A Poultry Industry Veterinarian’s Perspective on Avian Influenza (AI)

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Scope of the three Poultry Industries (Broilers, Table Eggs, Turkeys)

- Goal of the Three Industries
- Size and Diversity
- Infrastructure
Scope of the three Poultry Industries (Broilers, Table Eggs, Turkeys)

Goal of the three industries
- Continue to Produce High Quality Food for the Consuming Public

Consumption

<table>
<thead>
<tr>
<th></th>
<th>Domestic</th>
<th>Export ($)</th>
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<tbody>
<tr>
<td>Eggs</td>
<td>253 eggs/person</td>
<td>28,000,000</td>
</tr>
<tr>
<td>Turkeys</td>
<td>16 lbs/person</td>
<td>337,000,000</td>
</tr>
<tr>
<td>Chickens</td>
<td>87 lbs/person</td>
<td>1,500,000,000</td>
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</tbody>
</table>
Scope of the three Poultry Industries
(Broilers, Table Eggs, Turkeys)

- Size and Diversity – Top Ten States

- Broilers – 8,740,000,000 (Breeders)
- Turkeys – 270,192,000 (Breeders)
- Egg Type – 278,300,000 (Breeders)
Scope of the three Poultry Industries (Broilers, Table Eggs, Turkeys)

Communication Network

- Industry Trade Associations
  - National Chicken Council (NCC)
  - National Turkey Federation (NTF)
  - United Egg Producers (UEP)
  - US Poultry and Egg Association (USPEA)
  - State Associations
Scope of Poultry Veterinary Medicine

Professional Veterinary Groups

- American Veterinary Medical Association (AVMA)
- American Association of Avian Pathologists (AAAP)
- American College of Poultry Veterinarians (ACPV)
- Association of Veterinarians in:
  - Broiler Production
  - Turkey Production
  - Table Egg Production
**Scope of Poultry Veterinary Medicine**

*Interaction of Federal, State and Industry Professionals*

- United States Animal Health Association (USAHA)
  - Transmissible Diseases of Poultry Subcommittee
- National Poultry Improvement Plan (USDA/APHIS/NPIP)
- National, Regional and Local Meetings
- National, Regional and Local Laboratories
- USDA Accredited Veterinarians
Disease Control for Protection of our flocks and to keep the Confidence of our Domestic and International Customers

- Vertical Integration
- Housing and Biosecurity Standards
- Disease Prevention and Monitoring
- Industry, State, USDA Emergency Poultry Disease Plans for Quick Response
Overview of Vertical Integration

- Primary Genetic Stock
- Breeder Flocks
- Fertile Eggs
- Hatchery
- Chicks
- Broiler Farms
- Young Chickens
- Processing Plant
- Feed Mill
- Feed Ingredients
- Feed
- Chicks
- Administration
- Food
- Customer
Vertical Integration
Vertical Integration
Vertical Integration
Vertical Integration
Disease Prevention & Monitoring

- Surveillance
- Diagnostic Submissions
- USDA/APHIS/NPIP
- “Ramp Up” Capabilities
- New Technologies


**Disease Prevention & Monitoring**

- New OIE Terminology (NAI) Focus on H₅ & H₇
- Compartmentalization
  - An Accepted International Concept
    - Commercial vs non Commercial Poultry
    - Wild Birds vs Commercial Poultry
    - Geographic Areas
      - Regions
      - States
      - Country
    - Between Integrators
    - Must be Real
United States and Avian Influenza

- Learn from Experiences (Emergency Disease Plans)
  - Early Detection
  - Quick & Aggressive action
- Excellent Infrastructure
  - Must Be Continuously Improved
- Mother Nature
- Intentional Introduction
Food for Thought

Small World
Food for Thought
Heifer International Experience
Live Bird Movements

- Live Bird Market System
- USDA H5-H7 LBMS Program
- Auctions
- “Flea” Markets
- Other
Food for Thought [Controllable]
Alternative Poultry Production Practices

Free Range Bird
Mixed Population Rearing
Food for Thought [Controllable]
“Free Range” Poultry (Outdoor Access/USDA Organic Poultry)
Food for Thought  [Not Controllable]  
Migratory Birds
Food for Thought
Live Bird Markets
Food for Thought
Live Bird Auctions
Understand, Recognize and Value the Modern Poultry Food Production System