Milking speed meeting

Tuesday, November 30, 2021 11:57 AM

- Asha, João, Sophie, Jay, Steven, Robert, Jeff, self

- Review of international evaluations - Sophie
  - Most countries doing the same procedure
  - Subjective, farmer-reported
  - Milking speed vs. Milkability (speed + temperament)
  - Most report as RBV converted expression
  * Nobody using robot data for milking speed

* Updated status of ITB forms

  - How many records per animal necessary?
  - Why first lactation only?

  - What breeds?

  - Data from AMS systems collecting data not sent to ITB

- Robert - VAS milking speed data
  ~2 weeks of data, then start averaging data out
  - Capability to get TD data - milk amt and milking time

  PCDART
  - interfaces to get data from both AMS and traditional parlor
  - goes back ~9 months
  * How to capture the data & collect in a database
  * What data is necessary

  ~60% cows thru PCDART and DC305
  Others: DHIPlus and BoviSynch
  ↳ Jeff to reach out to them
  ↳ does not pull the data in

- Steve:
  - Collect data early in lactation → hard milkers get culled
    → other events happening to cow thru out lactation
  * Historical data is used

- Send pounds and minutes → amount + time

  * Data stored differently than it's displayed
    - Display calculations completed when the report is requested

- Steven to collect information regarding the most prevalent OEM systems
  ↳ How to standardize the data across systems

* Research questions → raw data for research and then recommend standardization protocols
  - Standardization at DRPC, CDCB, etc.
  - Rounded, smoothed data along the way...

- AMS - record "box time", "prep time", milking time
  Time in / time out, etc.

- Milking speed
  - truncated value
  - standardized
  - automatic detachment threshold

- Recommendation on collection of additional data
  E.g., robotic data
  - Establish pathway with milking speed data

- Bulls + cows evaluation

- Breed specificity -
  - Brown Swiss
  - Jerseys - fast milkers?

- PAC meeting → wait until we have something to present?

- Can we get data from other DRPCs?
  - VAS - DC305
    - Do they have archived data?

- What are the next steps? Timeline, etc.
  RF - Find a couple of herds to collaborate & supply data
  ↳ Herds with different systems
  AM - Use available PCDART data
  RF - Important to have the details of the different systems

  * More preliminary understanding is required → research
  ↳ Budget - time, data expenses, etc.
  - Questions to be answered in order for TF to continue
  - What does committee need from researchers

  - Document with the questions that we can all edit → Asha to draft preliminarily
  - Identify editing constraints that are needed for these data

- No collab with Amelicor → system not designed for that data collection

- Next meeting → January - week of the 18th (maybe Thur/Fri)
  - Asha will send poll
  RF to determine if a herd can be shared with milking speed data

- Redmine -
  - PDF show immediately; word documents must be downloaded first
  - Live document will not be there