



Angora Goat Wether Competition Project Record

Years 7–9 students

What is your name?.....

How old are you?.....

Who is your teacher?.....

Type of competition:.....Wether.....

Paraders.....

Young Judges.....

When did you start this project? Month.....

Day.....

Year.....

When did you finish the project? Month.....

Day.....

Year.....

Signed off.....Date.....

All about my goat

My goat's name is.....

My goat is a

My goat has a tattoo number: right ear:left ear:

My Goat has a tag: number:NLIS no.

My Goat was born: Month.....

Day.....

Year.....

My goat weighedkilos at birth OR

My goat weighedkilos when he was brought to the school

The breeder of my goat is

Stud name.....

Insert a photo of my goat

Show day photos

Records I keep on my goat

Do I have good fencing?

Do I have good shelter?

Do I have yards to handle my goat?

Do I have equipment to do basic husbandry things like:

- foot pairing.....
- drench gun.....
- a syringe and the right-sized needle to vaccinate my goat.....

Do I have a daily feed ration plan for feeding my goat?

Do I use a weekly weights graph?

If my goat is sick, what do I do?

What medicines were given to my goat?

List any drenches that were given to my goat.

Record any visits made by a veterinarian to my goat.

If my goat was sick what did I do?

Was your goat ever sick?.....yes.....no

What was your goat sick with?

What did you do when your goat was sick?

What medicine did your goat need to make them well again?

.....
.....

What was the name of your veterinarian? Dr.....

What were some of the things he/she did to examine your goat?

.....
.....
.....

Medical record of medicines given to my goat

Injections:.....Type.....Date given.....

Injections:.....Type.....Date given.....

Injections:.....Type.....Date given.....

What are parasites?

.....

Some of the parasites that goats can get are worms.

What type of worms?

Can I do a worm test to see what worms my goats has?

My goat has been diagnosed with coccidia. What is it?

.....

Lice are external parasites. How do I treat my goat for lice?

.....

Type of oral medicine	dose given in mls	Date
.....
.....
.....

Feeding my goat

My goat is a ruminant. Unlike me, he chews his cud.

I have watched my goat chew his cud. I have seen a cud.

Unlike me, he has four parts to his stomach. One of the sections is the rumen where food is fermented by tiny bugs or microorganisms.

I have smelled my goat's breath to see how bugs produce stinky gases when they digest food.

Roughage is food that is high in fibre. I have scraped grass with a serrated plastic knife to find the fibre in the grass.

I know a tree is a browse for goats. Which one is safe and not toxic to goats in my area?

.....

A roughage I feed my goat is:.....

Concentrates are foods that are pre-mixed.

A food I eat is

A concentrate I feed my goat is.....

My grain mixture is I feed my goathay

Animals need protein to grow and live.

I get my protein from

My goat gets protein from

Do angora goats need protein to help grow mohair?

Explain the meat values of an angora goat.

.....

What do my wethers eat daily?

My wether eatskilo of concentrate daily.

The kind of concentrate he eats is:.....

My wether eats.....kilo of hay daily. The hay he eats is

My bale weight aboutkilos per bale. A bale lasts him aboutdays.

My wether also eatsminerals as a block calledOR

Loose lick is called.....

My wether has access to pasture.

The type of pasture is

Collect labels

Add labels from the commercial feed you buy to a sample bag of the feed you give your goat. Be sure to label all of your bags and put on a board, so you can speak about what they are. Include labels of the mineral or licks you give your goat.

Tasks I can do

I can feed my goat.

I can measure the right amount of grain to feed my goat.

I can measure the right amount of hay to feed my goat.

I can water my goat.

I can keep my goat's fleece clean from vegetable matter.

I can keep my goat housing clean from urine and faeces.

I can read a thermometer.

I can take my goat's temperature.

I can drench my goat.

I can halter lead my goat.

I can read a scale to weight my goat.

I have seen a tattoo being done or ear tag used to identify a goat.

I know what castration means.

Can you give an injection to a goat if needed?

Can you drench a goat?

I can tell if a goat is a buck, doe or wether.

