

Name of Project	Years in This Project
·	· ·
Name of Member	Vears in 4-H









A Closer Look at Records - Livestock Project Insert

A Closer Look at Alaska 4-H - Livestock Project Insert is a guide to assist 4-H members in completing the Alaska State 4-H Livestock Project Insert.

Recordkeeping is a skill necessary throughout life. Good recordkeeping practices can save a person time, money and even stress.

Begin with the *Livestock Project Insert* at the time you start your project work. It's important to write your goals before you commence — what you want to learn, or do in your project. These goals will give you and your 4-H leader an idea of where to start. You should have a *Livestock Project Insert* for each 4-H project completed.

The key to success in recordkeeping is to write down the information in the *Livestock Project Journal* as you go along. Making an entry in your journal may not seem important at the time, but later on it will help you write your 4-H story, will help you count up how much time you spent on a project, and may just help you remember a special time with your livestock project or with your club. Think of your *Livestock Project Journal* as a diary. Diaries are informative and often entertaining to look back at!

Good luck with your 4-H recordkeeping! Remember, if you have questions, you can ask for help from an experienced 4-H'er, a 4-H leader or Cooperative Extension Service 4-H staff.

Marla Lowder 4-H/Youth Development Extension Agent

4-H LIVESTOCK PROJECT INSERT: Page 1

Use the *Livestock Project Insert* for livestock related projects. Complete page 1 at the beginning of the project.

Name of Project

For each project you are enrolled in, you will need a separate *Livestock Project Insert*. At the top of each one, write the name of project that insert is for. An example would be: "Finished Beef." If you have another project, an example on a separate insert would be: "Market Turkey."

Name of Member

Write your name.

Years in This Project

How many years have you taken this particular project? If it is your first year, put one; second year, two; and so on.

Years in 4-H

How many years have you been enrolled in 4-H? How many years have you accumulated as a 4-H member? If you took a year or two off, that's OK. Write the number of years accumulated. (This num-

Alaska 4-H

Livestock Project Insert

Name of Project Years in This Project

Name of Member Years in 4-H

We are Alaska 4-H — Your first class at UAF

ber should agree with "Year in 4-H" on your 4-H Member Enrollment Form.)

INSTRUCTIONS: Page 2

General information on record book completion.

PROJECT COMMITMENT: Page 3

This is where you express your goals for the project. What do you want to do and learn? An example would be: "In my Market Swine Project, I want to learn how to improve my showmanship skills. There are many ways to train a pig to drive forward or turn in the ring. This year I would like to focus on methods to train my pigs to follow the showstick."

Complete this part in the beginning so you will have a direction. Sign and date it.

This Is What My Parent(s)/Guardian/leader Agreed to Do to Help Me learn:

In this section your parent(s)/guardian will write what they will do to help you achieve your goals for the project. This could include driving you to

Name of Project	Years in This Project
Name of Member	Years in 4-H
Project Commitn	nent
This is what I want to do and learn (include description of animake, skills you want to learn, etc.):	nals you plan to have, items you hope to
Member Signature	Date
This is what my leader agreed to do to help me learn:	
Leader Signature	 Date
This is what my parent(s)/guardian agreed to do to help me lea	rn:
Parent(s)/Guardian Signature	Date

project meetings, assisting in learning a skill or helping figure the cost of the project. They will then sign and date it. The purpose of this page is to make you think about what you really want to accomplish in this project, how you will do it and with what kind of help. With it written down and signed, you have made a contract with yourself about what you plan to achieve in this project.

For some of you, your project leader may be your parent(s)/guardian, so this section and the next may be the same. The leader needs to write what he/she is willing to help you do. For example, "I will hold project meetings to teach about raising and showing swine." The leader needs to sign and date it.

