

Sheep and Goat Basics

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Urban Agriculture and Natural Resources

Josh Campbell



Programs

- Natural Resources
 - Composting
 - Water Quality
 - Recycling
 - Soil Health
- Urban Agriculture
 - Vegetable Gardening
 - Farmers Markets
 - Backyard Poultry
 - Small livestock
 - Beginning Farming

Basic Sheep and Goat Terms

Sheep

Male Sheep = Ram

Female Sheep = Ewe

Young Sheep (generally under 1 year) = Lamb

Group = Flock

Castrated Males = Wethers

<u>Goats</u>

Male Goat = Buck (Buckling)

Female Goat = Doe (Doeling)

Young Goat (generally under 1 year) = Kid

Group = Herd

Castrated Males = Wethers

So you want to raise sheep or goats??

Considerations:

- Do you have the time?
- Do you have the space?
- Does your municipality have ordinances restricting it?
- What is you're your purpose?





"They sure look cute, but how much work will it really take?"

What are your goals?

- Hobby or homestead
- Showmanship (FFA, 4-H, County Fair)
- Farm Business

- Be clear with your goals before getting animals so that you set yourself up for success.
- Use OSU Extension as a resource to help you with your goals.



Hobby and Homestead

- Hobby or homestead animals are popular and can be a fun activity for the family, supplement food or bring in small amounts of income.
- Sheep and goats can make great animals for hobby settings
- Goat milk is popular for consuming or processing into soaps and other products.



Resources

 We have lots of resources. available for hobby farming

 You can access resources online or through our county Extension office. Or at Facts.okstate.edu

More Details at the end of this presentation



Backyard Flock Production

Area Ciremtork Specialist

OKLAHOMA COOPERATIVE EXTENSION SERVICE NREMISES

Moving to the Country?

A relaxed pace of life, pretty scenery, and good relighbors can make you glad you are putting your roots down in rural Oklahoma, Unfortunately moving to the country does not always work out as smoothly as we might wish. This fact sheet is designed to help you get a good start and avoid the most common pitfalls faced by newcomers.

Your Home in the Country

Whether you buy or build, there can be unpleasant and expensive surprises if you do not proceed carefully. Keep in mind that there are generally no regulations on building and landuse gractices in rural areas.

The following chedillat may help you avoid some serious

___ Areas along creeks and rivers are often beautiful but prone to flooding. Be wany of flat areas along creeks and rivers. Rood plains are best left as farmland or to natural vegetation and not used for buildings.

Sometimes food-prone areas are not obvious. They may result from blocked or under-sized culverts down stream. Even a dry branch can food occasionally Ask the reighbors - they usually know the flood-prone areas.

- Educate yourself about the threat of fire to countryside homes by reading the information at www.fireview.org.
- Brush or tall grass dose to a house can pose a serious fire risk. Se especially wary of eastern redoudar trees. Contact local fire authorities for recommendations on how wide a zone to keep deared around your home.
- How many minutes is it from the rearest fire department? Many rural fire departments require membership and annual dues for an emergency call.
- is fee insurance available and affordable? Many insurers will not issue fire coverage on properties if the protection
- is there water available to fight a fire? For farm fire protection, consider providing 20 gallons per minute (gpm) at a pressure of 60 pounds per square inch (psi).

Oklahoma Cooperative Extension Fact Sheets are also available on our website at http://osufacts.okstate.edu

- Are there triendly neighbors to help keep an eye on you place? Or is the house out of sight with easy road access for thieves? Many people believe the best security lies in having a home that is visible from a well-traveled road. but set back some distance from the road.
- Trespensive hunters and malibox vandals are a problem in many areas. Ask the neighbors!
- Security lighting sometimes makes things some by creating glare that discourages looking at an area.

is it "too much house for the neighborhood?" Find out the average size and price of homes in the area. Do not build too expensive a home unless you are prepared to stay a while or take a large loss when you self.

These coeffs insects are attracted to any wood in contact with the ground. Get a good inspection and do not stack. frewood against the house.

Gophers, moles, farontules, and snakes are part of the natural environment. You are moving into their neighborhood, so be prepared to meet them! Initial impressions are often wrong: brantules are harmless, but "beautiful deer" can destroy gardens and omamental plants.

- Sily as it sounds, some people have bought land intending to build a home only to find out that there is no water. If there is rural water, supply is assured, but the cost may be Noter than you expect. Private wells introduce the problems of quantity and quality.
- Does the well yield enough? A bur bedroom home with two bathrooms should have at least 14 gpm that can be sustained for two hours. For more information said to see Midwest Planning Service publication no. 14. 'Private Water Systems Handbook" at the county Sylension office - It is in the Water Quality Reference Notebook

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vents should be placed on sides away from prevailing winter winds: the south or east side is best

in some cases, there may be buildings on the property that can be altered or renovated for the poultry enterprise with a minimum expense. Depending on bird size, space requirements for lawing here will be 1.5 to 2 square feet per bird inside the house. Broilers need slightly less room at 1 square fact per bird.

The type of construction does not need to be elaborate or highly sophializated. However, some backyard producers with limited space prefer pre-designed coops, such as the one shown below.

The poultry house can be used throughout the entire Be-gan of the chickens. For the producer who intends to keep chickens for egg production, but intends to start each new flock with day-old chicks, two houses will be necessary. Separate housing is needed because it is not recommended that birds of significantly different ages be housed together. This is important from a disease standpoint and because diferent ages require different temperatures, fixed and space. To maintain continuous production, the producer may want to curchase started pullets. These are birds approximately 20 weeks old and will start producing eggs soon after being placed in the house.

