Salmonella Enteritidis Monitoring and Control in the Table Egg Industry

December 1st, 2010
Outline

- Start Clean-Stay Clean™
- Program Implementation
- SE Protocol
- Provincial SE Protocols
- The Next Generation – Start Clean-Stay Clean™: Pullet
- Vaccination as a Control Measure
- Audit and Compensation
- New Initiatives
- Sampling and Testing Methodology for the Detection of SE
- Housing and Manure Management
- Unregulated Flocks and Divergent Government Policies
Based on our first OFFSP: *Safe From Salmonella*

The Start Clean-Stay Clean™ Program is a generic, voluntary HACCP-based on-farm food safety industry program (OFFSP) with the following aim:

- To reduce and prevent, and where possible eliminate, biological and chemical contaminants in the production unit environment, the pullet, the hen and primarily the egg.
Program Implementation

- **CFIA recognition, a 3-stage process:**
  - Stage 1: technical review
  - Stage 2: on-farm implementation of the program
  - Stage 3: third-party audit

- The Start Clean-Stay Clean™ Program is based on HACCP management principles and Good Management Practices

- On-Farm 3-part audit conducted by trained inspectors
- Provincial Boards test for SE
- Environments tested 8-10 weeks prior to end of lay
- Eggs diverted to pasteurization in rare cases of an SE+
Provincial SE Protocols

- **Quebec:**
  - Test layers 4 times per cycle
  - Test pullets 2 times per cycle

- **Ontario:**
  - Test pullets 1 time per cycle
  - Vigorous post positive testing
The Next Generation
Start Clean-Stay Clean™: Pullet

- National OFFSP for pullets
- Based on HACCP principles and Good Management Practices
- CFIA Technical Review
Vaccination as a Control Measure

- Good control measure – with its limitations
- Vaccination is only one control measure
- Dr. Boulianne’s research involving one bacterin with two immunizations resulted in partial protection for layers
Audit and Compensation

- Audit tied to level of EFC compensation received
- Full compensation based on receiving at least 90% on Part 1 and full points for the cooler
- Percent score for ratings under 90% equals percentage of compensation received
New Initiatives

- **New compensation model**
  - Risk management tool for producers with business losses due to SE on their farm
  - Insurance program to be tied with Start Clean-Stay Clean™ and the SE environmental sampling program
  - National in scope

- **Traceability**
  - National standards development
  - Product tracking and tracing
  - Meets government traceability objectives
Provincial protocols may vary

Challenges with laboratory sample processing turnaround times and human and financial resources available.
Housing and Manure Management

- Manure management for odor control
- New bird housing systems
Unregulated Flocks and Divergent Government Policies

- We have no control over backyard flocks
- Unregulated producers may follow different or limited food safety programs
- Divergent policies among government portfolios
Thank You