

New Jersey 4-H Goat Quiz Bowl Sample Questions

4-H members competing in the Goat Quiz Bowl as part of the NJ 4-H Goat Extravaganza are encouraged to study the National 4-H Dairy Goat (\$17.50 for series of four books) and National 4-H Meat Goat (\$17.50 for series of four books) curriculum available at 4-hmall.org. Several questions will come from those listed here.

| Questions | Answers |
|--|---|
| What are the four compartments of a goat's stomach? | rumen, reticulum, omasum, abomasum |
| How long is a doe's gestation period? | approximately 5 months OR 145-155 days |
| What is the proper term for an uncastrated adult male goat? | buck |
| You can make butter out of goat's milk. True or False. | True |
| Which of the following animals is not a ruminant? a. sheep b. cow c. horse d. deer | c. horse |
| What is homogenization? | breaking down and reducing size of fat globules in milk |
| Goats can be bred by artificial insemination. True or False. | True |
| A pH of 7 is considered: a) acidic b) neutral or c) basic | b. neutral |
| What is goat meat called? | chevon, cabrito |
| What is the major physical difference between goat and cow's milk? | smaller fat globules in goat milk (natural homogenization in goats milk) |
| What kind of a doe has very small ears? | LaMancha |
| What kind of a doe has very long ears? | Nubian, Boer |
| What is the main food of a kid 0 to 3 days of age? | colostrum |
| Regular milking machines can be adapted for goats. True or False | True |
| How many times a year should a doe freshen? | once |
| What breed of goat is all white? | Saanen |
| Mature does most commonly have two kids. True or False. | True |
| How often should you trim your goat's hooves? | every 3-6 weeks |
| What temperature of water should be used to rinse milking equipment immediately after use. | 110-120 F |
| If the topline tends to dip, should the doe's head be held a little higher or a little lower? | lower |
| Describe two symptoms of ketosis in a goat. | depressed, off-feed, wobbly gait, acetone odor on breath, constipation, mucous-covered feces, drop in milk production |
| Name two common types of goats other than dairy goats. | meat, fiber, companion/pet |
| What is the biggest cost item in producing milk? | feed |
| Name three internal parasites? | coccidia, liver flukes, lungworm, intestinal roundworms and stomach roundworms |
| Describe two areas on the goat involving "Dairy Character". | neck, withers, ribs, flank, thighs, skin |
| Why should you not feed strong flavored feeds such as onion or cabbage within four hours before milking? | milk picks up flavor - milk will pick up odor or taste |
| Name two external parasites of goats? | lice, mange mites, ticks, fleas, flies, screw worms, and fly maggots |
| What kind of doe comes from the French Alps? | Alpine |
| What should a goat's navel be dipped in immediately after being born? | iodine |
| What is a goat's normal heartbeat per minute? | 70-95 |
| How much should a young, standard-sized dairy goat doe weigh before it is bred? | 80-90 lbs. |
| What is minimum recommended housing area per goat: | 12-20 sq. ft. |
| Which of the following is not a symptom of foot rot? a. lameness b. swelling of foot c. heat in foot d. runny nose | d. runny nose |

| | |
|---|--|
| How many compartments does a goat stomach have? | four |
| Which nutrient is required in the largest amount? | water |
| What vitamin is essential for normal clotting of blood? | Vitamin K |
| Name one of the two smallest breeds of goats. | Pygmy or Nigerian Dwarf |
| If the topline tends to dip, bringing the does hind legs closer to the front legs will help raise it. True or False | True |
| What hormone is responsible for maintaining pregnancy? | progesterone |
| Why is it not good to use copper, iron or chipped enamel utensils with milk? | milk can acquire off flavors from metal |
| What is a test for determining internal parasite invasion? | egg count in stool specimen |
| Name a recommended method of identifying your goats. | ear tagging, tattooing, microchipping |
| What is the proper term for a female goat? | doe |
| What do the letters ADGA stand for? | American Dairy Goat Association |
| What is the milk producing gland of the doe? | udder |
| What word describes the time when a doe is in milk? | lactation |
| What do you call a goat that naturally has no horns? | polled |
| What word describes the doe when she is not milking? | dry |
| What muscle in the teat stops the milk from leaking out? | sphincter |
| How much does a gallon of goat milk weigh? | 8.6 lbs. |
| Which is the largest of the four stomachs of a kid? | abomasum |
| What is the term used for removing a young kid's horns? | disbudding |
| What do you call the "tassles" some goats have on their necks? | wattles |
| Another word for afterbirth is _____. | placenta |
| What are the four major parts of the dairy goat scorecard? | general appearance; body capacity; dairy character; mammary system |
| What is meant by the initials DHIR? | Dairy Herd Improvement Registry |
| A goat has how many dewclaws. | four |
| What is the normal birth weight of a kid? | 5-7 pounds |
| What causes white muscle disease? | selenium deficiency |
| Why doesn't a healthy goat require additional vitamin B and C supplements? | she can synthesize them in the rumen |
| Milk is at what temperature when it comes from the goat? | 103 degrees F. |
| Milk is one of the best sources of what mineral for humans? | calcium |
| What is kidding? | female giving birth to young |
| The Nubian has upright ears. True or False. | False - it has pendulous ears |
| What is the best food for kids less than 4 months old? | whole goat's milk |
| What is the most obvious characteristic of the LaMancha? | short ears |
| Which breed of dairy goat is usually the largest? | Saanen |
| Give two reasons you should feed your goat a balanced ration. | to maintain health and efficient milk production |
| What is gestation? | the time in which the doe carries her young (pregnancy) |
| Mastitis is an inflammation of the _____. | udder |
| Name two fat soluble vitamins. | Vitamins A, D, E, K |
| Milk is a good source of what B vitamin? | riboflavin |
| What do the letters USDA stand for? | United States Department of Agriculture |
| What does "fitting" mean? | cleaning, trimming, clipping |
| What is laminitis? | inflammation of the tissue of the feet |
| Which state has the most goat dairies? | California |
| Which state raises the most meat goats? | Texas |
| When kidding, which legs of the kid usually come first. | front |
| What is a ruminant? | cud chewing animal with a 4-compartment stomach |
| Define a "kid". | young goat under 1 year of age |

