

Holstein Foundation  
2012 Holstein Dairy Bowl Practice Questions

1. According to research consuming what dairy product will help alleviate bad breath after eating garlic?

Milk (Hoard's Dairyman October 2010, p. 704)

2. True or False: Calves should not be fed hay before weaning.

True (Hoard's Dairyman January 2010)

3. Which group consumes the most water on a dairy: dry cows, heifers or lactating cows?

Lactating cows (Hoard's Dairyman 2010)

4. What fast-food chain is looking at how its suppliers can cut down on methane produced from cow flatulence?

McDonalds (Dairy Herd Management 2010)

5. Name the often neglected nutrient that is of major importance for maintenance of high levels of milk production.

Quality water (Other 2010)

6. What state will host the 2012 National Holstein Convention?

Missouri (HAUSA Web Site February 2011 )

7. Which of the following: pasture, alfalfa, soybeans or corn silage, produces the most energy per acre per year?

Corn silage (Hoard's Dairyman 2010)

8. If a cow has mastitis, the veterinarian will run culture and sensitivity tests on what type of sample?

Milk (Hoard's Dairyman 2010)

9. When clipping a cow, do you generally clip in the direction the hair lays or in the opposite direction?

Opposite direction (Hoard's Dairyman 2010)

10. Which state had the fewest number of licensed dairy herds in 2010?

Hawaii (Progressive Dairyman March 2011)

11. True or False: Giving heifers 16 to 18 hours of supplemental lighting in a 24 hour period appears to benefit their performance prior to puberty and later on in their first lactation.

True (Dairy Herd Management 2010)

12. True or False: Forestripping is needed for milk letdown.

False (Hoard's Dairyman 2010)

13. The first artificial inseminations of Holstein in the United States took place in what state?

New Jersey (Holstein World 2010)

14. Numerous chemicals are used on modern dairy farms. For what purpose is a herbicide used?

Weed control (Hoard's Dairyman 2010)

15. True or False: All cows in India are considered holy.

True (Hoard's Dairyman March 2011, p. 218)

16. How long does it normally take cows to adjust to a new group environment?

3 to 5 days (Hoard's Dairyman 2010)

17. True or False: Cows have poor depth perception.

True (Dairy Herd Management May 2010)

18. To be eligible for Holstein Association USA's Locator list, animals are required to have what two things?

Official production record & classification score (Holstein Pulse 2010)

19. What term is used to describe when a calf is born backwards?

Breech (Hoard's Dairyman 2010)

20. In which season of the year is lice most prevalent?

Winter (Hoard's Dairyman 2010)

21. More sugars may be utilized during fermentation in warmer silage, which may lead to lower quality. Silage covered by what color plastic tends to have a lower temperature?

White (Dairy Herd Management 2010)

22. What is an elevation in the normal core body temperature of an animal called?

Fever (Hoard's Dairyman 2010)

23. In the Holstein Association USA youth lease program a maximum of how many animals may be leased at one time?

Two (HAUSA Web Site March 2011)

24. When balancing rations, is silage considered a roughage or a concentrate?

Roughage (Other 2010)

25. How many pounds of extra milk will a cow produce if she consumes one more pound of dry matter?

2 to 3 pounds (Hoard's Dairyman 2010)

26. Which has the least annual expense for drying cows udders prior to milking: paper towels or cloth towels?

Cloth towels (Hoard's Dairyman 2010)

27. Which method of breeding gets cows pregnant faster: natural service sires or artificial insemination?

Artificial insemination (Hoard's Dairyman 2010)

28. What term describes an infection of the interdigital skin characterized by the presence of an interdigital lesion, swelling and moderate to severe lameness?

