

2005 AJSA National Classic

Senior Sire Summary Quiz

*Choose the best answer to the following questions

1. There is a strong, positive genetic correlation between 3 and 6 year old stayability. What is the value that the ASA uses for this correlation in its Stay EPD calculation?
 - A. .50
 - B. .68
 - C. 1.0
 - D. None of the above
2. True or False. A higher YG EPD is superior to a lower YG EPD.
 - A. True
 - B. False
2. True or False. Both ultrasound and actual carcass data are included in the calculation of the ASA's carcass EPDs.
 - A. True
 - B. False
4. What University was instrumental in developing our new Stayability EPD?
 - A. Cornell
 - B. Montana State University
 - C. University of Missouri
 - D. Colorado State University
5. Which of the new index EPDs might you prioritize for sire selection if you plan to keep no replacement females?
 - A. Terminal Index
 - B. All Purpose Index
 - C. Stayability Index
 - D. Marbling EPD

6. If a sire has a Maternal Weaning Weight EPD of +28 and a Milk EPD of +8 what should his Weaning Weight EPD be?
- A. +20
 - B. +40
 - C. +60
 - D. None of the above
7. True or False. A Simmental bull with a +30 WW EPD should sire comparable weaning growth to a Simbrah with the same EPD. (i.e. Simmental and Simbrah EPDs are directly comparable)
- A. True
 - B. False

For questions 8-13 use the following Simbrah bulls found on page 87.

- A. PVF Tech Malone
 - B. RX Becherovka D422
 - C. RX Texas Red H862
 - D. SCC Catalyst J227
8. Which bull should add the most ribeye area to a group of light muscled cows?
9. Which bull is most likely to sire beef with consumer concerns in terms of palatability?
10. Which bull appears to have tremendous terminal value?
11. Which bull is a trait leader for Birth Weight EPD?
12. Which most likely has no AI progeny registered with the ASA?
13. Which bull is certainly not homozygous polled?
14. True or False. This sire summary includes several 50 % Simmental, 50 % Angus, SimAngus bulls?
- A. True
 - B. False

15. In addition to American Simmental Association data, our genetic evaluation includes data from what other source (s)?

- A. American Maine Anjou
- B. American Chianina
- C. Canadian Simmental
- D. All of the above

16. True or False. A bull's Birth Weight EPD is also used in the calculation of his Calving Ease EPD.

- A. True
- B. False

17. Which of the following is not used to define separate contemporary groups for the ASA database?

- A. Date of birth
- B. Breed
- C. Sex
- D. Management group

18. What is the average Carcass Weight EPD for active Simbrah sires in the spring 2005 summary?

- A. -2.8
- B. 7.5
- C. 0
- D. None of the above

Use the following bulls found on page 66 to answer questions 19-25.

- A. KS Mathematician K977
- B. KS Red Zone
- C. Lazy S Red Hawk 189K
- D. LBR Testimony L625

19. Which bull would you expect to be the most profitable when used in a commercial herd that retains replacement females and sells market livestock on a value based harvest grid?

20. Which bull could be called the "curve bender"?

21. Which bull should generate a significant boost in the Quality Grades of his progeny?

22. Overall, the least progressive EPDs belong to which bull?

23. Which bull's daughters would you expect to have the greatest longevity?
24. Which bull's daughters would you expect to have the most difficulty calving as two year olds?
25. Which bull appears to have the most daughters with records in the ASA database?
26. If KS Red Zone was bred to an registered Angus heifer with an ASA Birth Weight EPD of -3.5 lbs., what would the BW EPD of the resulting offspring be?
- A. -3
 - B. -1.5
 - C. -.5
 - D. The EPD cannot be determined on percentage cattle with only this data
27. Weaning weight is usually considered what kind of trait?
- A. Quantitative
 - B. Qualitative
 - C. Congenital
 - D. Lowly heritable
28. True or False. There are not currently Calving Ease and Maternal Calving Ease EPDs for Simbrahs because a multi-breed methodology for calculating these EPDs has not yet been completed.
- A. True
 - B. False
29. Who is the ASA's Director of Performance Programs?
- A. Dr. Wade Shafer
 - B. Dr. Steve McGuire
 - C. Dr. John Pollak
 - D. Dr. Mike MacNeil
30. If the group average birth weight is 80 lbs. and one of the calves weighs 100 lbs. at birth, what would his ASA birth weight ratio be?
- A. 75
 - B. 100
 - C. 120
 - D. 125

31. Which of the following is the best single tool for selecting a bull to use on a group of virgin heifers to minimize calving difficulty?

- A. Actual birth weight
- B. Birth Weight EPD
- C. Calving Ease EPD
- D. Smoothness of shoulders

32. True or False. The ASA has EPDs available for Mature Height and Mature Weight.

- A. True
- B. False

33. Milk EPD is expressed in which of the following ways?

- A. Pounds of milk produced per day
- B. Pounds of milk produced per lactation
- C. Kilograms of milk produced per lactation
- D. None of the above

34. Which of the following traits is not included in the All Purpose Index EPD?

- A. Calving Ease EPD
- B. Mature Weight EPD
- C. Marbling EPD
- D. Tenderness EPD

35. The beef industry's very first gene marker assisted EPD is currently published in the ASA sire summary and is a taste of things to come for genetic evaluations of the future. For which trait is this new class of EPD published?

- A. Warner Bratzler Shear Force
- B. Stayability
- C. Direct Calving Ease
- D. Nice question, but there is no such EPD