Who taught your goat to lead?

Who taught your goat to be tied up?

What are the three signs of a healthy goat?

What are the signs your goat might be sick?

Name the parts of a goat on a goat body.

Can you show these parts on a live goat when asked?

How do I measure mohair growth rates?

Activity: Six months of live body weights, mohair measurements and fat score to be plotted on the spread sheet chart.

Refer Wether Challenge arrival and show checklist - Graph and Feed conversion formula

Understanding meat values

Refer to Fact sheet 12. Understanding meat values-angora goat

Assessment of meat on a goat

Live weight measurement	Fat score of long rib	Body condition score of short rib	Estimated age by mouthing	Goat breed	Sex	Date

Practice on your wether to find and assess your wether’s live weight and fat score throughout the time you have your wether at school.

I have eaten goat meat yes no

I have cooked goat meat yes no

If you have tried goat meat, how did it taste to you?.....

Can you quote any meat language when asked?

Do you know how to find the GR site on your wether?

What is a fat score (FC)?

What is the dressing percentage?

How do I calculate my wether’s dressing percentage into hot carcass weight (HCW)?

Dressing percentage

Dressing percentage is a factor used to describe the carcass weight (meat and bone) based on live weight.

$$\text{Dressing percentage (DP)} = \text{Carcass weight (cwt)} / \text{Live weight (LWT)} \times 100$$

Dressing percentage varies throughout a goat's life and fluctuates depending on the condition of the goat.

Once the dressing percentage and live weight are known or can be estimated with a reasonable degree of accuracy, the carcass weight can be determined:

Carcass weight (CWT) = Live weight (LWT) x Dressing percentage (DP)

For example, a dressing percentage of 45 means that a goat weighing 30kg will dress to 13.5kg of meat and bone and 16.5kg of other products, including the skin, feet, head and gut.

'Yield' is sometimes used to describe the relationship between carcass weight and live weight. Yield is the relationship between carcass weight and the amount of retail product derived from the carcass.

Refer to **Fact sheet 1**. How to critic your wether

Resources: <http://agriculture.vic.gov.au/agriculture/livestock/goats/production>
<http://agriculture.vic.gov.au/agriculture/livestock/goats/production/meat-and-offal-yields-of-goats>

Teaching my wether to be halter Trained: Refer Fact sheets 3 and 4

Week			

Paraders Competition

- Can I keep the wether in between myself and the judge at all times?.....
- Can I stop and set my wether to stand quietly?
- What is a side view?.....
- How do I reverse parade?
- What is a front view?.....
- What side should I be on entering the ring on show day?.....
- If my wether won't lead, what do I do?.....
- What questions will be asked by the judge about my wether?
-
-
-

Summary of my wether goat project (Year 7-9)

The thing I liked the most about this project was:

My biggest difficulty was:

The most exciting thing I learned to do was:

The hardest thing I learned was:

What agricultural public presentations, talks, articles, field days and workshops did you attend?

Signed offDate.....

The following 'How-to sheets' are recommended for seniors students Year 10-12 and are optional. They are included to help give your senior students a better understanding of an angora goat enterprise.

How-to sheet for health records

Was your goat ever sick?.....yesno

What was your goat sick with?

What did you do when your goat was sick?

What sort of medicine was given to your goat?

Is there anything you can do to prevent this illness?

Dates your goat was given vaccines and injections:

Injections:.....Type.....Date given.....

Injections:.....Type.....Date given.....

Injections:.....Type.....Date given.....

My goat was wormed, treated for coccidia, or treated for lice on these dates:

Type of oral medicine	Dose given in mls	Date	Cost
.....
.....
.....
.....

Other health expenses (health certificates, vet call, vet supplies etc)

Treatment	Date	Cost	Treatment	Date	Cost

Total health cost: \$

How-to sheet for feed costs

Date	Type of feed	Kgs fed daily	Cost per kg	Cost per day	Daily cost per animal	# of days fed	Total cost
Total kilos of feed per animal = kilos				Total feed cost per animal =\$			

Instructions:

Note down the date that you start on your new feed ration.