Foot rot (Hoard's Dairyman 2010)

29. What feedstuff is the largest component of dairy rations and a major cost?

Forages (Progressive Dairyman September 2009)

30. Approximately 70% of all costs associated with mastitis is from what?

Loss of milk production (Hoard's Dairyman 2010)

31. On most farms, which type of silage storage facility offers the least cost per ton of silage stored?

Bunker (Hoard's Dairyman 2010)

32. What is the name of the state of art methodology for calculating PTA's?

Animal Model (Red Book 2010)

33. Plastic milk containers were commercially introduced in what year?

1964 (Dairy Herd Management 2010)

34. What term is used to describe a cow whose rear hocks are too close?

Cow-hocked (HF Workbooks 2010)

35. Which food has the most calcium per serving: low-fat milk, spinach, low-fat yogurt or cream cheese?

Low-fat yogurt (Hoard's Dairyman 2010)

36. Which age group needs the most calcium daily: children 1 to 8 years old, 9 to 18 year olds, 19 to 30 year olds, or 50 and older?

9 to 18 years (Hoard's Dairyman 2010)

37. Of the total U.S. dairy farm population, what percent is made up of dairies milking 500 cows or greater?

4 to 6% (Progressive Dairyman September 2009)

38. True or False: Manure gases can kill.

True (Hoard's Dairyman 2010)

39. Is windrow width more important with first-cut or second-cut forages?

First-cutting (Hoard's Dairyman 2010)

40. There are three criteria the nominating committee takes into consideration when determining the six Holstein All-American nominees. Show placings, the judge's personal knowledge of each animal and what else is considered?

Quality of photo (Holstein World 2009)

41. When veal calves are sent to slaughter how much do they weigh on average?

475 to 500 pounds (Hoard's Dairyman 2010)

42. True or False: Faster genetic progress can be achieved for traits which are higher in heritability compared to traits which are lower in heritability.

True (Red Book 2010)

43. What is the percent of difficult births among first calf Holsteins?

7 to 9% (Red Book 2010)

44. Does grass or alfalfa quality drop off more rapidly?

Grass (Hoard's Dairyman 2010)

45. How much does a block of cheese weigh?

40 pounds (Hoard's Dairyman 2010)

46. Which country is home to the most milking cows in the world?

India (43,600,000) (Progressive Dairyman March 2011)

47. Which vitamin is necessary for your body to absorb calcium?

Vitamin D (Hoard's Dairyman 2010)

48. Economic analysis shows that calving intervals extended beyond how many months result in reduced annual revenue per cow?  
13 months (Progressive Dairyman November 2009)
49. All National Holstein Shows are required to select judges from what?  
National Judges List (HAUSA Web Site February 2010)
50. What season of the year is it most likely for manure to run off a field?  
Winter (Hoard's Dairyman 2010)
51. What is the Holstein Foundation's web address?  
www.holsteinfoundation.org (HF Web Site March 2011)
52. How much of the teat should be covered when applying teat dip?  
Entire teat (Hoard's Dairyman 2010)
53. In regards to the environment , what do the initial GHG stand for?  
Greenhouse Gas (Hoard's Dairyman February 2010)
54. Little Miss Muffet sat on her tuffet, eating her curds and whey. How many pounds of milk are needed to make 1 pound of curds?  
10 pounds (Hoard's Dairyman 2010)
55. Multiple Choice: Which of the following is not a recommended procedure for making silage in a trench or bunker silo: chop coarse, fill fast, pack hard or cover?  
Chop coarse (Hoard's Dairyman 2010)
56. In computing a Holstein's TPI who computes the genetic evaluations for type traits?  
Holstein Association USA (Red Book 2010)
57. What factor is generally considered the most critical in determining forage quality?  
Stage of maturity at harvest (Hoard's Dairyman 2010)
58. The annual incidence of lameness in dairy herds averages what percent?  
25 to 30% (Dairy Herd Management 2010)
59. Which state has lost the most dairy farms in the past five years?  
Wisconsin (Progressive Dairyman March 2011)
60. Organic milk or milk products must be from cows that have been under continuous organic care for at least how long prior to milk production for organic sale?  
One year (Hoard's Dairyman 2010)

61. What is the name of Holstein Association USA's production records program?

TriStar (HAUSA Web Site March 2011 )

62. What is the primary key to effective fly control?

Sanitation (Hoard's Dairyman 2010)

63. What one housing factor increase's the cow's risk of injury?

Overcrowding (Dairy Herd Management 2010)

64. Alfalfa is classified as a perennial. Define a perennial.

Plant which persists for several years without reseeding (Hoard's Dairyman 2010)

