

# Avian Influenza Workshop

## Easel Discussion Points Summary



- Responder preparations
  - Medical monitoring
  - PPE fit testing – get it done before the outbreaks occur.
  
- Balance animal health and environmental needs.
  - Fumigation
    - Sabre (company used)
    - Fumigating with chlorine dioxide – what are the requirements?
  - Leachate/groundwater
    - Is having the virus in the leachate/groundwater an issue we should be concerned with?
  
- Plans are developed for cattle and hogs – how do they need to be modified for poultry?
  
- How to quickly depopulate and minimize virus shed – foam vs. CO2 vs. turning off the ventilation?
  
- Have/require all producers pre-plan for mass casualties.
  - Tell farms not yet affected to ‘dust off their plans’ and re-evaluate.
  
- Needs
  - Authority to require reporting of all backyard flocks and small farms.
  - Better/definitive guidance on cleaning and disinfection – what is clean?
  
- Don't limit your disposal options, but evaluate carefully!
  - Know what your disposal options are.
  - Talk to Iowa – a good resource.
  
- Burial
  - A study done by Nebraska on leachate from burial sites will be on the NDEQ website.
  - Can states require deceased diseased animals be buried?
  - Proper sizing/capacity of trench
    - Kansas has a trench design tool
  - Call it treatment in the ground, not burial.
  - Keep the burial zone in the root zone and out of the water saturation zone.
  
- Incineration
  - Variances were issued to allow quicker deployment of incinerators into the field.
  - Cost of the incinerator units is a concern.



- Composting
  - Mice are a bigger concern than flies for vectors.
  - If composting is not occurring, what is the virus longevity?
    - The main concern is insufficient virus kill if the composting cycle is not completed/finished
  - What is the optimal size for carbon sources for the compost piles?
    - The optimal size is greater than one inch.
  - For successful composting, you need to have producer and worker buy-in.
  - Does anyone have any BMPs for composting they can share?
  - Has any state made considerations for allowing 'emergency' composting for amounts over 10,000 cubic yards?
  
- What were the benefits of a Governor's Declaration?
  - NE: enabled a more rapid response
  - IA: it waived requirements for driver hours and weight limits on the roads
  
- Is there a national composting guidance document?
  - One is in the works, but is waiting for approval for release
  - Contact Laurie Miller (not sure on name spelling)
  
- Has there been a cost analysis done for the various disposal options?
  - No one indicated any knowledge of such an analysis, but the information will be available.