

2019 VOLUSIA COUNTY FAIR  
YOUTH LIVESTOCK  
BREEDING RECORD BOOK



Exhibitor Name: \_\_\_\_\_

Age (as of Sept. 1): \_\_\_\_\_ Grade: \_\_\_\_\_ Years in Project: \_\_\_\_\_

Club or Chapter Name  
or Independent: \_\_\_\_\_

Circle one:      Heifer      Ewe      Goat      Swine

**INTERMEDIATE AND SENIOR LEVEL**

Score: \_\_\_\_\_

Place: \_\_\_\_\_

# RECORD BOOK REQUIREMENTS AND SCORING

RECORD BOOK SECTIONS	POSSIBLE POINTS
• PROJECT AGREEMENT - PAGE 3	/5
• PROJECT INFORMATION - PAGE 4	/5
• RESEARCH - PAGE 4	/10
• PROJECT SUMMARY - PAGE 5	/10
• REPRODUCTION - PAGES 6 & 7	/10
• PROJECT INVENTORY - PAGES 8 - 10	/10
• HEALTH RECORD - PAGES 11 & 12	/5
• NON-FEED EXPENSES - PAGES 13 & 14	/5
• FEED EXPENSES - PAGES 15 & 16	/10
• PROJECT ENTERPRISE SUMMARY - PAGES 17 & 18	/5
• SPECIAL PROJECT - PAGE 18	/5
• PHOTOGRAPHS WITH CAPTIONS - PAGES 19 - 23	/10
• REQUIRED VOLUSIA COUNTY FAIR DOCUMENTS - AND BREEDING RECORD - PAGE 24	/5
• NEATNESS AND ADHERENCE TO GUIDELINES, GRAMMAR, SPELLING	/5
TOTAL POINTS POSSIBLE:	100

1. The beginning of the project is the date of purchase or acquisition, or in case of a multi-year project, from December 1.
2. Record Books are due on November 6, 2019 between 1:00 - 5:00 p.m., at the Livestock Office in the Townsend Building. Late Record Books will not be accepted.
3. Record Books should be stapled in the top left corner and not placed in a plastic cover or notebook.
4. Record Books should be hand-written, in pen or pencil (if special arrangements need to be made, please contact Laura Cash at 386-822-5778).
5. Have your parent, club leader, or advisor proofread your Record Book.
6. Scoring: 90-100 Blue; 80-89 Red; 70-79 White

# PROJECT AGREEMENT

This section is to be completed at the **end** of the project.

Exhibitor Name: \_\_\_\_\_  
Exhibitor Address: \_\_\_\_\_  
\_\_\_\_\_  
Exhibitor Phone: \_\_\_\_\_  
Exhibitor E-mail: \_\_\_\_\_

## CERTIFICATION STATEMENTS

I hereby certify that as the exhibitor of this project, I have been personally responsible for the care of this animal, I have personally kept records on this project, and I have personally completed this Record Book.

\_\_\_\_\_  
Exhibitor Signature Date

I/We, the parent(s)/guardian(s), certify that our son/daughter has completed this project, with our encouragement and assistance, has completed this record book, and will comply with all of the rules and regulations of this show.

\_\_\_\_\_  
Parent/Guardian Signature Date

This exhibitor is a current and active member in good standing with the \_\_\_\_\_  
4-H Club or the \_\_\_\_\_ FFA Chapter. I have reviewed this book for  
completeness and accuracy of reporting.

\_\_\_\_\_  
Club Leader/ FFA Advisor Signature Date  
(if applicable)

## DRUG STATEMENT

I hereby certify that any drug, antibiotic, or biological residue which may have been administered by myself, or any person, was done so in strict compliance with the manufacturer's label requirements or as prescribed by a veterinarian.

\_\_\_\_\_  
Exhibitor Signature Parent/Guardian Signature



# PROJECT SUMMARY

Your score in this section will be determined by the completeness and thoroughness of your answers, neatness, and your grammar and spelling.

1. List 3 goals you have for this project (complete at **beginning** of project):

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

\_\_\_\_\_  
Exhibitor Signature

\_\_\_\_\_  
Date

2. List three things you learned, or skills you acquired, by completing this project:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

3. Who has influenced you, encouraged you, and helped you complete this project and how?

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

4. List three things that you considered to be challenges with your project:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

5. What plans do you have for future projects and what improvements can you make?

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

6. What citizenship and leadership activities have you been involved with during your project?

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

# REPRODUCTION

## I. Breed Identification:

Identify three breeds of animal related to your project. Find photos of them and attach below. Answer the accompanying questions.

