

Characterization Study

Turkey Industry

September, 2016

Purpose

Identify Characteristics of the regional Commercial Turkey Industry to Improve the Model Data Inputs for Scenario Builder and the Phase 6 CBW Model

Identify Bird Types	How Grown	Weight	Litter Produced/tons	Flocks/yr.	Flock/ between cleanout
• Hens	Brooder				
• Toms	Single Stage				
	Two Stage				
	Three Stage				
	Finishers				

Status of Work Performed by Virginia Tech

Interns contacted and collected current and historical data on 217 growers in Virginia.
Information collected involved two integrators: Cargill and Poultry Producers Cooperative.
Cargill produces all Hens and the Cooperative produces all Toms.

Status of work

- Contacted and collected historical and current data from 160 growers.
- Collected litter samples from 146 growers whose samples were over 12-14 months old.
- Identified following types of birds grown:

- **Hens**

- Single Stage 3- Stage Finisher
 - 2-Stage Brooder

- **Toms**

- Single Stage Brooders
 - 2-Stage

Status of Work

Producer Data Collection Points Completed

- 51 Finishers
- 36 Two Stage
- 31 Single Stage
- 28 Brooders
- 14 Heavy Toms

Status of Work

- Also Identified number of flocks/year
- Population/flock
- Number of Flock between clean out
- Tons of litter at clean out
- Number of crust outs and tons removed at each event
- Litter Analysis :TKN; NH₄; P₂O₅; K₂O; Na; Ca; Mg; % Moisture
- Additives made to litter

Status of Work

- All Information Sent to VT PI for Analysis, grouping, statistics reporting etc.
- The Turkey Analysis report will be provided to the AgWG for review in advance of the October 20th meeting.