is needed for each 4-H breeding swine involved in the project. It contains permanent identification, production and health records. Simply add information to this form as long as you own the animal listed below and include in your swine breeding project each year.

Identification and Animal Genetics:
Animal’s name ___________________________ Breed _____________________________
Date of birth _______ / _______ / _______ Tattoo/eartag/earnotch number___________
If registered, registration number _______________
Sire’s registration number _______________ Sire’s eartag/earnotch number____________
Dam’s registration number _______________ Eartag/earnotch number____________
Purchase date _______ / _______ / _______ Price paid $ __________

Health Record
(Include all vaccinations, semen, processing. etc.)

<table>
<thead>
<tr>
<th>Date</th>
<th>Date</th>
<th>Description of Problem or Action</th>
<th>Cost</th>
<th>Description of Problem or Action</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/10</td>
<td></td>
<td>vaccination</td>
<td>$1.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Breeding and Farrowing Record
(Use one line for each farrowing)

<table>
<thead>
<tr>
<th>Year</th>
<th>Date Bred</th>
<th>Sire Name or No.</th>
<th>Farrowing Date</th>
<th>No. of Pigs Born</th>
<th>Litter # &amp; Pigs # (i.e. 40: 1-11)</th>
<th>Date Weaned</th>
<th>Total Lbs. Weaned</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/12</td>
<td>10-4</td>
<td>2/3</td>
<td>9</td>
<td>3: 1-9</td>
<td>3/19</td>
<td>180</td>
<td></td>
</tr>
</tbody>
</table>
**4-H Swine Breeding Project ➤ Lifetime Record**

One of these summary forms is needed for each 4-H breeding swine involved in the project. It contains permanent identification, production and health records. Simply add information to this form as long as you own the animal listed below and include in your swine breeding project each year.

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Animal’s name ____________________ Breed ____________________
Date of birth _______ / _______ / _______ Tattoo/eartag/earnotch number ____________
If registered, registration number ____________
Sire’s registration number ____________ Sire’s eartag/earnotch number ____________
Dam’s registration number ____________ Eartag/earnotch number ____________
Purchase date _______ / _______ / _______ Price paid $ ____________

**Health Record**
*(Include all vaccinations, semen, processing. etc.)*

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# Feeding Period Sheet

1. Date feeding period started ____ / ____ / ____ ended ____ / ____ / ____

2. Total days of this feeding period ________________________________

3. Number of animals you are including in this feeding period ____________________

4. Animal weight at the beginning of feeding period ____________________
   (use average weight if more than one animal)

*In this section, include all feeds, minerals, vitamins and protein supplements. If you are feeding more than one animal the same ration, use one feed sheet. Do not include animals that are on different rations. Use a separate set of feeding period sheets for those animals.*

<table>
<thead>
<tr>
<th>Feed</th>
<th>(A) Lbs. Feed per Day</th>
<th>(B) Cost/lb. of Feed</th>
<th>(C) No. of Days Fed</th>
<th>(D) Total lbs. Fed (A x C)</th>
<th>(E) Total Cost (A x B x C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>grain mix</td>
<td>6</td>
<td>.12</td>
<td>100</td>
<td>600</td>
<td>72.00</td>
</tr>
</tbody>
</table>

6. Totals  ____ (A)  ____ (B)  ____ (C)  ____ (D) $ ____ (E)

Explain why this ration was used _______________________________________

Explain why any changes in this ration were made _________________________

(When major changes in ration occur, please document on the next feeding period sheet. You may need extra sheets.)
**Feeding Period Sheet**

1. Date feeding period started ___ / ___ / ____ ended ___ / ___ / ____

2. Total days of this feeding period ________________________________

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</table>

6. Totals _______ (A) _______ (B) _______ (C) _______ (D) $ _______ (E)

   Explain why this ration was used ____________________________________________

   ____________________________________________

   Explain why any changes in this ration were made ______________________________

   ____________________________________________

   (When major changes in ration occur, please document on the next feeding period sheet. You may need extra sheets.)
Feeding Period Sheet

1. Date feeding period started ___ / ___ / _____ ended ___ / ___ / _____

2. Total days of this feeding period

3. Number of animals you are including in this feeding period

4. Animal weight at the beginning of feeding period
   (use average weight if more than one animal)

   In this section, include all feeds, minerals, vitamins and protein supplements. If you are feeding more than one animal the same ration, use one feed sheet. Do not include animals that are on different rations. Use a separate set of feeding period sheets for those animals.

