

Goat

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Breeds

- Identify and describe 11 breeds of goats, and explain their use and country of origin.

External and Skeletal Parts, Confirmation and Structure

- Name and locate 30 external parts.
- Identify 20 skeletal parts of goats.

Health and Disease

- Explain how animals develop immunity from vaccinations.
- Demonstrate how to give an intramuscular and subcutaneous injection.
- Identify all 10 parts of a medication insert.
- Define the following terms: resistance, susceptible, pathogens, coccidiosis, dehydration, de-wormer, electrolyte, heat stress, necropsy, persistently infected, prevention, temperature-humidity index and treatment.
- Demonstrate the proper method of administering a drench.
- Understands quality assurance in regards to injection sites, withdrawal times and residues, using a medication table.
- Explain the difference between a medication label and a medication insert.
- Identify terminology associated with biosecurity for a livestock operation or livestock project.
- Define the following: coccidiosis, enterotoxaemia, acidosis, pregnancy toxemia, ketosis, tetanus, foot rot, pneumonia, soremouth, pinkeye, bloat, scours, mastitis, navel ill.
- Explain the Scrapie program.
- Identify internal and external parasites in goats.



Equipment and Records

- Identify 20 pieces of livestock equipment.
- Demonstrate the uses of 20 pieces of livestock equipment.
- Calculate project's rate of gain.
- Maintain project animal health records.

Nutrition and Feeding

- Identify and distinguish between the following forages and feedstuffs: alfalfa, blood meal, corn cob meal, corn gluten feed, cottonseed hulls, cottonseed meal, distiller's grains, dried molasses, ground ear corn, orchard grass, peanut hulls, roasted soybeans, soybean hulls, tall fescue, timothy, wheat middlings, whole barley, whole canola (rapeseed), whole oats, whole sorghum (milo) and whole wheat.
- Describe the following nutrients or nutrient analyses: carbohydrates, fat, fiber, non-protein nitrogen, non-starch polysaccharides, relative feed value, relative forage quality, starch, total digestible nutrients, and water-soluble or non-fibrous carbohydrates.
- Describe the following processes: creep feeding, preconditioning, suckling, and weaning.
- Analyze a feed tag to determine if it contains a medication.
- Analyze a feed tag to determine the relative proportions of individual feed ingredients that make up the feed.
- Characterize acceptable and unacceptable forages, concentrates, and water for goat consumption.
- Classify fat and water soluble vitamins.
- Differentiate between low- and high-quality hay by visual appraisal.
- Illustrate two to three weeds and two to three forage species commonly seen in pasture.

Genetics and Reproduction

- Define the following terms: anestrus, dystocia, estrus, estrous cycle, gestation, pre-partum and postpartum.
- Distinguish between the following components of a reproductive tract, and to which sex they correspond: ovary, penis, sheath, testes, uterus and vulva.
- Differentiate between dominant and recessive genes.
- Differentiate between genotypic potential and phenotypic expression.
- Differentiate between genetic and environmental factors.

Carcass and Goat Products

- Explain the difference between fat and muscle. Discuss which gender fattens and matures most quickly
- Identify and distinguish between 10 retail cuts, and to which wholesale cut they correspond.
- Illustrate how other goat products are made: milk, cheese, yogurt, mohair.

Showing Goats

- Practice, refine and master goat showmanship skills.
- Demonstrate how to properly fit a goat to show.

Livestock Judging

- Understand the following terms used to describe goats: hooks to pins, depth of flank, top/topline, length of body, spring of rib, point of shoulder, chest floor, hind saddle, front saddle.
- Identify desirable and undesirable conformation.
- Understand the criteria of selection in terms of muscling, volume/capacity, condition, structure/soundness, and balance.
- Create comparisons, criticisms and grants for a class of goats.
- Construct a set of reasons.

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