65. True or False: Klebsiella is only a problem associated with sawdust.

False (Hoard's Dairyman 2010)

66. Who is chairman of the Holstein Foundation Board of Trustees?

John Bierbaum (HF Web Site April 2011)

67. What is a teat canula used for?

To drain milk from an injured teat or to open it (Hoard's Dairyman 2010)

68. In cows, salmonella infections are most common in those that have calved within how many days?

10 days (Hoard's Dairyman 2010)

69. The letters ASCS stand for what government organization?

Agricultural Stabilization and Conservation Service (Hoard's Dairyman 2010)

70. During which month is National Agriculture Day celebrated?

March (Hoard's Dairyman 2010)

71. Which has a greater prevalence at calving: stillbirth or dystocia?

Dystocia (14%) (Hoard's Dairyman 2010)

72. Each stop sign can add how many minutes to round-trip hauling time when transporting manure?

Four minutes (Hoard's Dairyman 2010)

73. To minimize teat exposure of environmental pathogens after milking, how long should cows stand before lying down?

30 minutes (Hoard's Dairyman 2010)

74. The best calf starter is one that stimulates rumen development. Starter in what form is best to achieve more cud chewing, saliva production and favorable volatile acid production?

**Texturized** (Hoard's Dairyman February 2010)

75. True or False: You cannot disinfect manure.

**True** (Dairy Herd Management 2011 5/11 p.34)

76. Calves need to drink how many times more water as their dry feed intake?

**4 times** (Hoard's Dairyman January 2010)

77. Name the first breed to have its genetic blueprint sequenced and analyzed.

**Hereford** (Hoard's Dairyman 2010)

78. Multiple Choice: Which micronutrient is most likely to be deficient in alfalfa production: iron, boron, cobalt or copper?

**Boron** (Hoard's Dairyman 2010)

79. Will milk yields: increase, decrease, or stay the same when cows are fed yeast cultures?

**Increase** (Hoard's Dairyman 2010)

80. A calf's energy requirement for maintenance increases by what percent for every degree the temperature drops below the thermo-neutral zone?

**1%** (Progressive Dairyman October 2009)

81. The selection criteria for the Judi Collinsworth Outstanding Junior Exhibitor Memorial Award is based on participation in Holstein activities, sportsmanship and what else?

**Herdsmanship** (HAUSA Web Site March 2011)

82. What off-flavor in milk tastes bitter and soapy?

**Rancid** (Dairy Herd Management 2010)

83. True or False: The goal of genomic testing is to predict which cows will perform the best.

**False - predict animals that will transmit best set of genes to next generation** (Hoard's Dairyman 2010)

84. How much residual milk should remain in the udder following milking?

**4 to 8 ounces** (Hoard's Dairyman 2010)

85. How often are the Dietary Guidelines for Americans updated?

**Every 5 years** (Hoard's Dairyman March 2011, p. 164)

86. What state has won the most National Holstein Dairy Bowl titles?

Pennsylvania (HAUSA Web Site 2010)

87. Allowing alfalfa to grow in the field past a typical cutting schedule improves yield but will reduce quality. During which cutting does relative feed value decline most rapidly?

1st cutting (Hoard's Dairyman 2010)

88. Name one new, interactive feature that has been developed for Holstein classification.

Schedule upcoming classification online, View upcoming non-area classifications, or complete classifier survey online (Holstein Pulse December 2010)

89. Animal height measurements are generally measured from the ground to what body part?

Highest point of the withers or hip height (Hoard's Dairyman 2010)

90. True or False: TPI is a trademark of Holstein Association USA?

True (Red Book 2010)

91. In regards to check-off programs, what do the initials DBQA stand for?

Dairy Beef Quality Assurance (Hoard's Dairyman 2009)

92. Farming is a dangerous job with 26 fatalities per 100,000 full-time workers. This is how many times higher than the national average?