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</tbody>
</table>

6. Totals 

   (A) 
   (B) 
   (C) 
   (D) 
   (E) 

   Explain why this ration was used

   Explain why any changes in this ration were made

   (When major changes in ration occur, please document on the next feeding period sheet. You may need extra sheets.)
# Loan Record

To determine interest paid: \( A \times B \times C \div 365 \)

<table>
<thead>
<tr>
<th>Date</th>
<th>Item Loan was Received For</th>
<th>(A) Amount of Loan</th>
<th>(B) % Interest</th>
<th>(C) Length of Loan</th>
<th>(D) Principle Paid</th>
<th>(E) Interest Paid</th>
<th>(F) Unpaid Balance</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/30</td>
<td>Gilt 12-3</td>
<td>100.00</td>
<td>8%</td>
<td>6 months</td>
<td>100.00</td>
<td>4.00</td>
<td></td>
</tr>
</tbody>
</table>

1. Totals XXXXX XXXXX XXXXX $           (D) $           (E) XXXXX

# Travel Expense

<table>
<thead>
<tr>
<th>Animal Identification</th>
<th>Event</th>
<th>(A) Entry Fees</th>
<th>(B) Transportation</th>
<th>(C) Lodging</th>
<th>(D) Other</th>
<th>(E) Totals a+b+c+d</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-3</td>
<td>county fair</td>
<td>——</td>
<td>15.00</td>
<td>——</td>
<td>——</td>
<td>15.00</td>
</tr>
</tbody>
</table>

2. Totals $   (A) $   (B) $   (C) $   (D) $   (E)
# Equipment Inventory

*Equipment purchases made in previous years*

<table>
<thead>
<tr>
<th>Date</th>
<th>Item</th>
<th>Estimated Value at Beginning of Project Year (A)</th>
<th>Estimated Value at End of Project Year (B)</th>
<th>Change in Inventory Value*</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/15</td>
<td>feed pans</td>
<td>20.00</td>
<td>16.00</td>
<td>(4.00)</td>
</tr>
</tbody>
</table>

1. Totals

<table>
<thead>
<tr>
<th></th>
<th>$(A)</th>
<th>$(B)</th>
<th>$(C)</th>
</tr>
</thead>
</table>

*Equipment purchases made in current project year*

<table>
<thead>
<tr>
<th>Date</th>
<th>Item</th>
<th>Price Paid</th>
<th>Estimated Value in End of Project Year (B)</th>
<th>Change in Inventory Value*</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/1</td>
<td>brush</td>
<td>10.00</td>
<td>9.00</td>
<td>(1.00)</td>
</tr>
</tbody>
</table>

1. Totals

<table>
<thead>
<tr>
<th></th>
<th>$(A)</th>
<th>$(B)</th>
<th>$(C)</th>
</tr>
</thead>
</table>

* Change in Inventory Value = Beginning Value (column A) minus ending value (column B)
If equipment was sold, record $0 in Column B and record amount received on Line 3 of Income Summary.
Animal Inventory

*Breeding animals on hand at beginning of project year*

<table>
<thead>
<tr>
<th>Date</th>
<th>Item</th>
<th>Estimated Value at Beginning of Project Year (A)</th>
<th>Estimated Value in End of Project Year (B)</th>
<th>Change in Inventory Value*</th>
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</tbody>
</table>

1. Totals $\underline{\phantom{0000}}$ (A) $\underline{\phantom{0000}}$ (B) $\underline{\phantom{0000}}$ (C)

**Purchased this year**

Value of animals purchased during this year's project

(Use one line per animal in project)

<table>
<thead>
<tr>
<th>Animal Identification No. (A)</th>
<th>Beginning Weight (B)</th>
<th>Market Price at Time of Purchases (C)</th>
<th>Animal Value (D) (B x C)</th>
<th>Estimated Value at End of Project Year (E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>gilt 12-3</td>
<td>50 lbs</td>
<td>2.00/lbs</td>
<td>100.00</td>
<td>200.00</td>
</tr>
</tbody>
</table>

