Use of Foam in the Field
- Water based foam used in 4 US responses
  - Positive AIV test
- West Virginia (2007)
  - 25,000 turkey farm
  - H5N2 antibodies
- Virginia (2007)
  - 54,000 turkey farm
  - H5N1 antibodies
- Idaho (2008)
  - 30,000 pheasants, quail, pigeons, ducks
  - H5N8 antibodies
- Texas (2009)
  - ILT, 400,000 birds
• First large scale comparison
• Two foam technologies
  – Medium Expansion
  – Foam generator
• 2,500 broilers / treatment
• Foam Generator
  – Water: 3463 L
  – Foam: 34 L
  – Cessation: 11:06 (m:s)
• Nozzle
  – Water: 3678 L
  – Foam: 37 L
  – Cessation: 8:46 (m:s)
• AIV positive turkeys
  – 25,000 turkey farm
  – H5N2 antibodies

• Two systems used
  – Nozzle
  – Generator

• Nozzle
  – High water consumption
  – Improvements to system
  – Water: 113,562 L

• Generator
  – Functioned as designed
  – Culled three buildings
  – Water: 45,000 L
• Approximately 20 houses positive for ILT
  – ~400,000 birds depopulated
  – 3 wks old
  – Driven to end
  – Depopulated en mass
  – Two CAFS systems used