

## **Milk Quality and Products 2018 Team Activity Preparation**

Contestants will be provided a five month period of data from a given dairy farm. As a team they will analyze this data then make recommendations to that farm owner (a panel of judges).

Contestants will be provided photos of petri dishes for the current month's sampling. They should be prepared to determine standard plate count and preliminary incubation count while also interpreting results from a somatic cell count, beta-lactam antibiotic test and calculate titratable acidity with given values. Contestants will not physically be conducting the beta-lactam antibiotic test but instead will interpret if SNAP and Charm test results were positive or negative from provided photos. Likewise, contestants will not be physically doing the titration but will perform calculations with a given formula.

Each team will have 20 minutes to complete this activity and 15 minutes to prepare their oral presentation. Teams will be allowed 5-7 minutes to present their findings and recommendations to the farm owner (panel of judges) and judges may ask questions.

Each team will be given two scores. One score will be how well they work together as a team completing their activity and the other score will be their oral presentation. Judges will use the team scorecards found in the National CDE Rules resource material found at [https://extension.purdue.edu/4h/Pages/Career%20Development%20Events/Milk\\_Quality\\_And\\_Products\\_CDE.aspx](https://extension.purdue.edu/4h/Pages/Career%20Development%20Events/Milk_Quality_And_Products_CDE.aspx).

Each team will need to bring their own standard, non-programmable, calculator and pencils.