



CENTRUM
VALLEY FARMS



Salmonella Control
Past Present and Future
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Today's Discussions

- Past Incident Rates
- Past Control of Salmonella
- Present Control of Salmonella
- Centrum Valley Farms Experience
- Future Control of Salmonella



Past Incident Rates

Salmonella Enteritidis Incident Rates

- Prior to the 1980's 0.55 per 100,000 people
- Incidents in 1980's 2.4 per 100,000 people
- Incidents in 1990's 3.9 per 100,000 people
- Incidents in 2000's 2.0 per 100,000 people

All Salmonella Incident Rates

- 10.7 Incidents per 100,000 in 1976
- 24.3 Incidents per 100,000 people in 1985
- 12.0 Incidents per 100,000 people in 1999

Salmonella: Past Control

In the later 80's and early 90's industry started to take SE serious:

- Started Trace Back Programs
- On- Farm Testing
- Quality Assurance Programs/HAACP
- Regulation Regarding Refrigeration in 1990
- Safe Handling Instructions for Eggs
- Enhanced Surveillance

Salmonella: Past Control

1992: 38% of Flocks SE + 76 Farms

Source: Paul Patterson, Pennsylvania State University, Introduction to Food Safety, Salmonella Enteritidis (SE) and PEQAP



Past Control: Pennsylvania

1994: Pennsylvania Egg Quality Assurance Program (PEQAP)

- Chick Testing
- Pullet Testing
- Layer Testing
- Egg Testing
- Critical Control Points
 - SE Free Chicks/Breeding Stock
 - SE Clean Environments
 - Rodent & Fly Control
 - Egg Refrigeration
- On Site Facility and Documentation Inspections
 - Monitored by Pennsylvania Department of AG

Salmonella: Past Control

December 1999 the President Council on Food Safety announced an Egg Safety Action Plan

Goal:

- Reduce Salmonella incidents by half before 2005
- Elimination of Salmonella by 2010

Salmonella: Past Control

2010 1.9% of Flocks SE + 180 Farms

Source: Paul Patterson, Pennsylvania State University, Introduction to Food Safety, Salmonella Enteritidis (SE) and PEQAP



Salmonella: Current Control

July 2010 FDA Egg Safety Rule

- Bio-Security Program
- SE Prevention Plan
- Environmental Testing
- Egg Testing
- Record Keeping

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Where do we start?

- Breeder
- Hatchery
- Pullets
- Layers
- Feed



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Salmonella: The Future

- Food Safety Modernization Act 2010
- FDA/ Mapping Strains
- Level Playing Field?
- Testing
- Pro Active approach
- Communication