For those desiring to keep their chickens confined, a run will be recessary to provide sunlight and exercise for the birds. When developing housing for a backyard flock, be sure to construct the poultry coop and runs in a manner that protects birds from invading predators. Depending on bird size, space requirements will be 8 to 10 feet per bird in the



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Showmanship

Showmanship (FFA, 4-H, County Fair)

 4-H and FFA Youth ages 8-18 have the opportunity to participate in showmanship and livestock project. Contact your school agriculture program to learn about FFA or your county Extension office to learn about 4-H.



Resources

 We have lots of resources available on sheep and goat showmanship

 Youth can participate in the fall and spring Oklahoma County livestock shows for the opportunity to win cash prizes and recognition for their effort



Meat Goat Showmanship

OKLAHOMA COOPERATIVE EXTENSION SERVICE ANSI-3863

Sheep Showmanship

Rusty Gosz

Cassie Bacon
Animal Science Student Intern

Showmanship is an exhibitor's ability to most effectively present an animal in a competitive yet positive attitude. A good showman is a person that has a sense or knack for an effective presentation of an animal. Showmanship is the one area of tivestock showing in which the exhibitor has the most control. In showmanship a person is judged on their abilities to control and present their lamb to bring out its best characteristics. Advanced planning, practice, and hard work are keys to becoming a good showman. Lamb showmanship not only generates enthusiasm in the show ring, but also teaches many valuable lessons that can be used in day-to-day life. These lessons include responsibility work ethic, determination to reach a goal, winning graciously, and accepting setbacks with dignity. Winning takes practice at home and can become a neality by winning takes practice at home and can become

Value of Working at Home

In the sheep project, working at home is vital to becoming a accessful showman. All good abowmen start early training and building a bond with their lamb. Once a lamb is wearned, immediately start spending time with your lamb. Talking to or touching the animal while it eats will allow it to get used to you, build trust, and allow it to become more comfortable with you. Plemember that this process takes time and patience.

After the lamb is used to you, the halter breaking process should begin. The key thing to remember when halter breaking is to be extremely careful and ALWAYS watch your animal when it is tied up. If sheep are not watched closely, especially when they are first introduced to the halter, they could hart or even kill themselves.

Here are some helpful hints to assist the initial halter breaking process:

- Start halter breaking early.
- Nylon sheep rope halters work best, are generally the easiest for people to use, and minimizes stress of the animal.
- Adjust the halter so the nose piece is halfway between the eyes and mouth.
- Tie the lamb up for 10 to 15 minutes while touching it all over to get the animal used to you.
- For the first few times you lead your lamb, try walking in the pen and leave more lead than what you would normally use. Do not apply much pressure to the haiter. Simply let the animal get used to the feel of the haiter. The lamb could possibly jump, fall, or twist once the haiter is put on

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the first few times. Just remain patient, and comfort your lamb with voice rewards. Using hay or feed to reward your animal may also be helpful.

- Once your lamb gets used to the halter, you can firm up on your grip when you walk your lamb and choose an area to walk that is not enclosed. Lead your lamb with their head held high, so they walk naturally but still look appealing.
- When releasing your animal, gently remove the halter, maintaining control until you place them into their pen.
 If the animal gets away, they think they can repeatedly do it. Stay calm without jerking the halter away.
- Practice makes perfect—introduce your animal to all the procedures you will be following when you arrive at the show. It is important to set the lamb's feet and legs properly as well as teaching the lamb how to brace. Occasionally, have another person handle your animal the way a judge would, so the animal becomes acquainted with this procedure. Allowing your animal to stand with their head held up high for about 20 minutes a day will teach them to keep their head high and be less stressful when they have to keep their head up in the show ring (Figure 1).

Leading for Exercise

The halter afroutd be properly placed on the lamb's head with the lead rope on the lamb's left side. The halter strap that crosses over the muzzie or noise should be between the eyes and the nose. Rope halters and show halters can be adjusted for proper fit. If the halter is los ownsit, it will get into



Figure 1. Side Profile. A more gentle lamb makes showmanship a much easier task. Working with your lamb at home will get the lamb used to the show atmosphere.

ilahoma Cooperative Extension Fact Sheets are also available on our website at: http://osufacts.okstate.edu

as light pressure on the chain. Let the animal become customed to the feel of the chain. The goat may jump, if or testir when the chain in put on the fort few times, at remain patient, and calm the goat using a scothgittne of voice for massurance. Using hey or feed to ward the animal may also be heldful.

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1 1. Remaining in control of your goat during a will help make your experience more successis training must take place before you get to the

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Business

- Farm Business the end goal is to make a profit. Requires specific planning, budgeting marketing. Opportunities include meat goat and sheep production and goat milk production.
- Markets across the state purchase sheep and goats for meat production. Chickasha has a large meat goat sale each week.
- Resources: OSU Beginning Farmer and Rancher Program (August 2021), OSU Meat Goat Producer Bootcamp (October 2021), OSU Small Farm Business Development Assistance (personalized support), etc.



Resources

 We have lots of resources available on sheep and goat production

 Utilize our Enterprise budget tools and other resources for livestock businesses.

Funding for Small-Scale Farms: Tips for Grant and Loan Proposals

OKLAHOMA COOPERATIVE EXTENSION SERVICE AGEC-267

Damona Doye Farm Management Extension Economist

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OKLAHOMA COOPERATIVE EXTENSION SERVICE ANSI-3856

Starting a Sheep Enterprise

Gerald Q. Fitch

Before getting into the sheep business-sak yourself these questions:

- Do I like sheep!
- 2. Will sheep fit into my current operation?
- What size of sheep operation do I want?
- Do I have adequate facilities to handle the number I want?
- Will I have an adequate feed supply?
 Do I want to lamb in the spring or fail?
- 7. What breeds should I select to achieve my goals?
- 8. When and where can I market my lambs?
- 9. Could I have a predator problem?