EXPENSE JOURNAL: Page 4

The "Supplies Record" is where you will write a description of non-feed supplies purchased. The "Feed Purchase Record" is where you will write a description of feed types and amounts purchased, including mineral supplements. An example would be: the date of purchase, the brand/manufacture's name with

	Expense Journal	
UPPLIES R		
DATE (M/D/YY)	DESCRIPTION OF NON-FEED SUPPLIES PURCHASED	Cost
EED PURC	TOTAL HASE RECORD:	
		Cost
	HASE RECORD: DESCRIPTION OF FEED TYPES AND AMOUNTS PURCHASED,	Cost
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	HASE RECORD: DESCRIPTION OF FEED TYPES AND AMOUNTS PURCHASED,	Cost

the description of the feed or supplement (example: Brand Name, Swine Concentrate 40% Protein, 50 lbs.), and the purchase cost. Be sure to total the costs at the bottom of the page.

ANIMAL WEIGHT RECORD: Page 5

The purpose of the "Tanana District 4-H/FFA Animal Weight Record" is to help you monitor your project animal(s) health and growth development. Keeping track of weight gain or weight loss will assist you to care for your project animal(s). Examples of why knowing your project animal(s) weight would be helpful are: to determine amounts of feed needed; determine appropriate dosages for vaccinations, medicine, wormers, and parasitic applications; determine if the animal(s) are of a mature size for breeding; determine if the animal(s) rate of gain is on track to reach finished weights appropriate for slaughter; etc.

NOTE: Use a Separate "Weight Record" Per Project Animal

	·			ID/Tag	#	-
Date (m/d/yy)		ED: WEIGHT TAPE, OTHER	WEIGHT DESCR OFFICIAL FAIR,	IPTION: BIRTH, P END OF PROJECT	URCHASE/START, OTHER	WEIGHT
		Anima	l Weight (Graph		
+						

Date

Write down the month, day and year of when you weigh your project animal(s).

Method Used: Weight Tape, Scale Type, Other Describe the method used to weigh your project animal(s).

Weight Description: Birth, Purchase/Start, Official Fair. End of Project, Other

Write a description to explain why you weighed your project animal. Examples could be: "Project Weight at possession," "Project Weight Check," or "Official 4-H Market Weigh In."

Weight

Record the weight and label the unit. Example would be: 35 lbs. or 273 pounds.

PROJECT ANIMAL VETERINARY RECORD AND PROOF OF VACCINATION: Page 6

Include a copy of this form for each animal. The purpose of the "Project Animal Veterinary Record" is to help you keep track of any injuries, illnesses,

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		prior	Cost			35	prior	Cost			
ID/Tag #	mal)	ithdrawal periods with illness/extern	Dose		TOTAL	ery day vet che	ithdrawal periods h illness/external	Who Administered			TOTAL
	ıch ani	ation w imal(s) 1	ŏ		+	ıl deliv	ation w al(s) wit	ENTED			
	se forms for ea	ollow drug/medic at the fair. Any ani				copy for anima	ollow drug/medic he fair. Any anima	DESCRIPTION/ DISEASE(S) PREVENTED			
	y of the	mal(s). F g barns a	L			Book -	mal(s). F oarns at t	Dose			
äi	clude a cop	se in meat ani before enterin	PRODUCT			l in Record	se in meat ani fore entering b	EXPIRATION			
Animal Name:	ords (In	pproved for u nal parasites				eep origina	pproved for u I parasites be	Lor No.			
ΑA	Project Animal Veterinary Records (Include a copy of these forms for each animal)	If raising a market animal(s), do not use drugs/medications that are not approved for use in meat animal(s). Follow drug/medication withdrawal periods prior to fair/project completion. All animal(s) with lilness/external parasites before entering barns at the fair. Any animal(s) with illness/external parasites may not remain on the fairgrounds.				Animal Proof of Vaccination Record (keep original in Record Book - copy for animal delivery day vet check)	If rasing a maket animal(s), do not use drugs/medications that are not approved for use in meat animal(s). Follow drug/medication withdrawal periods prior to fair/project completion. All animal(s) will be inspected for illness/external parasites before entering barns at the fair. Any animal(s) with illness/external parasites may not remain on the fairgrounds.	MANUFACTURER			
	imal Vet	e drugs/medica () will be inspec ounds.	DESCRIPTION OF WHAT WAS DONE			ccination	e drugs/medica vill be inspected	MEDICATION IN FEED			
reed	oject An	If raising a market animal(s), do not use drug to fair/project completion. All animal(s) will I parasites may not remain on the fairgrounds.	RIPTION OF W			oof of Va	If raising a market animal(s), do not us fair/project completion. All animal(s) v may not remain on the fairgrounds.	PARASITE CONTROL			
Animal Species and Breed	Pr	ket anima ompletion ot remain	-		_	al Pro	ket anims ipletion.	VACCINE			
I Specie		g a marl project c s may n	DATE (M/D/YY)			ni mi	g a marl ject corr t remain				
Anima		If raisin to fair/p parasite	DATE (<	If raisin fair/pro may not	DATE (M/D/YY)			