1

Place of origin: \_\_\_\_\_  
Purpose: \_\_\_\_\_  
Characteristics: \_\_\_\_\_  
Appearance: \_\_\_\_\_  
Other notes: \_\_\_\_\_

2

Place of origin: \_\_\_\_\_  
Purpose: \_\_\_\_\_  
Characteristics: \_\_\_\_\_  
Appearance: \_\_\_\_\_  
Other notes: \_\_\_\_\_

3

Place of origin: \_\_\_\_\_  
Purpose: \_\_\_\_\_  
Characteristics: \_\_\_\_\_  
Appearance: \_\_\_\_\_  
Other notes: \_\_\_\_\_

## II. Selection:

4. What resources are available for you to find out information about evaluation and selection?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. What criteria (at least five) did you use to evaluate your breeding animal and what were you looking for (for example: muscle, volume, feet structure)?

- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_
- D. \_\_\_\_\_
- E. \_\_\_\_\_

## III. Tools and Processing:

6. Pick two of the following types of reproduction-related equipment, include a picture, and explain their purpose.

**FORCEPS      NOTCHING CLIPPERS      TEETH CUTTER      THERMOMETER**  
**BREEDING GUN      INSEMINATION PIPETTE      SPECULUM      IODINE**  
**OBSTETRICS CHAINS      DEHORNING PASTE      BURDIZZO      ELASTRATOR**  
**BREEDING SHEATH      HEAT DETECTION DEVICES      EAR TAGGER**  
**ULTRASOUND MACHINE      STRAW CUTTER      NOTCHING CLIPPERS**

- A. \_\_\_\_\_
- \_\_\_\_\_
- B. \_\_\_\_\_
- \_\_\_\_\_

6A

6B

# REPRODUCTION

## IV. Anatomy and Functions - Matching

### Female Functional Anatomy

A. A thick-walled tube with an irregular passageway that serves as a connection between the outside organs and the delicate inner organs. It contains tough cartilage, making it firm and dense to the touch. The cervix prevents microbial contamination of the uterus and closes tightly during pregnancy and then must open (dilate) at birth. It serves as a reservoir for sperm, a passageway for sperm during estrus.

B. Supports, nourishes, and protects the embryo as it develops and expels the fetus at parturition. Walls are soft and spongy in non-pregnant animals. It is made up of the uterine body which divides into two uterine horns.

C. The paired female gonads that produce eggs and hormones. Follicles are blister like structures that grow on the ovary which produce the hormone estrogen, causing heat or estrus, and release the egg at ovulation (rupture of the follicle). Following ovulation, the remaining cells change and form the corpus luteum which produces the hormone progesterone to maintain pregnancy.

D. The passageway from the vulva to the cervix that serves as the organ of copulation and birth canal during parturition. This is the site of semen deposition. The rear of the vagina conducts urine to the outside of the animal.

E. Tubes connecting the two ovaries to the uterine horns. The oviduct (also called the Fallopian Tube) transports egg and sperm cells, is the site of fertilization and moves the fertilized ova (embryo) into the uterus. The infundibulum is the funnel shaped opening at the end of each oviduct that partially surrounds the ovary and "catches" the egg at ovulation.

F. Tube connecting the bladder to the vagina that serves as a passageway for urine excretion.

G. The passageway from the vulva to the cervix that serves as the organ of copulation and birth canal during parturition. This is the site of semen deposition. The rear of the vagina conducts urine to the outside of the animal.

### TERMS

OVARIES \_\_\_\_\_

OVIDUCTS \_\_\_\_\_

UTERUS \_\_\_\_\_

CERVIX \_\_\_\_\_

VAGINA \_\_\_\_\_

URETHRA \_\_\_\_\_

VULVA \_\_\_\_\_

### Male Functional Anatomy

A. External sac; contains, supports, protects and provides temperature control for the testes.

B. Paired male gonads that produce the sperm cells and the male sex hormone, testosterone.

C. Long coiled tube that sperm enter upon leaving the testicles. It is the site of sperm storage, concentration, maturation and transport.

D. Long tube(s) that connect the epididymis in the scrotum to the urethra near the bladder, and transport sperm. The ampulla is the section of the that dumps into the urethra

E. Paired glands that secrete seminal fluid into the urethra which serves as a transportation medium and provides nutrition and protection for sperm.

F. Found near the urethra and the bladder. It adds fluid to the semen.

G. (Also called the Cowpers gland.) Secretes a fluid similar to that of the seminal fluid which flushes urine residue from the urethra.

H. Tube that passes through penis and is the common passageway for semen and urine.

I. Organ used for copulation that deposits sperm into the female reproductive tract. An S-shaped bend called the sigmoid flexure allows the penis to be retracted into the body by the **retractor penis muscles**.