Why Raise Sheep?

There are several reasons why you might wartho consider missing sheep in Oktahoma. There are very few states in U.S. that have year-round forage production like Oktahoma. Sheep are more efficient than beef cattle in the convention of forage to retail product. The initial investment required to begin a sheep enterprise is relatively lose. Expensive sheets andhams are not necessary other buildings you already have will provide the dry, class shelter needed by sheep. Sheep production is not limited only to mest production, because wool also provides a portion of the income. Fall lambing in Oktahoma has provided marketing of lambs during the peak of spring lamb prices. These factors have made the sheep operation a very profitable enterprise over the last several years.

Anyone considering getting into the sheep business should consider several things before actually purchasing any sheep. One of the float things to consider is the initial size of the flock. Do you begin with a commercial size took of 200 to 200 exess or a smaller flock of 200 to 30 exes. Of course, the fixed supply assistable will be a major contributing factor in this decision.

Sheep are not difficult animals to raise; however, they do require a higher level of management than beef cattle. Thanstons, it you have never raised sheep before, the first suggestion would be to begin with 50 to 50 ewes and then increase numbers in future years, if the sheep business is to you.

Pasture

Another factor to consider is the kind of pasture available. There are certain kinds of pasture that sheep like, such as sod type grasses that are fairly fire stemmed and high quality. They do not favor coarse grasses such as bluesterns or love. Oklahoma Cooperative Extension Fact Sheets are also available on our website at: http://oxufacts.okstate.edu

grass. Well fertilized and managed bermude grass can be utilized very efficiently with sheep. Such pastures are excilent only during bilay through July. In August and September, adequate dry matter is available; however, the position level in the bermude grass is low and additional protein should be supplemented. In but, five to ten evers per acre can usually be maintained during this period under central and earthern Okiahoma conditions. Buffalb and grams grasses are excited pastures for sheep, but have a lower carrying capacity than bermude grass.

Small grain pastures, such as wheat, ye, and ye grees make excellent that and wither pastures for incitating ease. Many producers working with smaller acreages have begun to over seed their bermuchs pastures in the fall with Mannhall ye grass or wheat to utilize those acreages with year-round lorage. These practices require more intensive management practices, but return good dividends if danc correctly.

Another way to have year-count brage is with the implementation of cool season perennials to your pastures. The USDA APS, Grazinglands Research Laboratory at SRenochas been performing studies on these types of pastures. These cool season grasses begin their hall growth in September and have had crude protein levels ranging from 20 to 25 percent in Cotober. These grasses continue their growth through June and some species appear to maintaining a high crude protein level the resignity of the growing season. These of the nine grasses studied are proving the most branchical for Oklahomaproducers. These grasses include Paiute' orchard grass, Lincoln Smooth Brone grass, and Luna' pubescent wheatgrass.

Another possibility for callie producers is the use of cospecie grazing practices. Callie are way ficisly and on east many kinds of weeds. Sheep, on the other hand, like to browns and very other will eat many different kinds of weeds that callie will not set. Sheep out tog weeds very well and can be grazed with callie. Research has shown that producers can run one to two evers per cow with no additional feed casts and no detrimental effects on native pastures. In fact, many pastures have been improved with co-specie grazing.

Building and Fences

Another factor to consider before entering the sheep business is the assibility of buildings, comais, and fences to adequately protect and control the sheep. Buildings do need to be elaborate, but need to provide adequate space Oklahoma Cooperative Extension Fact Sheets are also available on our website at http://osufacts.okstate.edu

Get a plan on paper Resistrically examine the existing him or potential enterprise and assess goals and priorities, then identity timedates for returns on investments. Make note of prior successes on the term operation and how you issumedrion relatales. This will help you and a funding spency guoge attempts and weaknesses to maximize the impact of additional capital. Several websites other resources to help develop a business plan. Farm Credit University is an ordina course that help it terms undranches develop businessiplans and issum how to work with applicational indirect the properties of the properties of the properties furnished produced to discuss them. Ap Pain feren scales, furnished plan mad business somes develop a business plan. It includes sample business plans, along with tips and reconstance. Ap Pain also allows you to share the plan with business advisors, education or consultates.

Callect or prepare financial statements. Whither assiing a grant or applying for a loan, have documents prepared which show cash flow. Supplement this with a balance sheet, which will summarize existing data and the value of assess. Also note any of-farm income planned to support the business. Extension fact sheets with step-by-step instructions on building financial statements (cash flow, balance sheet, income statement) are available on gardenic darbins adu.

Keep records. This will assist in management of the too previously mentioned practices. Depending on the type of operation, daily, weekly, monthly and annual records of income, expenses, production, purchases and usine of seeks will help you and a lander or great provider make the most informed decision when it comes to funding your operation. The CSU Agricultural Economics Department offers a settley of resources to assist producers in adepting Quicken, as in-expensive personal france achieves tool, for farm and conchiferancial record-seeping (geocon distribute additional department).

Grant Writing Basics

Read the request or call for proposals carefully. Make sure your goals align with the funder's mission. If what you want to achieve doesn't match well with the agency or organization's call for proposals, look elsewhers. If unsure, ask Mostcalls for proposals include contact information. Save yourself time, energy and frustration by avoiding a mismatch early on.

Natural Resources . Oklahoma State University

Division of Agricultural Sciences and Natural Resources - Oklahoma State University

Goat Breeds

Goats breeds generally fall into one of two categories based on there uses:

- Meat Breeds or Dairy Breeds
- In Oklahoma, meat breeds are the most common although dairy breeds are common on hobby farms and small dairy operations.



