



2023 NATIONAL FFA DAIRY CATTLE EVENT

HERD RECORD EVALUATION

Select the one cow that best answers each of the following 10 questions.

For questions 1 through 10, use the “herd record evaluation,” which is attached to the quiz.

1. Which cow should be the next one to calve after the testing date, assuming normal gestation length?
2. Which multiparous cow has the lowest mature equivalent for protein?
3. Select which cow will be the next one to be dried off after the testing date, assuming that breeding dates are accurate.
4. Determine the first lactation cow with the highest expectation among the cows for the value of a future lactation's production, relative to the herd average.
5. Indicate which cow has the lowest index value that selects for the improvement of milk, fat, and protein yield, somatic cell score and productive life.
6. Select the cow that will transmit the lowest expected breeding value to her offspring for milk.
7. Which cow has the highest mature equivalent for milk?
8. USDA August 2023 butterfat price was \$3.0218/lb. Which cow is contributing the highest monetary value to the milking operation based on butterfat production on test day?
9. Which early lactation cow is contributing the largest SCC deduction to the milk check? USDA August 2023 SCC adjustment rate was \$.00092 per 1,000 SCC.
10. USDA August 2023 protein price was \$2.0851/lb. Combining this with the price of butterfat and SCC adjustment, which cow was the least profitable on test day?

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