List all of the roughages, bag feeds and mineral concentrates that you feed.

Express the amount eaten daily in kilos.

To figure out the amount of hay consumed, weigh an average bale and calculate how many days it takes to use up a bale.

For example, if your small hay bales weigh about 18 kgs and your goat goes through one in seven days, you are using about 2.5 kgs of hay per day, per wether.

To figure out the cost of hay, take the cost per tonne (1,000 kgs) and multiply it by the kilos fed daily and then divide this sum by 1,000.

If you paid \$150/tonne (there is 1000kg in a tonne so that is equivalent to $\$150 / 1000\text{kg}$) and use 2.5 kgs daily, then you can calculate the following $\$150/1000\text{kg} = \$0.15/\text{kg}$

If each wether eats 2.5kg per day, then the cost per day is $\$0.15 \times 2.5\text{kg} = \$0.38/\text{day}$

When you are feeding hay you will need to know what each bale weighs to calculate the amount each wether is eating and the cost of hay per day

For example, assume you pay \$16 for an 18kg bale of hay

$\$16 / 18\text{kg per day} = \$0.89/\text{kg}$. If each animal eats 2.5kg of hay per day, the cost of hay per wether is $\$2.22$ per day per wether

Alternatively you can calculate the cost of feed by how long it takes for the wether to eat a bale of hay, for example if the wether takes a week (7 days) to eat a bale of hay the cost of hay per day to feed that wether is $\$16/7 \text{ days} = \2.29 per day

If you feed a group of wethers together in the same pen, divide the daily feed costs for that pen of animals by the number of wethers in the pen.

If you pasture fed your goat, indicate how you calculate the daily cost per goat of grazing your pasture:.....

How-to sheet to record other expenses

Date	Item	Quantity	Cost

This should include any equipment you buy, such as things like halters, minerals, show equipment and printing cost that you use during your wether experience.

A good exercise in animal nutrition is to find out the nutritional value of the feed ration that you feed your wether the longest.

You can compare the dry matter energy and protein content of his ration using the Nutritional Requirements for Growing Goats table. You can do the same exercise with your wether mohair growth Ca and P requirements.

How-to sheet for calculating dry matter (DM) feed

Date ration started	Feeds fed	% of dry matter	DM expressed as decimal	Kilos of feed fed daily	Kilos of dry matter fed daily

Total kilos of DM fed per day per wether = _____ kilos

How- to sheet for calculating energy fed to your wether

What form of energy is being calculated?

Net energy.....Digestible energy.....Total digestible nutrients.....

Figures were obtained fromfeed label.....feed tablesfeed analysis (tick all that apply).

Date ration started	Feeds fed	% energy of feed	Energy % expressed as decimal	Kgs of feed fed	Kgs of energy fed daily

Total kgs of energy fed per day per wether = _____ kilos

How-to sheet for calculating protein fed to your wether

What form of protein is being calculated?

Digestible protein.....Crude fat.....Other

Figures were obtained fromfeed label.....feed tablesfeed analysis
(tick all that apply).

Date ration started	Feeds fed	% of protein	Protein % expressed as decimal	Kilos of feed fed daily	Kilos of protein fed daily

Total kilos of protein fed daily per wether = _____ kilos

My wether's performance record

Growth results:

- Kilos of gain (final weight – starting weight): _____
- Total kilos of grain fed: _____
- Number of days fed (days from start date to finish date): _____
- Average daily gain (kilos of grain divided by number of days fed = #1 ÷ #3): _____
- Feed efficiency – How many kilos of grain did you feed for each kilo of gained weight? Kilos of grain fed, divided by kilos of weight gain = #2 ÷ #1): _____
- Total grain costs: _____
- Total hay costs: _____
- Total feed costs: _____
- Feed cost per kilo of gain (feed costs divided by kilos of weight gain = #8 ÷ #1): _____

Show results

Paraders/Showmanship results: _____

Wether placing in team of 3 _____

Individual figures _____ Body weight gain _____ Kilos of mohair shorn _____

Total value _____ Meat value _____ Mohair value _____

My wether's final fat score was _____

My wether's final estimated carcass dressing weight (HCW) was _____

My wether's final dressing percentage was _____

Photos

Senior students project summary

Approximately, how much time did caring for your wether take you every day?