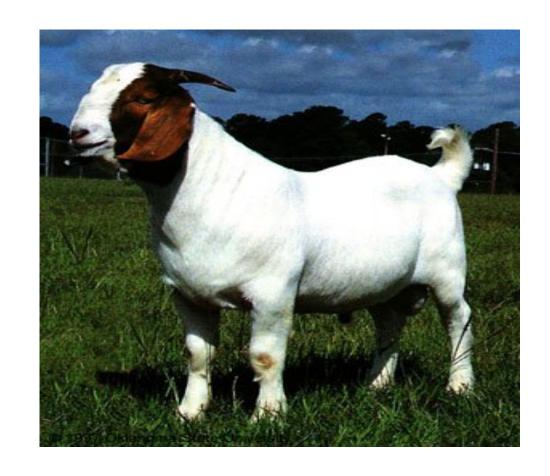
Boer Goats

Meat Breed

Fast Growth Rate

High Fertility

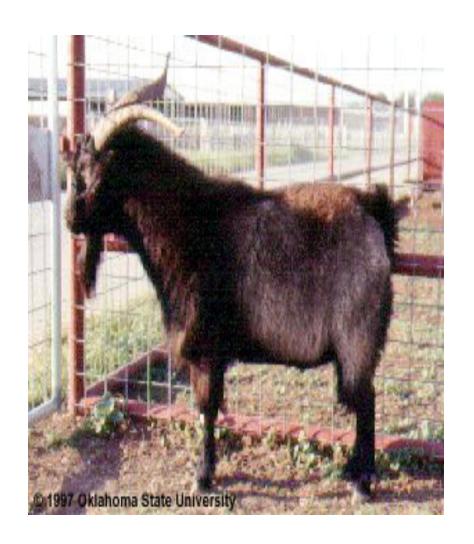
Does well on pasture grazing



Spanish Goats

- Primarily used for brush control
- Low maintenance, hardy breed

Considered meat bread

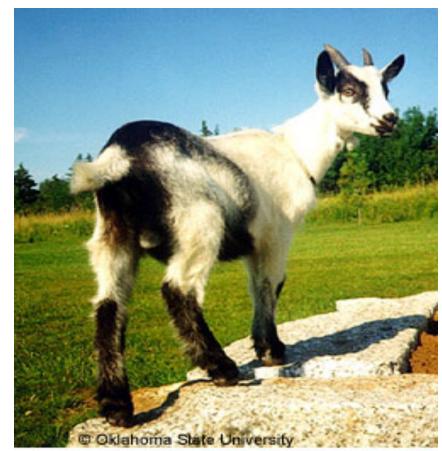


Alpine Goat

Dairy Production

 Hardy, adapt well to a variety climate

- Good health
 - low maintenance



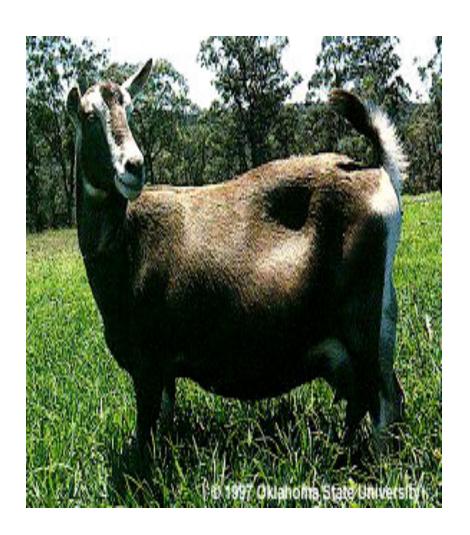
Provided by Crystal D'Eon

Togenburg

Dairy Production

• High Milk Production

• Perform Better in Cooler Climate



Sheep Breeds

Sheep breeds generally fall into one of two categories based on there uses:

- Meat Breeds (Hair Sheep) or Wool Breeds
- In Oklahoma, meat breeds are the most common. Some small-scale wool operations exist but this is not common in Oklahoma.



Dorper

- Hair sheep, meat breed
- Developed in the arid regions of South Africa. One of the most fertile of sheep breeds, hornless with good body length and a short light covering of hairy wool. The breed has the characteristic black head (Dorper) as well as white heads (White Dorper).
- Easy care breed that is hardy and can thrive under range conditions where other breeds can't



Provided by Mr P J Cilliers



Provided by Select Genes Ltd

Katahdin

- Hair sheep, meat breed
- American breed that originated in Maine
- Hardy, low maintenance sheep that produce vigorus lamb crops and lean meat carcasses. They do not produce a fleece and do not require shearing.
- They are medium-sized, utility breed for production in a variety of management systems.



Provided by Katahdin Hair Sheep International

Shropshire

- Wool sheep but considered a great dual-purpose breed because of solid meat production.
- Shropshires are gentle in disposition, making them perfect for the hobby farm flock or as a 4-H of FFA project for kids.





Suffolk

- Great dual-purpose breed because of solid meat production and wool production.
- Large body sheep with black face and legs
- One f the most common for the hobby farm flock or as a 4-H of FFA project for kids.



Want to Learn More About Breeds?



Facilities Needed

Fencing

 Fencing needs for sheep and goats are different. Goats need much stronger fencing than sheep.

Housing

- Housing needs for sheep and goats will be similar.
- Working Facilities
 - Working facilities for sheep and goats will be similar. Small hobby operations may not need sophisticated working facilities.