2. Total for purchased animals $\underline{\phantom{0000}}$ $\underline{\phantom{0000}}$

3. Total change in inventory (Add 1C + 2E)

* Change in Inventory Value = Beginning Value (column A) minus ending value (column B). If animals were sold during the year, record $0 in Column B and record amount received on Line 2 of Income Summary.
## Expense Summary

*Value of animals at beginning of this year’s project (use one line per animal in project)*

<table>
<thead>
<tr>
<th>Animal Identification No. (A)</th>
<th>Weight at Beginning of Year (B)</th>
<th>Estimated Animal Value (D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-1</td>
<td>300</td>
<td>$250.00</td>
</tr>
</tbody>
</table>

1. TOTAL COLUMN D $ ____________

2. Veterinary expenses (from health section); use current project year expenses only $ ____________

3. Total feed bill (total of all feeding period sheets - line 6E from feeding period sheets) $ ____________

4. Interest (from loan record section, line 1E) $ ____________

5. Travel expense (travel expense section, line 2E) $ ____________

6. Equipment purchases (from equipment inventory section, line 2A); use current project year purchases only $ ____________

7. Other cash expenses $ ____________
   Specify ___________________________________________________________________

   Specify ___________________________________________________________________

8. Total cash expenses (add lines 1 -+2+3+4+5+67) $ ____________
### Income Summary

**Premiums from livestock shows (for current project year, use actual ribbon premiums)**

<table>
<thead>
<tr>
<th>Date</th>
<th>Show/Event</th>
<th>Ribbons and/or Placing</th>
<th>Actual Premiums</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/25</td>
<td>county fair</td>
<td>Blue</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

1. Total from livestock premiums ................................................................. $ ____________

### Estimate of value of animals held for sale (at end of project year) or actual value of project sold

<table>
<thead>
<tr>
<th>Animal ID</th>
<th>(A) Weight Selling Time</th>
<th>(B) Market Price Selling Time</th>
<th>(C) Sale Value* A x B</th>
</tr>
</thead>
</table>

2. Total sale value of project (total of column C) ........................................ $ ____________

* sale value = actual sale value or estimate of value of animals held for sale

If animal is sold by the head enter value in sale value, column C

3. Other cash income received from your project .............................................. $ ____________

Specify ____________________________________________________________________

Specify ____________________________________________________________________

Specify ____________________________________________________________________

4. Total cash income (add lines 1 + 2 + 3) ....................................................... $ ____________
Business Summary

Cash Flow Statement

1. Total cash income (from income section, line 4) .......................................................... $________

2. Total expense (from expense section, line 8) ................................................................. $________

3. Net income or loss (line 1 minus line 2) ........................................................................ $________

Profit or Loss Statement

6. Net income or loss (line 3 above) ......................................................................................... $________

7. Value of any feed left on hand for which you have paid
   (this is an estimate you make) ......................................................................................... $________

8. Change in inventory value of breeding animals
   (this is an estimate you make) ........................................................................................ $________

9. Change in inventory value of equipment
   (from Equipment Inventory Section, line 1C)) .............................................................. $________

10. Net profit (loss)
    (line 4 + 5 + 6 - 7) ................................................................................................. $________

   Explain why you have a profit or loss
   ...........................................................................................................................................
   ...........................................................................................................................................
   ...........................................................................................................................................
   ...........................................................................................................................................
   ...........................................................................................................................................
   ...........................................................................................................................................
   ...........................................................................................................................................

How will you improve this project?
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   ...........................................................................................................................................
   ...........................................................................................................................................
   ...........................................................................................................................................
   ...........................................................................................................................................
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Note to 4-H members completing this record:

Please do not let all the lines and sections in this form distract you from completing this record. Complete it step by step and follow the instructions. When you are finished you will have a true picture of what you did with your project. Please remember that if you keep up with your records as your project progresses this will be a simple process.

Ask your project leader or parent to help you complete the record so you understand the meaning of each part.

Good luck with your swine breeding project.

Suggested Companion Materials

Veterinary Science
- The Normal Animal – Unit 1
- Animal Diseases – Unit 2
- Animal Health and Our World – Unit 3

Swine Project
- Squeal Appeal – Unit 1
- Hamming It Up – Unit 2
- Going Whole Hog – Unit 3

Developed by

Annette Steffan, former Slope County Agent
Chuck Steffan, former Area Beef/Range Management Specialist
Dan Dhuyvetter, former Area Beef/Range Management Specialist