What took the most time?

How did you finance your project?

What was the most exciting new thing you learned to do?

What difficulties, if any, did you have with this project?

What did you enjoy most about your project?

What changes would you like to make next year and/or what changes did you make this year, compared to previous years, to make your project better or more enjoyable?

Signed off _____ Date _____

Senior Students Angora Goat Project Record

Name.....Age.....School year.....

Address.....Town/city.....P.C.....

School name Ag Teacher's name

This record is suited for Years10-12 in agricultural studies. By keeping records up to date throughout the six-month period of time, you will be able to see the progress you make as you set goals and work to accomplish them.

Write clearly. If you need help, ask your teachers or breeders for support. Add notebook paper to your records if you need extra writing space. All animals in your project are to be included in this record.

The science program objectives are to:

- Develop responsibilities, patience and a pride of ownership by caring for your animals on a daily basis.
- Develop leadership abilities, sportsmanship and the ability to speak in public through participation of goat club activities or school projects, including demonstrations, talks judging events and exhibiting your animals at shows.
- Develop life skills of establishing goals and decision making, and applying science and technology to help others.
- Understand and demonstrate basic animal health, nutrition, breeding and management practices, including animal welfare.
- Select and judge animals and keep records.
- Explore career opportunities in the angora goat industry, and careers in animal science.
- Develop a passion for the animals along with a humane attitude towards them.
- Understand marketing of mohair, meat products consumption and utilisation of mohair and meat products.

Supply photo of wether

My project plans

Indicate what new things you plan to do and learn in the time period of your wether project:

.....
.....
.....
.....

SignedDate.....

My Angora Goat Summary

Animal inventory and show record

Animal's name	Tag No#	Date born or date of arrival	Value at the start of the project	Was the animal kept at the school?		Value at the end of the record	Show record	
					Date returned to breeder		Where	Result
			\$					
			\$			\$		

Product Income

Fill In total production information for the production class results

Animal' name	Shearing date	Mohair weight	Mohair Type	Value	Meat Value	Live weight	Meat value	On the hook
		Totals						

Describe how fleece products are used for mohair, such as cloth making (weaving) or knitting.....

Feed record

Show the total of feed fed to your wether from date.....to

	Amount	Value
Hay		
Grain		
Minerals		
Total cost of feed		

My other project expenses

Enter costs of supplies, bedding, veterinarian expenses, marketing, registration fees, items used from home supply, show expenses entry fees, travel, etc.

Date	Item/s	Cost	Date	Items/s	Cost
				Total other expenses	\$

Financial summary

Income	Expenses
Total income	Total expenses

My Angora goat wether project experience:

.....
.....
.....
.....

What I learnt that was new:

.....
.....
.....
.....

How I helped other students in the project:

.....
.....
.....
.....

What I enjoyed the most:

.....
.....
.....
.....

My plans for next year:

- 1.....
- 2.....
- 3.....

Optional: space to tell your story:

Project review and comments

Student (name) has completed his/her record and has reviewed them with his/her Ag Teacher (name).....

Activity: Name body parts on an angora goat -



L Carter -Kerri Afford photography

Activity:

Name of Angora goat parts

1.Forehead	10.Thigh -Breech	19.Chest	Mohair classing terms
2.Horns	11.Flank	20.Dewlap	A Main fleece
3.Nape of neck -withers	12.Hock	21.Neck	B. Belly
4.Shoulder	13.Dew claw	22.Jaw	C Breech
5.Backline	14.Pastern	23.Muzzle	D Neck
6.Rib	15.Heel	24.Nostril	E.Short leg
7.Hip –Pin bone	16.Sole	25.Bridge of nose	F Stain- male /female
8.Rump	17Foot	26.Ear	
9.Tail	18.Knee		

Print page, mark the parts of the goat with numbers

Mohair classing mark the areas that are shorn with a line to indicate the area of the body the mohair come from