vaccinations, parasite control, vitamins/minerals, castration, dehorning, medication in feed, etc.

If you did not have anything to record on this form write "not applicable" or "none given" to help explain the blank form.

NOTE: If raising a market animal(s), be sure you do not use any drugs or medications that are not cleared for use in meat animal(s) and follow drug withdrawal periods prior to livestock market auctions or slaughter.

ACTIVITY JOURNAL: Page 7 and 8

The purpose of the "Activity Journal" is to help you keep track of time spent with your animal; changes in feeding, exercise and training routines; work on animal pens, and other activities related to your animal project. When you complete the project, there will be a record of what you have done. The key to success in this section is to complete it as you go along. Additional "Activity Journal" pages may be added if needed.

	Activity Journal	
Date (m/d/yy)	Time spent with animal; changes in feeding, exercise and training routines; work on animal pens; etc.	TIME (MINUTES)
	SUBTOTAL	
	7	
	1	

Date

Write down the month, day and year of the activity. It is best to do this at regular intervals, such as once a week or at the end of a project meeting.

Activity Journal Description

Write a description of what you did that is related to your livestock project. An example would be: "I tagged my steers, gave vaccinations, took photographs, and weighed my steers using the Heart Girth X Heart Girth X Body Length /300 =Pounds measurement method."

Time

Record the amount of time you spent on your activity. Examples could be: "I spent 15 minutes feeding and watering my steer," "The project meeting to learn about shearing sheep was 60 minutes," or I worked on my poultry showmanship presentation for 30 minutes." Add the total time at the bottom of the page.

PROJECT FINANCIAL SUMMARY: Page 9

The "Project Financial Summary" fits most projects. There will be some projects in which you enroll that may not involve materials, expenses, or income. If you believe this to be the case, write at the top of the page, "Does not apply to this project."

Beginning Value

The lines at the top of the page are provided for you to list any materials, animals, and equipment that you had at the start of your project year or carried over from previous years. To complete this section, write the *date* you are making the entries. List and describe things you already have that you use for the project. Indicate with a number *how much/how many*. Next list the *monetary value* of the item(s) in dollars and/ or cents.

Income/Value

If you sell any equipment or project items during the course of the time you are involved in the project, record it on the appropriate line. Also include 4-H exhibition show premiums, fair premiums, and other project related earnings.

NOTE: Income that is specific to 4-H District events may be listed in the "Other" line.

Total Income from Project

Add up all the above lines in the "Income/Value" section and write the amount.

Costs

(Use Livestock Project Insert Records to Help Complete the Costs)

If you purchase any supplies, equipment or have other expenses related to your project, record them on this line. You may also note this in your "Activity Journal." Examples would be describing time spent to purchase animals or feed.

Total Cost of Project:

Add up all the lines in the "Costs" section and write the amount.

Profit (Subtract Costs from Income)

The next step is to subtract the costs from the income if the income is greater than the costs.

In this case you will show a profit. Write this amount on the profit line.