8 times (DHM June 2011 p.20)

93. Name two non-domestic animals that can cause an infection of cattle with rabies.

Bats, bobcats, coyote, deer, fox, raccoon or skunk (Hoard's Dairyman 2010)

94. Maximum oxytocin concentration in blood occurs how soon after the beginning of stimulation?

One minute (Hoard's Dairyman 2010)

95. Naturally ventilated barns are typically situated in which direction for optimum cow cooling?

East/West (Hoard's Dairyman 2010)

96. Immigrant labor can be found on what percent of dairies?

44 to 50% (Hoard's Dairyman 2010)

97. If you purchased 100 pounds of 8-12-10 fertilizer. What does the number 10 mean?

Fertilizer is 10 percent potash or potassium (Other 2009)

98. Breeding a typical dairy herd to polled bulls results in a minimum of what percent hornless calves?

50% (Hoard's Dairyman 2010)

99. Grasses should generally be harvested at what stage?

Late boot to early head stage (Hoard's Dairyman 2010)

100. What prefix was the first in the country to have three different animals named Grand Champion, Best Bred & Owned and Best Udder at three National Holstein Shows in one year.

Budjon (Holstein Pulse 2009)

101. In regards to the Employee Free Choice Act what is the minimum percent of employees that need to vote yes by secret ballot in order for the workplace to become unionized?

50% (Hoard's Dairyman 2010)

102. What childhood toy is recommended to help teach a newborn calf to drink milk from a bucket?

Rubber duck (Dairy Herd Management 2010)

103. On a dairy farm what do the initials OMP represent?

Odor Management Plan (Hoard's Dairyman 2010)

104. What percent of cows should be lying down if cow comfort in a barn is considered good?

83 to 87% (Hoard's Dairyman 2010)

105. The American Academy of Pediatrics advises that children should only drink what two beverages between meals?

Water and milk (Hoard's Dairyman 2010)

106. Who is a more efficient protein utilizer, the neonatal calf or an older heifer?

Neonatal calf (Dairy Herd Management 2010)

107. Who developed condensed milk, and in what year?

Gail Borden (1856) (Hoard's Dairyman 2009)

108. What is the key to limiting a postweaning slump?

Minimizing stress (Hoard's Dairyman 2010)

109. A header featuring what image distinguishes the International pedigree from a traditional U.S. Official Holstein Pedigree?

Globe (HAUSA Web Site January 2010)

110. Including what type of fungus in the diet of dairy calves has shown to boost grow?

Yeast (Hoard's Dairyman 2010)

111. In what year was the first commercial production of sexed semen in the U.S.?

2003 (Texas) (Hoard's Dairyman 2010)

112. What term means the percentage of feed that is absorbed into the body as opposed to that which is excreted as feces?

Digestibility (Other 2009)

113. True or False: Pasteurization equals sterilization.

False (DHM 5/11)

114. Colostrum provides short-term immunity to the newborn calf. What is the longest this immunity lasts?

4-8 months (Hoard's Dairyman 2010)

115. Ryegrass is an example of an annual. Define an annual.

Plant that must be seeded every year (Hoard's Dairyman 2010)

116. An inflammation of the udder resulting in abnormal secretions of milk is also known as what?

Clinical mastitis (Hoard's Dairyman 2009)

117. Who is the author of the book titled Seed Stocks?

Horace Backus (Holstein World 2010)

118. What is the common name for Hemorrhagic Septicemia?

Shipping Fever (Hoard's Dairyman 2010)

119. What is a teratologist?

Scientist who specializes in genetic defects (Hoard's Dairyman 2010)

120. What percentage of silage dry matter is lost in seepage?

5 to 8% (Hoard's Dairyman 2010)

121. True or False: Cow comfort can be linked to lameness which, in turn can be linked to reproductive performance.

True (Dairy Herd Management 2010)

122. The top 25 dairy counties are home to what percent of the nation's dairy herd?

30 to 32% (Hoard's Dairyman January 2010)

123. What distinguishes a limit feeding diet from traditional diets?

No free choice forages are fed (Hoard's Dairyman 2010)

124. Multiple Choice: Potassium carbonate can be sprayed on hay for what purpose: reduce drying time, preserve wet hay until it dries, increase digestibility or increase palatability?

