H5N2 HPAI in Minnesota

USAHA
Providence, RI – October 26, 2015

Dr. Shauna Voss
Minnesota Board of Animal Heath
Minnesota Preparedness

“We were ready for a tornado, not a tsunami.”
– Dr. Bill Hartmann

- Tabletop exercises
  - Communication
  - Permitted movement
- LPAI events
  - MN Plan
- Depopulation
  - Foamer
HPAI Hits MN

• March 2
  — Report of unusually high mortality in Turkey Breeding Flock

• March 5
  — HPAI confirmed

Pope 1 – March 4, 2015
Pope County Response Timeline

March 5
- IC post – Willmar
- USDA press release

March 6
- Depopulation starts
- ID premises in zones

March 7
- Depopulation complete
- Backyard surveillance initiated (buffer zone)

March 8
- IC post – St. Paul
- Sampling continues

March 9
- Buffer zone testing complete
- Flock plan circulates for signatures

March 10 - 11
- IMT stand down
- Surveillance zone contacts done
It wasn’t a “One and Done”...

• March 27 – 2\textsuperscript{nd} case (64 mi. away)
• March 28 – 3\textsuperscript{rd} case (35 mi. away)
• April 2
  – 7 cases and counting
  – USDA IMT requested
Epidemiologic Curve

Governor Dayton declares Peacetime Emergency
Minnesota Statistics

• Total number birds affected: 9,352,927
• Total number of premises affected: 110
  – 104 turkey
    • 75 commercial meat-type
    • 23 commercial breeding
    • 6 dangerous contacts
  – 4 chicken layers
  – 1 chicken pullets
  – 1 backyard
• Total number of counties: 23
Disposal

Board approved methods:

• Compost
  – Indoor composting
  – Outdoor on-site composting
  – Off-site composting

• Burial

• Landfill

• Incineration
Lessons Learned

- Problem
- Opportunity
#1: Resources

- Don’t be afraid to ask for help
  - People
  - Supplies (water!)
  - Emergency Operations Center
Depopulation

• MN got behind
  – Water
  – Foam
  – Foamers
  – Layers?

• Need to depop within 24 hours of diagnosis
#2: NAHLN Laboratory Capacity

- Sample collection
  - Supplies
  - Submission Forms
- Sample transport
  - Courier Service
- Sample testing
  - NAHLN trained technicians
#3: Premises Identification

- National PIN are critical for:
  - Sample reporting
  - Appraisals and indemnification
#4: Transparency, Communication, Collaboration

- Just-In-Time Information
  - NAHLN Results
  - Contacts
- Industry-State-USDA meetings at EOC
- Epidemiology
- Restocking Progress
#5: Don’t Underestimate Biosecurity

- Producers, Responders
  - Compliance
- Premises Specific
  - “Virus Containment Plan”
- Regional Biosecurity
#6: “Flexible” HPAI Plan

- Ability to expand
- Many moving parts to a response
- Expect the unexpected

Bird Exhibitions Cancelled for 2015 Season

The Minnesota Board of Animal Health has issued a directive to cancel bird exhibitions and other commingling of birds through the end of the year. View the news release to learn more.
Questions?