DATE	Ітем	How MA	
		OTALS	\$
Income/			
	Beginning value \$		
	Sale of animal or product		
	Sale of equipment		
	Fair and show premiums		
	Other		
	Total income from project	\$_	
Costs (pr	roject journal)		
	Cost of supplies/equipment \$		
	Cost of feed		
	Veterinary care/medications		
	Initial cost of animal(s)		
	% Sale fee (if market animal)		
	Other		
	Total cost of project	\$_	
Profit (su	ubtract costs from income)	\$_	
Cost of p	project (if costs are greater subtract income from costs)	\$_	
Total tim	ne spent on project (project journal)	-	
	9		

Cost of Project (if Costs are Greater Subtract Income form Costs)

If costs are greater than the income, subtract income from costs and write the amount on the line provided.

Total Time Spent on Project

(Use Livestock Project Insert Activity Journal Time Records to Help Complete the Total Time Spent on the Project)

The last piece of information requested on the "Project Financial Summary" is "Total Time Spent on Project (from "Activity Journal"). This information will be come from the "Activity Journal." The "Project Financial Summary" is dependent on what is recorded in the "Activity Journal," making both of these important parts of the 4-H *Livestock Project Insert*.

RATE OF GAIN WORKSHEETS: Pages 10 and 11

Successful Market Livestock Projects include enough information about how much weight is gained, how much feed is consumed, how efficiently feed is used and how much money is spent and earned for you to

Rate of Gain Worksheets
Successful Market Livestock Projects include enough information about how much weight is gained, how much feed is consumed, how efficiently feed is used and how much money is spent and earned for you to judge the success of your project this year and plan improvements for future projects.
A. The rate at which an animal gains weight can be calculated from your weight records.
AVERAGE DAILY GAIN (ADG) = Weight gained(lbs) divided by $\#$ of days fed = Pounds gained per day(lbs/day)
Example: A calf weighed 90 lbs when purchased and it weighed 290 lbs after feeding it for 100 days.
Weight gained = 290 lbs - 90 lbs = 200 lbs
ADG = 200 lbs divided by 100 days = 2 lbs/day
Question: Is ADG in May the same as ADG in July? Can you change your ADG?
Boxes 1 & 2 are for large livestock. Box 3 is for small livestock (poultry, rabbits, cavies)
(1) <u>Calculate your animal's ADG</u> from possession (date) until weigh-in: (date)
lbs gained divided by days =lbs/day
(2) <u>Calculate your animal's ADG</u> from weigh-in (date) until fair weigh-in: (date)
lbs gained divided by days =lbs/day
(3) Small stock only — Calculate your animal's ADG:
weight at fair divided bydays of age =lbs/day
B. The amount of feed an animal eats per day can be calculated from your feed records.
AVERAGE DAILY FEED INTAKE (ADFI) = Total feed (lbs) divided by # of days fed = pounds consumed per day (lbs/day)
Example: A pig ate 550 lbs of feed (including pig chow, grain, concentrates, milk solids, etc.) in a period of 100 days.
ADFI = 550 lbs divided by 100 days = 5.5 lbs of feed consumed per day
Question: Why is ADFI different from ADG?
Calculate your animal's ADFI;
lbs total feed divided by days fed =lbs/day

judge the success of your project this year and plan improvements for future projects. Use information from your "4-H Livestock Project Insert" to complete your Rate of Gain pages.

NOTE: The "Rate of Gain Worksheets" fit most projects. There will be some projects in which you enroll that may not be applicable. If you believe this to be the case, write at the top of the page, "Does not apply to this project."