Fencing Considerations

- Generally, goats require much more robust fencing than sheep.
- Consider tighter fencing if you plan to have horned animals
- Good fencing can help with predator control/deterance
- 45" 47" Tall fence with a single strand of barbed wire on the top works well for goats
- ¼ mile \$500 \$700 ~



Barbed Wire

- Barbed wire is most common existing fence for many properties but is generally built for cattle and will not work for goats and sheep.
- 5 6 strands likely enough for sheep,
 10 -12 strands required for goats
- Spacing 3"- 3.5" bottom and 4"- 6" top
- Existing fence can be updated
- ¼ mile \$174 \$684 (meat goat production manual)



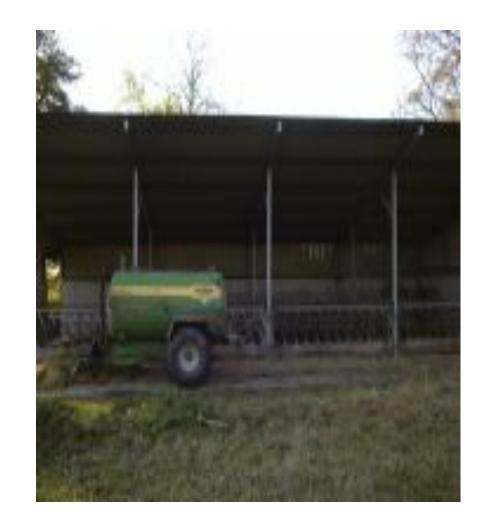
Electric Fencing

- Cheap and quick to assemble. ~ \$650 to enclose a square acre
- Sheep are easily trained to electric fencing, but goats can also be trained to it.
- Good for small properties or rotational grazing systems.
- 1. Use quality material
- 2. Animals must be trained (ideally from young age)
- 3. Keep fence hot



Housing

- Sheep and goats can both tolerate cold weather well as long as they remain dry. This is critical for herd/flock health.
- Need cover from rain and snow or they become more susceptible to illness.
- Housing can be a barn, or other structures. Housing can help with predator control



Working Facilities

- Helpful when performing routine management task such as:
- Catching animals
- Sorting young for weaning
- Vaccinating
- Loading onto trailers
- Etc.
- Small Operation:
 - Small Catch Pen



Stocking Rates Sheep and Goats

- Rule of thumb 5-6 sheep or goats/cow
 - 6 Mature Goats = 1 Cow on Native or improved Pasture
 - 10 Mature Goats = 1 Cow on Browse or Under story Grazing
- Forage
 - Sheep prefer forbs, grass, and browse
 - Goats prefer browse, forbs, and grass
- Multiple-species grazing advantages
 - Weed and brush control
 - Greater financial return per acre



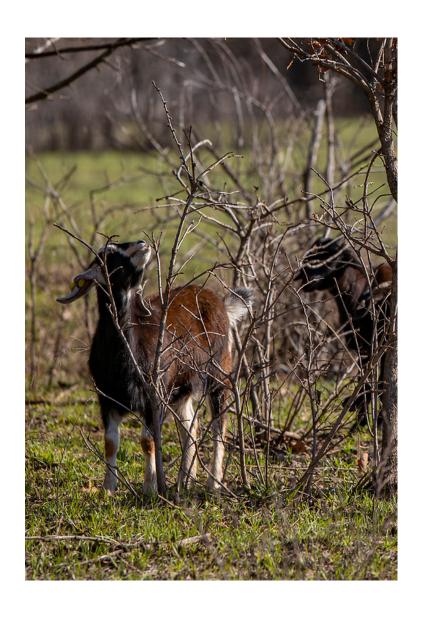
Goat Dietary Requirements

- Daily Intake of Dry Matter:
 - 3 5% of body weight per/hd per/day

- Prefer Browse over Grass:
 - 60% Browse
 - 40 % Grass

Preferred Browse for Goats

- Winged Elm
- Hickory
- Buckbrush
- Greenbrier
- Sumac
- Locust



Predator Control

- Secure housing at night
- Good fencing

- Donkey
- Llama

Guardian Dog



Health

- Overall Goats are a Healthy Animal
 - Yearly 3 way Vaccine
 - Parasite Control (drench)
 - Buy Healthy Stock
 - Sanitary Conditions
 - Proper Nutrition

Sires and Gestational Length

- Seasonal matings
 - 1 Ram 30 to 40 per season ~
 - 1 Buck 30 head per season ~
- Great variation due to individual, age, environment and physical condition but good rule of thumb.

