

# Course Title: Camel, Sheep and Goat Production

Desert Land Reclamation Program  
Level2–Semester2

2019/2020

25/3/2020

سكشن رقم 7

أستاذ المادة

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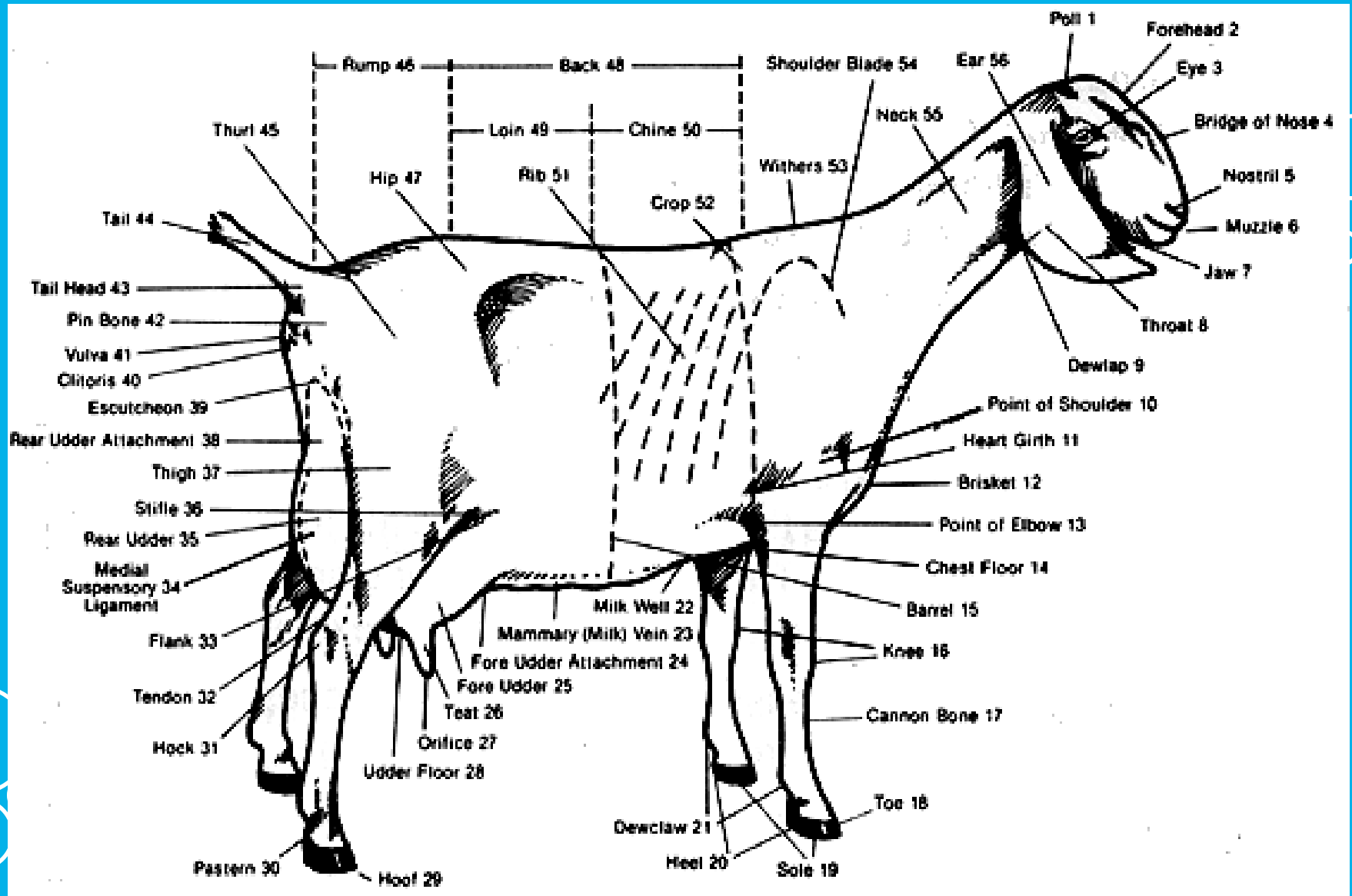
أستاذ رعاية الحيوان المساعد

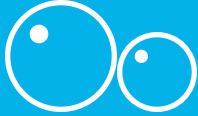
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# Goat Breeds and Selection

## Parts of a Goat





# Goat Breeds and Selection

## Judging Dairy Goats

†Correct conformation of dairy goats is essential for a productive and successful operation.

†It is important to evaluate the differences of goats as they related to each other as well as how they relate to the breed ideal.