	Rate of Gain Worksheets
C.	The amount of feed required for each pound an animal gains can be calculated from weight and feed records.
	$\label{eq:FEDCONVERSION} FED CONVERSION (FC) = Total feed (lbs) \ divided \ by weight gained (lbs) = Pounds \ eaten \ per \ pound \ gained (lbs/lb)$
	Example: A goat ate 150 lbs of feed (hay, grain, goat chow, concentrates, milk solids, etc.) during a period of 100 days. It weighed 30 lbs when purchased and it weighed 80 lbs after 100 days.
	Weight gained = $80 \text{ lbs} - 30 \text{ lbs} = 50 \text{ lbs}$
	FC = 150 lbs total feed divided by 50 lbs weight gained = 3 lbs of feed consumed per lb gained
	Question; Do you want your FC to be a big number or a little number?
	Calculate your FC:
	lbs total feed consumed divided bylbs weight gained =lbs fed/ lb gained
D.	The amount it costs for each pound gained by an animal can also be calculated from feed and weight records.
	FEED COST PER POUND OF GAIN= Cost of feed divided by weight gained (lbs) = \$/lb
	Example: A turkey ate two bags of turkey feed, which cost \$25 (\$12.20 per bag). It weighed ¼ lb when obtained and it weighed 25 and ¼ lb at the end of the project.
	Weight gained was 25 lbs.
	Feed Cost= \$25 (total feed cost) divided by 25 lbs (weight gained) = \$1 cost per pound
	Question: Can you change your feed cost per pound of gain?
	How?
1	
	Calculate your feed cost per pound of gain:
	\$feed cost divided bylbs weight gained = \$/lb

PROJECT HIGHLIGHTS: Page 12

"Project Highlights "are to be written when your project is completed. The purpose of the "Project Highlights" is to help you evaluate your growth in the project.

What Was Learned

The first section tells you to write about what was learned. The instructions direct you to include "at least SIX NEW things learned this year" in your project. What was learned could be knowledge ("I learned how to flip a rabbit on its back for showmanship"). What was learned could also be a skill ("I

learned how to trim goat hooves"). You could also include something you discovered about yourself ("I learned I really like sharing what I know with young children," "I learned that with practice I am becoming more comfortable talking in front of my 4-H Club"). You may describe feelings, emotions, values.

Unusual Events, Successes or Problems Solved

The second section asks you to write about unusual events, successes or problems solved. This is where you would highlight something about your project. An unusual event could be that you went to a live-stock judging class and learned about placing market swine. A success could be you were awarded your first blue ribbon at the fair or you presented your first demonstration at a public presentation event. If you had any problems with your project, you would want to mention them in this section.

To Do Differently Next Time

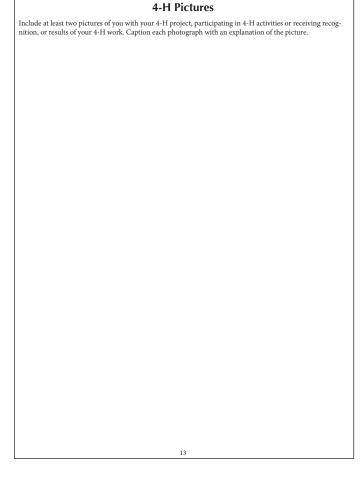
The final section under "Project Highlights" offers you the opportunity to tell about what you will do differently next time. If you had a problem with your project, what will you do to solve it next year if you take the project again? If you had great success with

Project Highlights
What was learned? Include at least SIX new things learned this year:
Unusual events, successes or problems solved:
To do differently next time:
12

your project, what will you do to challenge yourself next time? The purpose of this section is to help you evaluate what you've done and what you could do to either change or improve in your project work.

4-H PICTURES: Page 13

The picture section offers you the opportunity to present photographic documentation of your project work. This page is where you include pictures of your 4-H project, participating in 4-H activities or receiving recognition, or results of your 4-H work. Caption and date each photograph with an explanation of the picture.



After you complete the Alaska 4-H Record Book and one or more Project Inserts, Your Record Book is complete! Congratulations!

Alaska 4-H Record Book Scoring Rubric:

Use the following scoring rubric to help fill out the record book. This document will help you to know what is required of you depending on your age to receive a 100% on your record book when scored.

