

Commercial Poultry Production Data Collection in the Chesapeake Bay Region

Agriculture Workgroup Meeting
Chesapeake Bay Program Office
October 9, 2014



UNIVERSITY OF
MARYLAND
EXTENSION

Solutions in your community



Chesapeake Bay Program

A Watershed Partnership

Mark Dubin
Agricultural Technical Coordinator

University of Maryland Extension–College Park
College of Agriculture and Natural Resources

Department of Environmental Science & Technology
mdubin06@umd.edu

EPA Chesapeake Bay Program Office
mdubin@chesapeakebay.net

Poultry Litter Subcommittee

- ▶ New: State Commercial Poultry Production Litter Data
 - Litter nutrient concentrations
 - Litter mass generation
- ▶ Recommending annual industry poultry production data.



Commercial Poultry Production

▶ State Poultry Production Data

- PLS state data limited to primarily litter nutrient concentration, and some litter volume production data.
- USDA–NASS Agriculture Census poultry production data limited to single day populations (12/31).
- Additional data still required to calculate poultry litter nutrient balances annually.

▶ Industry Poultry Production Data

- Commercial integrators collect data on each flock:
 - Number of birds placed and harvested
 - Weights of harvested birds
 - Days in house


Commercial Poultry Production

- ▶ Commercial Integrator Poultry Production Survey Pilot Proposed
 - USDA–NASS poultry production survey with commercial integrators vs. growers.
 - Flock level data will be aggregated to the county scale to protect private information.
 - Annualized production data set.
 - Six state survey (full state surveys).
 - Pilot proposed to address the following bird types:
 - Broilers
 - Layers
 - Turkeys
 - Resulting data published for CBPO model use.

Commercial Poultry Production

▶ Commercial Integrator Poultry Production Survey Pilot Proposed

◦ Proposed Pilot Timeline:

- Late October, 2014
Pilot Cooperative Agreement signed.
 - Late Spring/Early Summer 2015
USDA–NASS survey with commercial integrators.
 - Early April 2016
Aggregated county scale survey data.
 - Late Spring/Early Summer 2016
Aggregated county scale data published.
- 

Commercial Poultry Production

- ▶ Penn State University (PSU)
 - PSU selected to serve as the Academic Cooperator with USDA–NASS for the pilot.
 - Administer project funding
 - Receive aggregated data from USDA–NASS
 - Publish project data.
 - PSU cooperating with Pennsylvania DEP to convey EPA Region 3 for project.
 - PSU and PADEP modify existing master funding agreement
 - PSU cooperating with regional land grant universities to review and publish comprehensive report based on USDA–NASS aggregated data.

Commercial Poultry Production

- ▶ USDA National Agricultural Statistics Service (NASS)
 - USDA–NASS selected to serve as the Data Collector and Aggregator for the pilot.
 - Implement Project Funding
 - Collect Poultry Production Data from Poultry Integrators
 - Aggregate Project Data
 - Review and Submit Aggregated Data to PSU
 - USDA–NASS cooperating with PSU.
 - PSU maintains two existing cooperative agreements with USDA–NASS under the College of Agriculture.
 - USDA–NASS will evaluate pilot project data with PSU to determine completeness of data results of pilot.

Commercial Poultry Production

- ▶ Pennsylvania Department of Environmental Protection (PADEP)
 - PADEP selected to serve as the fiscal Jurisdictional Partner with PSU for the pilot.
 - Administer federal project funding
 - Receive EPA Region 3 CBRAP funding
 - PADEP cooperating with EPA Region 3 for project.
 - PADEP and EPA modifying CBRAP scope of work and budget.

Commercial Poultry Production

- ▶ Regional Poultry and Egg Integrator Associations
 - Regional Commercial Poultry Associations and Integrators cooperating with USDA–NASS to serve as the Commercial Data Partner for the pilot.
 - Sign data release agreements with USDA–NASS
 - Participate in USDA–NASS production data survey
 - Poultry Associations cooperating with the pilot partners.
 - Providing educational outreach to regional integrators.



Questions & Comments