J. The free end of the penis containing sensory nerves and the opening of the urethra.

K. Fold of skin serving to protect the penis by enclosing the free end when retracted.

### TERMS

PROSTATE GLAND \_\_\_\_\_

EPIDIDYMIS \_\_\_\_\_

URETHRA \_\_\_\_\_

PREPUCE \_\_\_\_\_

SCROTUM \_\_\_\_\_

DUCTUS DEFERENS OR  
VAS DEFERENS \_\_\_\_\_

GLANS PENIS \_\_\_\_\_

TESTICLES/TESTES \_\_\_\_\_

VESICULAR GLANDS OR  
SEMINAL VESICLES \_\_\_\_\_

PENIS \_\_\_\_\_

BULBOURETHRAL  
GLANDS \_\_\_\_\_

## PROJECT INVENTORY

List all equipment and assets you had at the beginning of the project. After listing the existing inventory, list those items you purchased after you began the project in reverse chronological order. List only those items that you plan to keep past the end of the project. Examples: Clippers, buckets, blowers, chutes, show boxes, brushes and combs. Do not list expendable items such as feed, shampoo and conditioner.

There are several ways to calculate depreciation. For this Record Book, you will use Straight Line Depreciation. Depreciation is defined as the decrease in value of items used over time. Each year, your inventory loses part of its original value. Items depreciate as soon as they are purchased and year should be determined from fair to fair. This is the formula to be used, and you will assume that the object will have zero value at the end of its life:

$$\text{Initial Cost of Asset} - \text{Residual Value at End of the Project} = \text{Yearly Depreciation} \\ \text{Useful Life of Asset in Years}$$

Example:  $\$300 \text{ Purchase Cost of Clippers} - \$0 \text{ Value in 5 Years} = \$60 \text{ depreciation expense each year}$

5 Years Expected Life

Initial Value: \$300; Year 1: \$240; Year 2: \$180; Year 3: \$120; Year 4: \$60; Year 5: \$0

ITEM DESCRIPTION	DATE ACQUIRED	PURCHASE COST OR VALUE	EXPECTED LIFE OF ITEM	NUMBER OF YEARS OF USAGE	VALUE AT BEGINNING OF CURRENT YEAR OF PROJECT	DEPRECIATION DEDUCT FROM THE ITEM'S VALUE	VALUE AT END OF CURRENT YEAR OF PROJECT
A	B	C	D	E	F	G	H
Ex: Blower	12/2016	\$394.95	Est. life of 10 years	2	\$355.45 <i>Project start: 5/2017</i>	Yearly depreciation: \$39.50 (round up)	\$315.95 11/2018
Ex: Clippers	3/2/2017	\$239.95	Est. life of 5 years	2	\$191.96 <i>Project start: 5/2017</i>	Yearly depreciation: \$47.99	\$143.97 11/2018
Ex: Bucket	7/18/2018	\$19.98	Est. life of 2 years	1	\$19.98 <i>Project start: 5/2017</i>	Yearly depreciation: \$9.99	\$9.99 11/2018
Ex: Show Box	9/23/2018	\$525.00	Est. life of 5 years	1	\$525.00 <i>Project start: 5/2017</i>	Yearly depreciation: \$105.00	\$420.00 11/2018
	<b>TOTALS</b>	\$1,179.88			\$1092.39	\$202.48	\$889.91



# PROJECT INVENTORY

ITEM DESCRIPTION	DATE ACQUIRED	PURCHASE COST OR VALUE	EXPECTED LIFE OF ITEM	NUMBER OF YEARS OF USAGE	VALUE AT BEGINNING OF CURRENT YEAR OF PROJECT	DEPRECIATION DEDUCT FROM THE ITEM'S VALUE	VALUE AT END OF CURRENT YEAR OF PROJECT
A	B	C	D	E	F	G	H
	<b>TOTALS</b>				\$	\$	\$

# PROJECT INVENTORY

ITEM DESCRIPTION A	DATE ACQUIRED B	PURCHASE COST OR VALUE C	EXPECTED LIFE OF ITEM D	NUMBER OF YEARS OF USAGE E	VALUE AT BEGINNING OF CURRENT YEAR OF PROJECT F	DEPRECIATION DEDUCT FROM THE ITEM'S VALUE G	VALUE AT END OF CURRENT YEAR OF PROJECT H
	TOTALS FROM PREVIOUS PAGE	\$			\$	\$	\$
	TOTALS	\$			\$	\$	\$

**VALUE OF BEGINNING INVENTORY - COLUMN F: \$** \_\_\_\_\_  
**TOTAL DEPRECIATION - COLUMN G: \$** \_\_\_\_\_  
**VALUE OF CLOSING INVENTORY - COLUMN H: \$** \_\_\_\_\_





# NON-FEED EXPENSES

List amounts in columns by month. Include descriptions. This page can be duplicated.