Gestation
Meat goats 150
Sheep 145



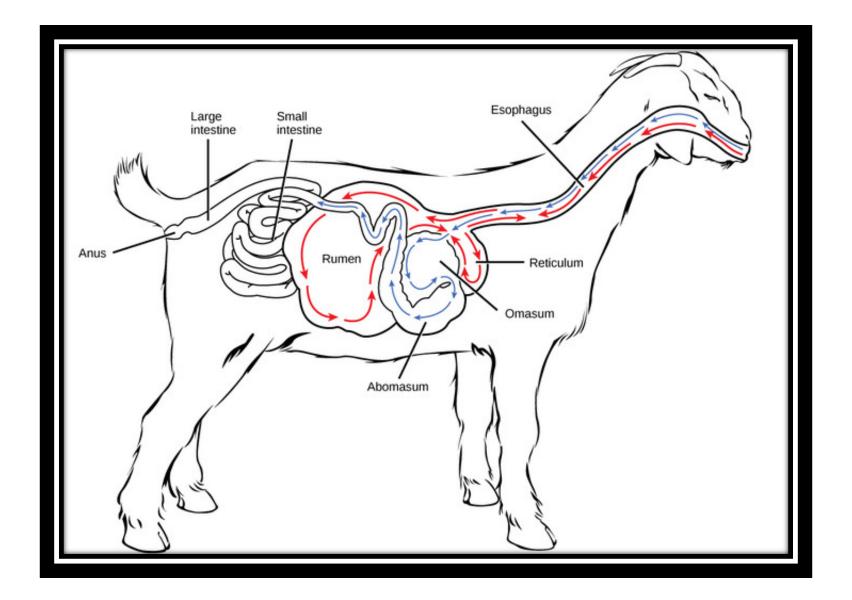
Basic Health, Nutrition & Management

Show Goats and Show Sheep

Ruminants

- Cattle
- Sheep
- Goats
- Alpacas
- Deer
- Camels







Nutritional Know-How

Essential Nutrients



- Water
- Protein
- Energy (Carbohydrates and Fats)
- Minerals
- Vitamins







- Most essential nutrient for every animal
- Can limit all other nutrients

Water dictates feed intake

- Smaller watering troughs favored over larger tanks
- Provide fresh water daily

Water Requirements

Sheep	Water Requirements (Gallons)	
Weanlings	0.5 - 1	
Adult Dry Sheep – Grassland	0.5 - 1.5	
Ewes with Lambs	1-2.64	
Adapted from http://www.livestock-emergency.net/userfiles/file/water-supply/Marwick-2007.pdf		

Protein

- Protein is the building block for muscle
- Required for creation of meat, milk, fiber
- High protein essential for building muscle in young animals
- Later on in feeding period, energy is the driver and protein can be reduced slightly



Energy

- Carbohydrates and Fats
- Referred to as calories in a growing diet
- Grain and protein supplements are more concentrated in energy than hay or forage
- Most limiting nutrient in sheep and goat diets



Minerals & Vitamins



- Mineral supplementation a common practice
- Commercial feeds are often formulated to meet vitamin and mineral requirements of certain stages of livestock

Most Important Macro-minerals

Salt, Calcium, Phosphorus, and Magnesium

Most Important Micro-minerals

Selenium, Copper (goats), Zinc

Vitamins A and D





Sheep have sensitivity to Copper

Macrominerals Microminerals Sodium (Na) Iodine (I) Chloride (CI) Copper (Cu) Iron (Fe) Calcium (Ca) Phosphorus (P) Manganese (Mn) Magnesium (Mg) Zinc (Zn) Molybdenum (Mo) Potassium (K) Sulfur (S) Cobalt (Co) Selenium (Se) Fluoride (FI)

Hay & Forage for Ruminants



- All ruminants require some fiber/forage to maintain rumen health
- When grain is fed in large amounts and animals are not adapted to a high grain ration, digestive system is thrown off

- For good rumen health, long stem hay (>2in) should be fed
- Low Quality hay being fed to small ruminants leads to hay belly

Some rations contain fiber for animals fully adapted to a grain-based ration

Common Feedstuffs (2)



Protein Feeds

Soybean Meal
Corn Gluten Feed
Distillers Grain
Sunflower Meal

Energy Feeds

Corn
Wheat Middlings
Soybean hulls
Whole Cotton Seed
Fats & Oils

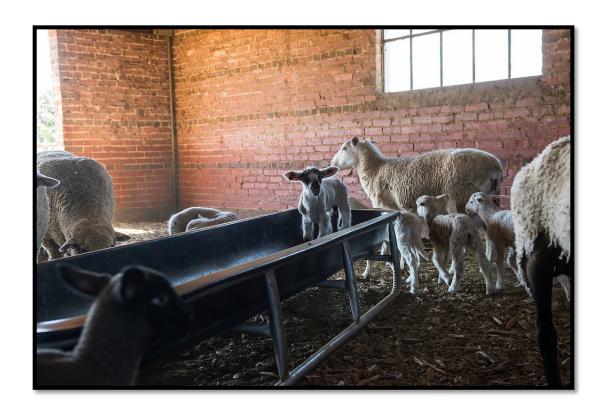
Common Forages/Roughages (2)

Alfalfa Hay
Teff
Bermuda hay
Fescue Hay

Alfalfa Pellets
Cotton Seed Hulls
(pelleted/loose)
Native Hay

Feeding Tips

- 1. Full Feeding/Self Feeder
- 2. Hand Feeding*
 - Two times daily
- 3. Animals should be individually fed
 - Most important at end of finishing period
- 4. Fresh water daily



Diet Targets – Nutrition

- Young fast-growing animals
 - 17 20% Protein
 - Fed at 1 2% of BW
 - ¼ lb. of high-quality hay fed daily



- Fattening stage with a market ready goal
 - 15 17 % Protein
 - Fed at 2-2.5% BW
 - Grains and fats play a more essential role at this stage
 - 3 5% fat
 - ¼ lb. of high-quality hay fed daily

Diet Targets – Consumption

Total feed needed will be fed according to % of body weight

Animal Weight	% BW	Lb.(s) Feed
30	2	0.6
45	2.5	1.125
60	3.0	1.8
75	3.5	2.625
(Animal Weight)*(% BW as a decimal) = feed needed		

- Depending on frame size, weight, and age this will vary from one animal to the next
- Weigh as often as possible to increase accuracy
- Animals should be slowly adapted to any dietary changes that are made

Accuracy is key





General Health and Parasite Control

• There are dozens of diseases and health issues that could impact sheep and goats, but good care can largely prevent these issues

- Parasites are the #1 health concern for sheep and goats
- Goats and Sheep require a well-managed parasite control
 - External and internal (ticks, worms, etc)

Checking for Parasites

- Check animals regularly for signs of illness
 - Anemia (gums or eyelids look pale, creamy or gray) indicate internam parasites
- Understand an effective deworming program Scheduled deworming?
 - Every 30 days?
 - Every 60 days?
 - Rather than deworming on a set schedule check periodically for need.
 - Have a vet look over you flock/herd
 - Have fecal exams performed 2 times per year by a vet or lab to determine need and set deworming schedule

^{*} Many great resources: Watch OSU YouTube videos for health information. Refer to books like the Storey's guides available at the library.