Reduce drying time (Other 2010)

125. Cows will tend to sort out long, coarse hay or straw particles if they exceed how many inches in length in a TMR?

2 to 3 inches (Hoard's Dairyman 2009)

126. What three states have the greatest number of National Junior Holstein Members?

Pennsylvania, Wisconsin, and New York (HAUSA Web Site 2010)

127. In what year was chocolate milk introduced?

1919 (Hoard's Dairyman 2010)

128. What element is a byproduct of overfeeding protein to heifers?

Nitrogen (Hoard's Dairyman 2010)

129. Camembert and Brie are two examples of soft cheeses. From what country did they originate?

France (Hoard's Dairyman 2010)

130. Humans need rest to stay healthy and the same holds true for cows. Lactating cows require how many hours of lying time each day?

12 to 14 hours (Hoard's Dairyman February 2011, p. 128)

131. In January of 2012 packaged meat will include what information?

Number of calories and other nutritional information (Hoard's Dairyman January 2011)

132. The myoepithelial cells are arranged in what shape which allows the muscle cells to cover a large area providing maximum contraction potential?

Star (Hoard's Dairyman March 2011, p. 184)

133. What country's 4.4 million cows outnumber its human population?

New Zealand (Hoard's Dairyman January 2011, p. 3)

134. What organization is responsible for the release of the 2011 Milk and Dairy Beef Residue Prevention Manual?

National Milk Producers Federation (Hoard's Dairyman January 2011, p. 3)

135. A naturally occurring fatty acid called trans-palmitoleic in dairy foods could help prevent diabetes. The acid cannot be made by the body, but can be found in the dairy fat of milk, yogurt and what other dairy product?

Butter (Dairy Herd Management February 2011, p. 28)

136. How often is the farm bill renewed?

Every 5 years (Hoard's Dairyman November 2010, p. 774)

137. What is the name of the undesirable recessive which causes early embryonic death, stillbirth and other physical deformities? It is estimated that 6 percent of Holstein cattle carry the gene.

Brachyspina (HAUSA Web Site March 2011)

138. Holstein cows require at least how many inches of body space on the stall surface to rest comfortably?

68 to 70 inches (Hoard's Dairyman December 2010, p. 831)

139. In what country does bovine TB remain a major threat to animal and human health and an obstacle for international trade?

Ethiopia (Hoard's Dairyman January 2011, p. 79)

140. What was the largest single ag export product in 2010?

Soybeans (Hoard's Dairyman March 2011, p. 195)

141. What percentage of Holstein cows with an RHA of 87% or higher must bear the owner's prefix in order to qualify for a Holstein Association USA PBR award?

At least 75% (HAUSA Web Site February 2011)

142. What should the average body condition score be for a high producing midlactation cow?

2.75 (Hoard's Dairyman February 2011, p. 128)

143. When doing soil samples be sure to check for what nutrient, which is essential for stalk strength?

Potassium (Dairy Herd Management February 2011, p. 8)

144. Farm transfers can take several years. What age is recommended as a good time to start thinking about the process if you own a farm?

54 to 56 (Hoard's Dairyman December 2010, p. 836)

145. When the Temperature Humidity Index is 68 degrees Fahrenheit respiration rate exceeds how many breaths per minute?

60 breaths (Hoard's Dairyman April 2011, p. 281)

146. Holstein Association USA has revamped its Total Performance Index putting less weight on what traits?

Health and fertility (Hoard's Dairyman March 2011, p. 160)

147. On most farms a 5,000 gallon truck-mounted manure spreader can haul manure at least how many miles before costs begin to exceed the nutrient value of the manure?

10 miles (Hoard's Dairyman December 2010, p. 818)

148. Travel lanes should be appropriately sized and built so cows know exactly where to go. Single cow lanes should be at least how many inches in width?

32 inches (Hoard's Dairyman February 2011, p. 96)

149. Every farm needs to establish an SOP with all phases of its operations and for its employees. What do the letters SOP represent?

Standard Operating Procedure (Hoard's Dairyman April 2011, p. 248)

150. A footbath solution should be changed after every how many cows?

150 to 200 (Hoard's Dairyman March 2011, p. 166)