<b>MONTH AND YEAR</b>	<i>Ex: August 2015</i>							
<b>VETERINARY SERVICES</b>	<i>\$150 for home visit</i>							
<b>MEDICATIONS/ OTHER TREATMENTS</b>	<i>\$25 for antibiotics</i>							
<b>BEDDING</b>								
<b>REGISTRATION FEES</b>	<i>\$15 entry fee for I/CF</i>							
<b>HOUSING/RENT/ LEASING</b>								
<b>CLIPPING/ SHEARING FEES</b>								
<b>TRANSPORTATION</b>	<i>\$10 gas to take animal to tagging</i>							
<b>ADVERTISING/ MARKETING</b>	<i>\$10 for stamps, envelopes for letters</i>							
<b>OTHER - PLEASE SPECIFY</b>								
<b>MONTHLY TOTAL</b>	<b>\$210.00</b>	\$	\$	\$	\$	\$	\$	TOTAL:
<b>TOTALS:</b>								

# NON-FEED EXPENSES

List amounts in columns by month. Include descriptions. This page can be duplicated.

<b>MONTHLY TOTAL</b>	\$	\$	\$	\$	\$	\$	TOTAL:
<b>OTHER - PLEASE SPECIFY</b>							
<b>ADVERTISING/ MARKETING</b>							
<b>TRANSPORTATION</b>							
<b>CLIPPING/ SHEARING FEES</b>							
<b>HOUSING/RENT/ LEASING</b>							
<b>REGISTRATION FEES</b>							
<b>BEDDING</b>							
<b>MEDICATIONS/ OTHER TREATMENTS</b>							
<b>VETERINARY SERVICES</b>							
<b>MONTH AND YEAR</b>							<b>TOTALS:</b>

## FEED EXPENSES

Using the examples below, enter your feed data in the table. Carry over your information to the following page. You may add additional pages.

MONTH	POUNDS OF HAY OR ROUGHAGE AND COST	POUNDS OF GRAINS AND COST	POUNDS OF MINERALS/SUPPLEMENTS AND COST	OTHER (SPECIFY) AND COST	MONTHLY TOTALS
<i>Ex #1: 9/15</i>	<i>Hay 40#  \$7.00</i>	<i>17% sheep 200#  \$12.45 per bag x 4</i>	<i>Supplements 40#  \$35.00</i>	<i>n/a</i>	<i>280#   \$91.80</i>
<i>Ex #2: 10/15</i>	<i>200#</i>	<i>Showpig 709 200#  \$99.96</i>	<i>Depth Charge 25#  \$13.99</i>		<i>225#   \$113.95</i>
<b>TOTAL POUNDS FED:</b>	#	#	#	#	#
<b>TOTAL COST OF FEED:</b>	\$	\$	\$	\$	\$





## PROJECT ENTERPRISE SUMMARY

### OTHER INCOME

List income from your project, such as premiums from jackpot shows, fairs, or other money earned. If you have no other income from your project, then enter zero.

DATE	DESCRIPTION	TOTAL
<b>TOTAL</b>		

### SPONSOR INCOME

List income from sponsors in the chart below. If you do not receive financial support from a sponsor, then enter zero.

DATE	DESCRIPTION	TOTAL
<b>TOTAL</b>		

### SPONSOR DONATIONS

List donations of supplies, transportation, equipment, and other items below.

DATE	DESCRIPTION
9/13/15	<i>Club leader transported animal to jackpot show in trailer.</i>

# PROJECT ENTERPRISE SUMMARY

Complete the financial summary for this project year in the charts below:

INCOME		REFER TO PAGE 17	
PRODUCTION AND OTHER INCOME			
SPONSOR INCOME			
<b>TOTAL:</b>		<b>\$</b>	
EXPENSES		REFER TO PAGES 9 - 10, 13 - 16	
TOTAL DEPRECIATION			
TOTAL NON-FEED EXPENSES			
TOTAL FEED EXPENSES			
<b>TOTAL:</b>		<b>\$</b>	
<b>PROFIT OR LOSS</b>	=	TOTAL INCOME	-
			TOTAL EXPENSES
			= \$

## BREEDING PROGRAM REVIEW

Using a Body Condition ranking accepted for your project animal's species, score your animal, provide a description, and discuss how unhealthy body conditions affect breeding programs.

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What traits would you like to see in the offspring of your breeding animal and why?

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Define the following terms:

1. Gestation length: \_\_\_\_\_
2. Estrous cycle: \_\_\_\_\_
3. AI: \_\_\_\_\_
4. Expected Progeny Differences: \_\_\_\_\_
5. Adjusted Performance: \_\_\_\_\_