5 Big Picture "Musts for Success"

- Determine your goals
- Know your capacity
- Prepare your property
- Understand feeding and FRESH water
- Know your animal and monitor health



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Home / External Parasites of Goat

External Parasites of Goat

Published Oct. 2016 Id: EPP-7019

By Justin Talley



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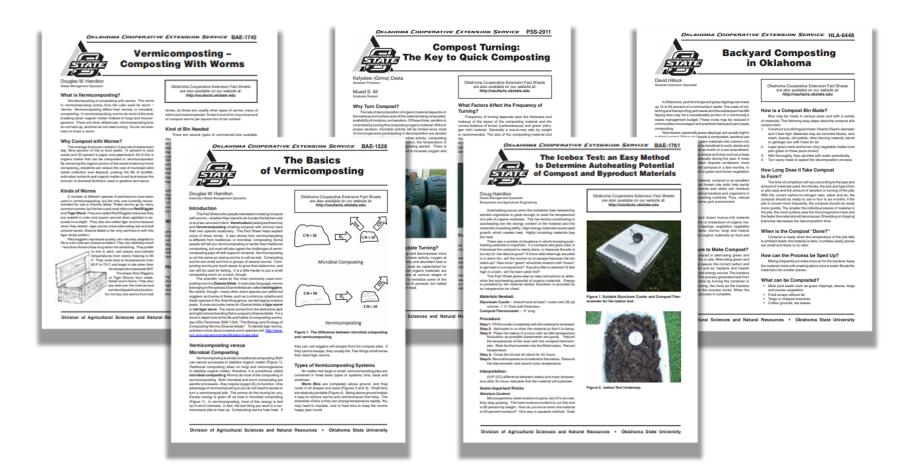


JUMPTO: Introduction / Lice / Nose Bot Fly / Keds / Mites / Fleas / Ticks / Flies / Biting Flies / Summary

Introduction

Arthropod pests limit production in the goat industry in many ways. External parasites feed on body tissue such as blood, skin and hair. The wounds and skin irritation produced by these parasites result in discomfort and irritation to the animal. Parasites can transmit diseases from sick to healthy animals. They can reduce weight gains and milk production. In general, infested livestock cannot be efficiently managed.

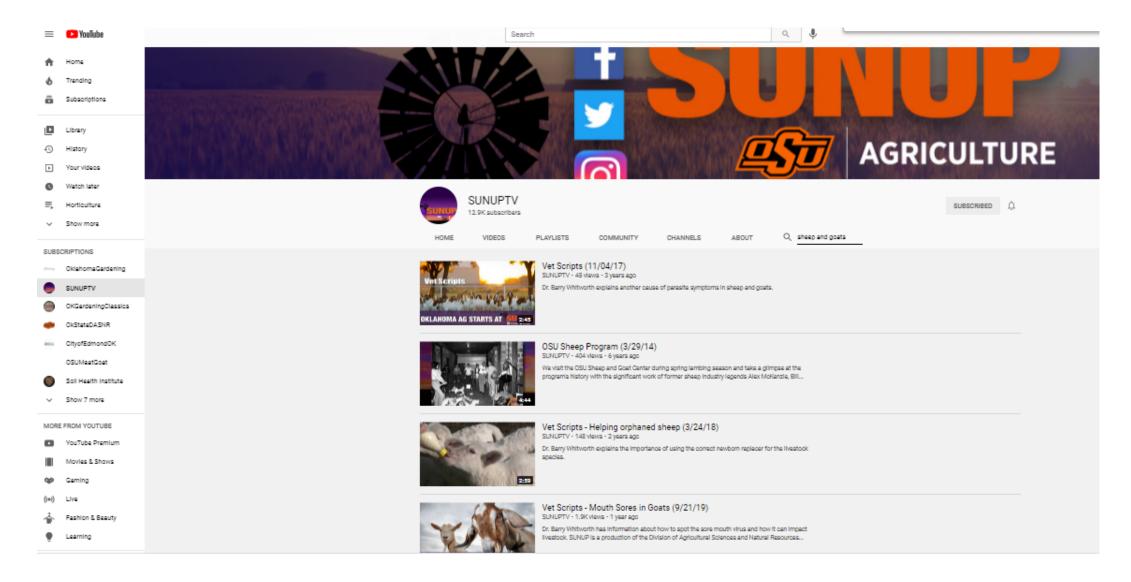
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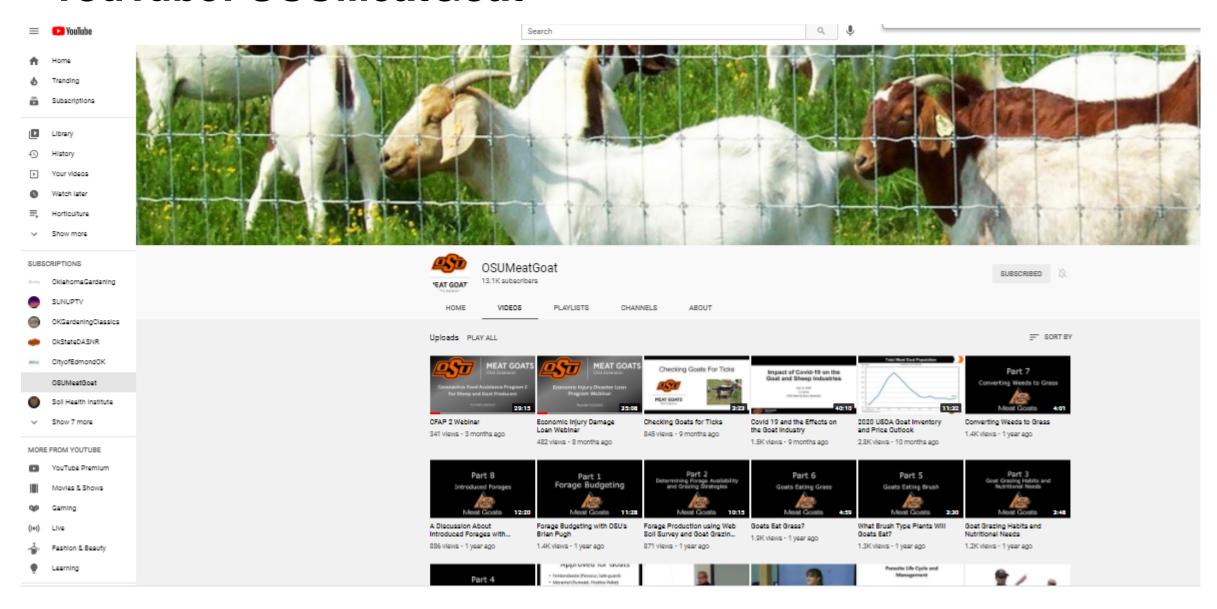
Further Information