| | |
|---|--|
| What color are the prescribed clothes for showing dairy goats? | white |
| What vitamin deficiency is associated with white muscle disease? | Vitamin E |
| Name two indicators of good quality hay: | a. leafiness, b. green color, c. softness, d. small stems, e. good smell |
| Butterfat percentage of average goats' milk is ____%. | 3.5% |
| List two macro minerals. | calcium, phosphorus, sodium, chloride, magnesium, potassium and sulfur |
| Goats milk is normally what percentage water? | 88% |
| The science that deals with inheritance is: | genetics |
| What is the first milk given after kidding? | colostrum |
| _____ are disease protection protein particles found in colostrum. | antibodies |
| What is the major cause of death in diarrhea cases? | loss of body fluids |
| What do we call a buck that has been castrated? | wether |
| Where is the poll located? | on top of the head |
| A pronounced Roman nose on any breed other than the _____ is a serious fault. | Nubian |
| What organization provided the uniform score card for judging? | American Dairy Goat Association |
| A good disinfectant, used liberally, is one way of guarding against spread of _____. | disease, mastitis, bacteria, etc. |
| Which one of the following is not a roughage? a) oat hay, b) alfalfa, c) grass, d) corn. | d. corn |
| The breed of dairy goat most common in the United States is _____. | Nubian |
| Name the town and state where the American Dairy Goat Association is located? | Spindale, North Carolina |
| In what part of the whole milk are most of the off flavors found? | fat |
| Name five breeds of dairy goats. | Alpine, LaMancha, Nigerian Dwarf, Nubian, Oberhasli, Saanen, Sable, and Toggenburg |
| What term describes the circumference of the chest measured behind the elbows? | girth |
| What term describes the highest part of the back, where the shoulder blades almost touch? | withers |
| What is another name of overeating disease? | Enterotoxemia |
| What term describes the mid section of the body referring to the rib cage area? | barrel |
| How many teats should a goat have? | two |
| What term describes the portion of the foot between the dewclaw and the hoof? | pastern |
| What term describes the projection of the leg behind the pastern? | dew claw |
| What is a record of a goat's family background called? | pedigree |
| Where is a goat tattooed? | in the ear or the hairless part of the tail |
| What do the initials "AI" stand for? | artificial insemination |
| What is another word for "heat" in goats? | estrus |
| What breed is known for their high butterfat? | Nubian |
| What is the accumulation of excessive amounts of gas in the rumen called? | bloat |
| What is the oldest registered breed of any animal in the world? | Toggenburg |

| | |
|--|---|
| A lack of what nutrient will result in the death of an animal the quickest? | water |
| What two important factors are involved in proper pasteurization of milk? | time and temperature |
| The average length of a doe's estrus cycle is _____. | 21 days |
| Which hormone is responsible for milk let down? | oxytocin |
| What liquid compound is used to freeze and store frozen semen? | liquid nitrogen |
| What do we mean by a cloven hoof? | split into two parts |
| Which stomach compartment is known as the fermentation vat? | rumen |
| One way to pasteurize milk is to heat it to 145 degrees F for _____ minutes. | 30 |
| Which two minerals are important in building bones and teeth? | calcium and phosphorus |
| Another name for kidding is _____. | parturition |
| Soybean oil meal and cottonseed meal are what kind of supplements? | protein supplements |
| How many knees does a goat have: | 2 |
| Name two feedstuffs that are high in protein. | cottonseed oil meal, soybean, linseed oil meal, canola meal, alfalfa |
| A doe will require less, more, or the same amount of feed after her kid is born. | more |
| When you enter the show ring, do you lead in a clockwise or counter-clockwise direction in the circle? | clockwise |
| What causes hardware disease? | goats eating sharp objects (nails, wire, etc.) that puncture the stomach wall |
| Name one meat breed of goat characterized by long pendulous ears? | Boer (another rarer breed would be Savanna) |
| The Boer goat originated in what country? | South Africa |
| Name three products made from goat milk. | cheese, ice cream, yogurt, fudge, butter, soap |
| Which breed of dairy goat produces the most milk? | Saanen |
| When showing meat goats, what kind of clothing should the exhibitor wear? | clean clothes, dark pants |
| During what season of the year are both dairy and meat does most likely to get pregnant? | Fall |
| When reproducing, the doe provides the egg cell. What does the buck provide? | sperm |
| When reproducing, the buck provides the sperm cell, what does the doe provide? | egg |
| What kind of digestive system does a goat have? | ruminant |
| What activity distinguishes a ruminant from a non-ruminant? | it chews its cud |
| What is often added to feed to control dustiness? | molasses |

Good Luck!