### *American Dairy Goat Association*

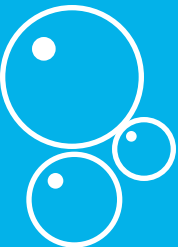
### *Standard Score Card*

**General Appearance - 30%**

**Mammary System - 30%**

**Dairy Character - 20%**



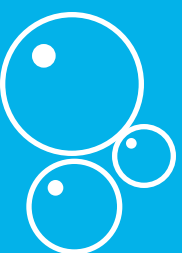


**Body Capacity - 20%**





# Goat Breeds and Selection




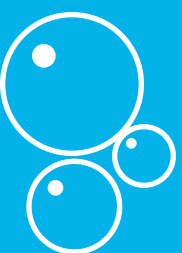


## Judging Dairy Goats

- † General Appearance: Impressive style and carriage, possessing attractiveness and femininity.
  - † Mammary System: Strongly attached and high quality udder, indicating high production and longevity.
  - † Dairy Character: Angularity and general openness throughout.
  - † Body Capacity: Relative to the size of the animal, providing ample capacity for feed intake and production.
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# Goat Breeds and Selection


## Angora Goat Selection

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- ✦ In selecting for fiber, one is interested in both quantity (weight) and quality of fiber (length, fineness, style, character, absence of kemp, etc.).
  - ✦ In addition to fiber, one must be concerned with traits that contribute to the survival or viability (soundness, fertility, etc.) of the individual.
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# Goat Breeds and Selection

## Angora Goat Selection





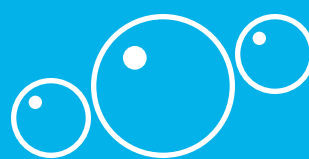
- ✚ Selection based on quantity of fiber is accomplished by:
    - ✚ size of the animal
    - ✚ completeness of cover
    - ✚ length of fiber (four inches minimum)
    - ✚ diameter of fiber (finer fibers preferred)
    - ✚ differences in density (desirable lock formation)
  - ✚ Selection based on fleece weight
    - ✚ grease (oil)
    - ✚ dirt
  - ✚ Selection based on age
    - ✚ Weaning or first shearing is a poor time
    - ✚ Select the animal at second and third shearing (12-18mts. Old)
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# Goat Breeds and Selection

## Judging Meat Goats

### † **Conformation:**

- † Rectangular in appearance from the side
  - † Straight level top and belly
  - † Length of rump, body, and leg are important
  - † Legs should be straight and placed squarely under the body and should show evidence of muscling.
  - † Width between front legs
  - † trim brisket
  - † hindquarter should be muscular with loin and rump being of uniform width.
  - † Legs should be square and wide from the rear view
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# Goat Breeds and Selection

## Judging Meat Goats

†General Appearance

†Stature: Overall Skeletal Size

†Head: Both Strength and refinement

†Front End: (*combination of chest and shoulder features*) wide chest smooth blending shoulder with sharp withers

†Front Legs: Sound

†Back: Straight, wide, long and level

†Rump: long, wide and level from thurl to thurl

†Hind Legs: wide and straight well muscled stifle

†Feet: strong pasterns with even tight toes






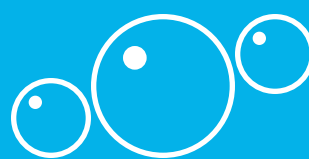




# Goat Breeds and Selection

## Judging Meat Goats

### ✚ MUSCLE


- ✚ Hindquarters: long deeply attached muscle, thick high stifle, muscle over the thurl and rump should be obvious.
  - ✚ Loin: should be wide with a symmetrically oval shape on each side of the backbone which should carry over the rack.
    - ✚ Shoulders: muscling should increase from the withers to the point of shoulder with the thickest muscle being above the chest floor. Forearm muscle should be prominent.
    - ✚ Neck: Neck and shoulder should be free of waste. Smoothness and quality are important. A long clean neck with muscle and balance is desirable.
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# **Goat Breeds and Selection**

## **Judging Meat Goats**

Condition refers to the amount of fat the animal is carrying. The ideal condition is thin but uniform. The external fat thickness over the loin at the 13th rib should be between .08 to .12 inches or an average of .1 inch.



# **Goat Breeds and Selection**

## **Suggested Activity**

### **(Breeds of Goats Collage)**

- 1. Divide the class into pairs.**
- 2. Distribute old livestock magazines and periodicals among the class. Encourage them to share.**
- 3. Direct the students to compile 15 different pictures in which they can identify the breed. (They must find atleast 8 different breeds)**
- 4. After the students have collected their pictures, distribute a piece of poster board to each pair.**
- 5. Provide colored pencils, markers and glue for them to arrange, number and identify their pictures in a creative way.**
- 6. Display the projects in the classroom.**
- 7. Have the students, after viewing all projects, make a list of the different breeds found.**




# **Goat Breeds and Selection**

## **Suggested Assignment Sheets**

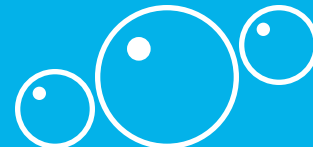
**† Assignment - Use resource materials to locate information about goat breeds.**



**-Use the Internet to locate the information and then have the students present their report in the form of a power point presentation. ([ansi.okstate.edu](http://ansi.okstate.edu))**






**\*Use the local computer instructor for a team teaching project.**





## References

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- † **Ayalew, M. 2016. Sheep and goat production. Text Book. Lap Lambert Acad. Pubel.**
  - † **Tadesse, Y., Urge, M., Abegaz, S., Kurtu, M., Cabede, K. and Dessiem T. 2014. Husbandry and breeding of dromedary goats among pastoral communities of Afar and Somali regional states. Ethiopia J. Afr. Env. Int. Dev. 108(2):167-189.**
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