- OSU Meat Goat Manual
 - http://agecon.okstate.edu/meatgoat/manual.asp
 - Meat Goat Boot Camp (October 2021)
- Langston University
 - www.luresext.edu/goats
 - Annual Goat Field Day
- OSU YouTube Channels

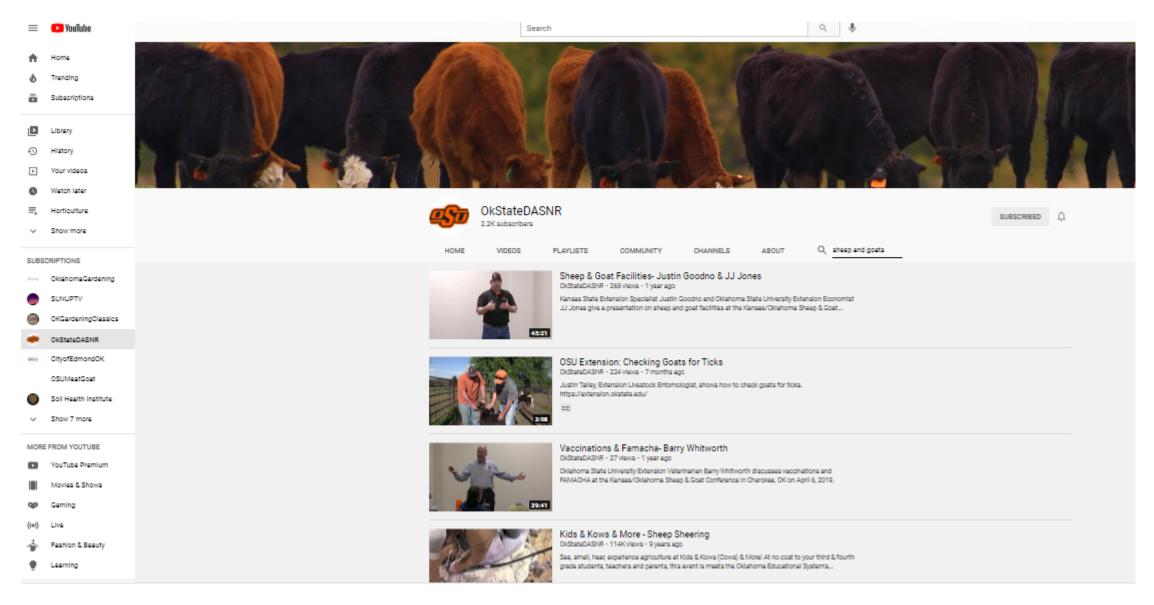
YouTube: SUNUP



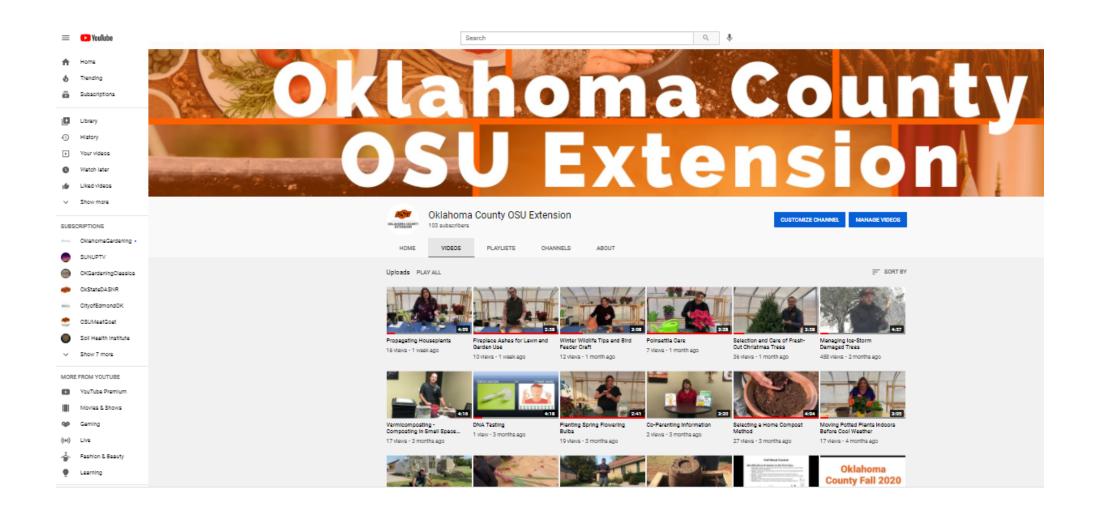
YouTube: OSUMeatGoat



YouTube: OkStateDASNR



YouTube: Oklahoma County OSU Extension



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Questions?



