

**2013 Junior Dairy Quiz Bowl Questions**

**Round 3**

**Phase B      5 Questions      Correct answers are worth 10 points each.**

**Only the team being asked the questions is to be in the room. Each team will be asked these 5 questions. Answers are to be given by a team captain, but assistance may come from any team member. A question may be repeated only once. Answers must be started within 20 seconds. Partial credit may be given at the discretion of the judges. After one team has been questioned, the other team will enter the contest room and be asked the same 5 questions.**

**1. Rennet is the name of the enzyme that is added to milk to make what dairy product?**

ANS: Cheese

**2. Why is sodium bicarbonate (baking soda) commonly added to dairy cow rations?**

ANS: To buffer the rumen and to help maintain fat test

**3. What two simple sugars make up lactose?**

ANS: Glucose and Galactose

**4. Which breed organization sponsors the “Pot-of- Gold” heifer sale and production contest?**

ANS: Jersey

**5. What is a “blind” quarter on a dairy cow?**

ANS: A quarter of the udder that does not secrete milk

**Phase C      20 Questions      Correct answers are worth 15 points each.**

**Both teams are in the room for Phase C. The first contestant to signal will answer the question within 5 seconds after being acknowledged by the moderator. Failure to do so will cost that team 10 points. Any contestant answering a question without being acknowledged by the moderator will lose 10 points. If an answer is incorrect, members of the other team will have the opportunity to answer the question without having it reread except for true/false, either or and yes or no type questions. If an answer is given in these types of questions, the question will be replaced with a tie breaker question, and given to the other team. No points are deducted for giving an incorrect answer. Team members are not allowed to discuss the answers in this phase. No partial credit is available in Phase C, except for bonus questions. If neither team can offer an answer to the question within 10 seconds, the moderator will give the answer and the question will be dropped but neither team will forfeit points.**

**1. Which state leads in the production of butter?**

ANS: Wisconsin

**2. The time period after calving when you choose not to breed a cow is abbreviated VWP. What does VWP stand for?**

ANS: Voluntary Waiting Period

**3. If a cow is being milked three times a day, how is that noted on DHIA production records?**

ANS: 3X

**4. Bovine spongiform encephalopathy or BSE is more commonly known as what disease?**

ANS: Mad Cow Disease

**5. What is the name of the official breed publication for the American Jersey Cattle Club?**

ANS: Jersey Journal

**6. Which of the following should you not feed to the week-old dairy calf?**

**a) a coarse grain mix                      b) whole milk                      c) corn silage**

ANS: c) corn silage

**7. Which of the following states has the fewest number of dairy cows?**

- a) North Carolina                      b) Virginia                      c) Alaska                      d) Mississippi

ANS: c) Alaska

**8. What month of the year is National Dairy Month?**

ANS: June

**9. Which of the following is a warm season or C4 grass?**

- a) fescue                      b) alfalfa                      c) bermuda                      d) orchardgrass

ANS: c) Bermuda

**10. What is “dystocia” in dairy cows?**

ANS: a difficult or abnormal calving

**11. What does CIP stand for when referring to dairy equipment sanitation?**

ANS: Clean-In-Place

**12. In reference to a sire summary, what does the abbreviation PTA stand for?**

ANS: Predicted Transmitting Ability

**13. What does EPA stand for?**

ANS: Environmental Protection Agency

**14. At approximately what age (in weeks) does a dairy calf begin to chew its cud?**

- a) 2-3 weeks                      b) 6-8 weeks                      c) 10-12 weeks                      d) 12-15 weeks

ANS: a) 2-3 weeks

**15. What is the name used for a diagram of a dairy animal’s ancestors?**

- a) sire summary                      b) pedigree                      c) registration

ANS: b) pedigree

**16. Which one of the following is not classified as a “fat-soluble” vitamin?**

- a) Vitamin D                      b) Vitamin K                      c) Vitamin E                      d) thiamine**

ANS: d) thiamine

**17. What is the term for the condition involving the ovaries when the cow comes into heat every few days?**

- a) lactation                      b) cystic                      c) anestrus                      d) placenta**

ANS: b) cystic

**18. What breed of dairy cattle originated in Scotland?**

ANS: Ayrshire

**19. At the end of what major sporting event does the winner traditionally drink milk?**

- a) Kentucky Derby                      b) Wimbledon                      c) Indianapolis 500  
d) Super Bowl**

ANS: c) Indianapolis 500

**20. Which of the following is NOT a sex limited trait?**

- a) milk production                      b) udder                      c) feet and legs**

ANS: c) feet and legs

**Bonus Questions**      Each bonus question is worth 20 points.

**Bonus questions may be earned in the toss-up round. To receive a bonus question, 3 different team members must correctly answer the toss-up questions. Bonus questions are not passed to the other team, nor are points deducted for an incomplete or incorrect answer to the question. Bonus question will be asked whenever 3 team members have answered toss-up questions correctly with the count kept individually for both teams within a match. Eligibility for bonus questions does not carry over to another match. The answers must come from the team captain but assistance can come from the other team members. Only the number or answers required by the bonus question will be accepted. Example: If the bonus has a four-part answer - the first four answers given by the team will be accepted. Answers to a bonus question must start within 20 seconds and be completed within 60 seconds.**

**1. Which of the following minerals is a cation that contributes to the dietary cation-anion difference?**

- a) iodine                      b) calcium                      c) potassium                      d) chlorine

ANS: c) potassium

**2. What is the technical term for the class of chemicals used to kill internal parasites in cattle?**

ANS: Anthelmintics (also accept dewormers)

**3. What term describes semen that is thawed and then subjected to cool temperatures before reaching the cow?**

ANS: cold shocked