INCORPORATING PRIVATE INDUSTRY DATA INTO CAST

HILLANDALE LAYER FACILITY DATA

November 2021 AgWG Meeting

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THE PROBLEM

- **Hillandale Farms, Inc.**
  - CAFO layer facilities in Adams & York Counties are not accounted for in CAST.
  - Hillandale Farms is the largest CAFO in PA.
  - **Adams County in 2017:** 4,630,608 layers
  - **York County in 2017:** 1,229,125 layers

- **How do we know this?**
  - This population is not represented in the Ag Census.
  - **Adams Ag Census 2017:** 210,832 layers (192 Farms)
  - **York Ag Census 2017:** 274,531 layers (343 Farms)

Reviewed Ag Census and NASS Survey to **determine Hillandale Layer population was not present.**

AVAILABLE

Facility Layer Inventory Data used **to derive a Change Product** to combine with existing CAST layer population.

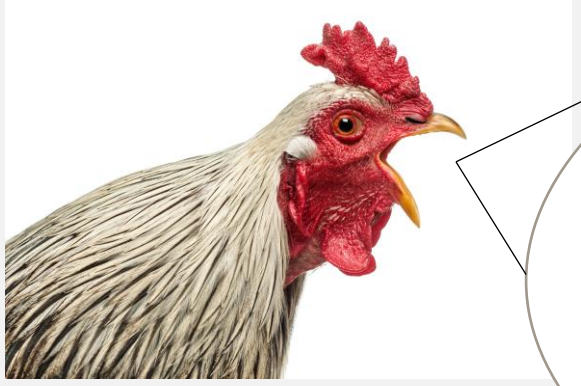
ON DATA

NMPs and CAFO permits used to **cross check facility numbers.**

1. 2017 NASS (National Agricultural Statistics Survey) **Census of Agriculture**
2. **NASS Annual Statistical Survey**
3. Hillandale Farms **Facility Layer Inventory Data**
4. Nutrient Management Plans **(NMPs)**
5. **CAFO** (Concentrated Animal Feeding Operation) Permits
6. Pennsylvania Manure Management Plans **(MMPs)**

TO INCORPORATE OR TO NOT INCORPORATE, THAT IS THE QUESTION.

POINTS RAISED AT THE OCTOBER MEETING IN SUPPORT OF ADDING THE HILLANDALE DATA



- This large gap in poultry numbers needs to be addressed.
- We should use the best available data to supplement the gaps that are observed in the census and NASS data.

POINTS RAISED AT THE OCTOBER MEETING AGAINST ADDING THE HILLANDALE DATA (AS IS)

- How do we QA/QC industry data?
- Finding and incorporating different/numerous datasets may prove to be complex.
  - If we open ourselves up to numerous datasets, we may need to open up to different monitoring datasets are well.
- If Hillandale is reporting to NASS and the Ag Census, then we should be receiving this data from the Ag Census and NASS.
- Equitability of accessible data across states/facilities/industries.

POTENTIAL OPTIONS BASED ON COMMENTS PROVIDED

- **Guiding Question:** Should we work towards a solution for CAST-23?

- **Option 1:** Utilize the CAFO permits and NMPs to verify the data provided by the facility to ensure that the most accurate data available is being utilized in the modeling tools.
  - *What QA/QC standards is private industry held to? Is it comparable to standards states are held to?*
  - *Would the change in loads due to the incorporation one facility's data require current WIPs to be altered? Is the increase in loads in states outside of PA equitable?*
- **Option 2:** Utilize NASS Annual Survey to increase the total layer population in CAST.
  - The NASS Annual Survey Layer Population is larger than the Ag Census Total Population but does not close the gap between the current layer population and the Hillandale Layer Population in Adams and York Counties.

POTENTIAL OPTIONS BASED ON COMMENTS PROVIDED

- **Guiding Question:** Should we work towards a solution for CAST-23?

- **Option 3:** Pool population data resources together across states to determine what data sources exist for supplementing the Ag Census.

- **Option 4:** Refrain from utilizing industry data as not every state or every industry has access to the same quality of data. Including industry data from one facility could lead to a data equity issue. In addition, operations should not be singled out. Data should be incorporated through existing avenues, like the Ag Census.
  - *How do we reconcile the fact that our current data does not account for this large operation?*

BOTTOM LINE

We must determine if private industry animal population data is appropriate to incorporate into our modeling tools.

ADDITIONAL QUESTIONS FOR REFERENCE

QUESTIONS POSED TO THE WG

- **To discuss and determine which data sources are acceptable alternatives or supplements to the Ag Census.**
  - For Hillandale, this data would supplement the Ag Census within CAST.
- **Is facility data an acceptable supplement or alternative to the Ag Census?**
- How do we identify gaps in our existing animal populations that are present due using only the Ag Census as a basis for animal populations in the model?
- Once gaps are identified, how do we fill them?