Alaska 4-H Record Book Scoring Rubric

Youth Name:

General Records	Poor	Fair	Good	Excellent	Score	Comments
	0 points	3 points	7 points	10 points		
Title Page	Not filled out.	Partially filled out. Some information missing.	Title page completely filled out, but ongoing history is not.	Page completely filled out.		
4-H Leadership	0 points	5 points	10 points	15 points		
Senior	No leadership activities	At least 3 leadership	At least 4 leadership	5 or more leadership		
	included.	incompletely described.	described completely.	described completely.		
Intermediate	No leadership activities	At least 2 leadership	At least 1 leadership	More than 2 leadership		
	included.	incompletely described.	described completely.	described completely.		
Junior	No leadership activities included	At least 1 leadership activity is listed, but	At least 1 leadership activity is listed and	More than I leadership activity is listed and		
;		incompletely described.	described completely.	described completely.		
4-H Public Presentations	0 points	5 points	10 points	15 points		
Senior	No public presentation given.	1 Public presentation listed but not fully described or presentation given to an audience of 1- 2 people.	1 Public presentation At least 1 public listed but not fully presentation described and given to an given to an audience of 1- people.	4 or more public presentations fully described. At least 2 presentations given to an audience of over 5 people.		
Intermediate	No public presentation given.	Public presentation listed but not fully described or presentation given to an audience of 1-2 people.	At least 1 public presentation listed and fully described.	2 or more public presentations fully described. Presentations given to an audience of over 5 people.		
Junior	No public presentation given.	At least 1 public presentation listed and fully described.	At least 1 public presentation listed. Presentation given to an audience of over 5 people.	2 or more public presentations listed and fully described.		
4-H Citizenship/ Community Service	0 points	5 points	10 points	15 points		
Senior	No community service listed	2 community service listed.	4 community service activities listed and fully described.	6 or more community service activities listed and fully described.		
Intermediate	No community service listed	1 community service listed.	3 community service activities listed and fully described.	4 or more community service activities listed and fully described.		
Junior	No community service listed	l community service listed.	2 community service activities listed and fully described.	3 or more community service activities listed and fully described.		
			Updated 1/20/21			Page 1 of 2

Alaska 4-H Record Book Scoring Rubric

General Records	Poor	Fair	Good	Excellent	Score	Comments
	0 points	5 points	10 points	15 points		
4-H Events Attended	No events listed.	1 or 2 events listed.	3 or 4 events listed with complete descriptions.	5 or more events listed with complete descriptions.		
4-H Story	0 points	5 points	10 points	15 points		
Senior	No 4-H story included.	Less than I page, doesn't fully describe bullet points on page.	Less than 1 page, doesn't hypewritten, story does not fully describe bullet points on page. Equivalent to 2 pages for the page and bullet points on page. Equivalent to 2 pages for the page and bullet points on page.	Equivalent to 2 pages typewritten, story fully describes bullet points on page.		
Intermediate	No 4-H story included.	Less than 1/2 page, doesn't fully describe bullet points on page.	Equivalent to 1/2 page typewritten, does not fully describe bullet points on page.	Equivalent to 1 page typewritten, story fully describes bullet points on page.		
Junior	No 4-H story included.	l sentence story.	2 sentence story.	3 or more sentence story.		
	0 points	2 points	3 points	5 points		
Comment Page	All signatures are missing.	2 signatures are missing.	One signature is missing.	All signatures are present.		
	0 points	3 points	7 points	10 points		
Record Book Neatness/Organization	Incompletely filled out. Information missing. Book sloppy.	Incompletely filled out. Information missing. Book Entries appear to be made sloppy. Partially filled out, Completely filled out, and shows effort.		Completely filled out, neat, presentable and shows effort. Grammar and punctuation are good. Securely bound with binder.		
	0 points	2 points	3 points	5 points		
Bonus Points	No non 4-H activities listed.	1-2 non 4-H activities listed.	3-4 non 4-H activities listed.	5 or more non 4-H activities listed.		
Senior Ages 15-18; Intermediate Ages 12-14; Junior Ages 8-11	es 12-14; Junior Ages 8	8-11		Subtotal		100 possible points
				Bonus		5 possible bonus points

A score given in each area can be any points within the range and can even be half points. Example would be for good 4-7 points a 5.5 could be given.

5 possible bonus points 105 possible total points

Total

Updated 1/20/21







The Motto

To make the best better.

The 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, my country, and my world.

The Slogan

Learn by doing.





www.uaf.edu/ces or 1-877-520-5211

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