



## A Guide to the Training and Educational Materials

### Introduction

Animal agriculture is an essential component of the U.S. and Iowa's economy. The impact of an animal disease emergency or outbreak in livestock or poultry could be devastating. Animal disease emergencies can involve any number of diseases that may affect large numbers of livestock, resulting in severe economic consequences, including high death rates or high levels of illness in animal as well as loss of production. Most of these diseases will also have trade implications, including embargos and import restrictions. Some of the diseases may impact human health by illness or by mental health impact from the loss of animals and livelihood.

Rapid response to such a situation will be necessary to stop the spread of the disease and will require interaction between local, state and federal agencies and personnel. Preparedness at the local level will greatly aid in implementing the response and recovery efforts needed for an animal disease emergency and serve to protect animal health, human health and our economy.

These materials were developed to help Iowa communities prepare for and respond to an animal disease emergency. The materials were developed to be delivered and disseminated by county emergency managers, extension specialists or other preparedness trainers to community stakeholders. The involvement of veterinarians in addressing disease specific issues is encouraged.

### Audiences

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The materials developed were designed for 5 different audiences:

**1) Animal Industry**

(e.g., producers, farm employees, veterinarians, veterinary technicians, animal-associated industries: feed elevators, livestock transportation, lockers, food processors)

**2) Local Government Officials**

(e.g., mayors, city council members, county board of supervisors, conservation and natural resources, municipal utilities, local media and marketing groups)

**3) Emergency Responders**

(e.g., emergency management, law enforcement, fire and HAZMAT personnel, public health, health and human services, human medical professionals, counselors, clergy and other mental health professionals)

**4) Local Business Owners**

(e.g., financial institutions (banks, credit unions, lending agencies), service industries (U.S. mail, UPS, Fed Ex, other delivery), utility workers, grocery stores)

**5) General Public**

(e.g., pet owners, K-12 educators, community colleges)

All materials listed can be found on your training CD. The materials are also available on the web at [http://www.cfsph.iastate.edu/animal\\_response/](http://www.cfsph.iastate.edu/animal_response/).

## **Audience Specific Overview PowerPoint Presentations**

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This folder contains five scripted PowerPoint presentations (.ppt) developed for specific stakeholder audiences. Each slide of the presentation contains speaker notes to guide the trainer. Printable speaker notes are found in the 'SPN' (speaker notes) files accompanying the PowerPoint; these can also be used as a study guide. Each presentation addresses similar topics, but to various degrees (depth), depending on the target audience. The basic outline addresses the topics listed in the 'topic specific PowerPoint presentation' section below, but presents them in a Prepare-Prevent-Respond-Recover format. The presentations can be customized to reflect county specific information.

- A1. Animal Industry**
- A2. Local Government Officials**
- A3. Emergency Responders**
- A4. Local Businesses**
- A5. General Public**

## **Topic Specific PowerPoint Presentations**

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These scripted PowerPoint presentations (.ppt) address the specific topics addressed in each of the audience presentations. They are designed to allow you to provide more information on the topic if needed for a specific audience. Each slide of the presentation contains speaker notes. Printable speaker notes are found in the 'SPN' (speaker notes) file accompanying the PowerPoint presentation.

- S0. Importance of Agriculture**
- S1. State of Iowa Response Agencies and Plans**
- S2. Federal Response Agencies and Plans**
- S3. NIMS and ICS**
- S4. Response to an Animal Disease Emergency**
- S5. General Prevention Practices**
- S6. Managing Disease Risk**
- S7. Business Continuity**
- S8. Animal Disease Emergency (ADE) Pathogens** (This PowerPoint contains 3-4 slides on each of the high consequence livestock pathogens and serves as a quick overview of the disease)

## **Educational Handouts**

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This folder contains several 1-2 page handouts for distribution to audiences after an overview presentation or as an educational tool during planning meetings or exercises.

- H1. State of Iowa Agencies, Plans, and Programs**
- H2. Federal Agencies, Plans and Program**
- H3. National Response Framework**
- H4a. National Incident Management System (NIMS) and Incident Command System (ICS)**
- H5a. Steps in an Animal Disease Emergency**
- H5b. Quarantine Structure for an Animal Disease Emergency**
- H5c. Animal Disease Emergencies: Carcass Disposal Methods**
- H6a. General Disease Prevention Practices for Farms**
- H6b. Animal Disease Emergencies: Cleaning and Disinfection Overview**
- H7. Business Continuity Planning**

- H8a. Disease Transmission Routes**
- H8b. High Consequence Livestock Pathogens (by species)**
- H8c. High Consequence Livestock Pathogens Table**
- H9. Preparedness for Animal Disease Emergencies: What You Can Do**

 **High Consequence Livestock Diseases Educational Materials**

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Technical and overview information on specific animal disease emergency pathogens (also called high consequence livestock pathogens) have also been included. These materials can be incorporated into the overview presentations or be used as just-in-time training in the event of an ADE.

Each disease has a ‘**FastFacts**’ (one-page overview of the disease written for general audiences), a **technical disease fact sheet** and comprehensive (more technical) **PowerPoint** presentation (named as **LONG**) for more in depth information on each disease. Each PowerPoint slide contains speaker notes to guide the trainer; involvement of your local veterinarians is encouraged to assist you with these topics. Printable speaker notes are found in the ‘SPN’ (speaker notes) files accompanying the PowerPoint, which can be used as a study guide. Information for the following diseases has been included:

African Horse Sickness	Equine Encephalitides	Nipah Virus
African Swine Fever	Exotic Newcastle Disease	Peste des Petits Ruminants
Anthrax	Foot and Mouth Disease	Q Fever
Avian Influenza (highly pathogenic)	Glanders	Rift Valley Fever
Bluetongue (exotic)	Heartwater	Rinderpest
Bovine Spongiform Encephalopathy	Hendra	Screwworm Myiasis
Brucellosis	Japanese Encephalitis	Sheep and Goat Pox
Classical Swine Fever	Lumpy Skin Disease	Swine Vesicular Disease
Contagious Bovine Pleuropneumonia	Malignant Catarrhal Fever (exotic)	Tularemia
Contagious Caprine Pleuropneumonia	Melioidosis	Vesicular Stomatitis Virus (exotic)

 **Livestock Disease Prevention Practices**

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These multi-page documents address prevention measures that producers can use on their farms to prevent introduction of disease before or during an outbreak as well as preventing the spread on or off of their farm. Each document addresses a specific species and contains an assessment checklist to help identify areas requiring attention.

- PP1. Cattle**
- PP2. Swine**
- PP3. Sheep and Goats**
- PP4. Equine**
- PP5. Poultry**

 **County Response Plan Template**

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Counties must plan and prepare for the roles and activities that may be necessary during an animal disease emergency. To aid with this process a Response Plan Template has been developed. The template is designed as an annex to the county’s local emergency operations plan. Counties will need to identify key assets and hazards, participating agencies, organization, resources and determine factors unique to each

community for inclusion or modification to the template. Also included is a Strategic Planning Worksheet to assist in the planning and developing process.

**Local Response Template for Animal Disease Emergencies**  
**Animal Disease Emergency Strategic Planning Worksheet**

 **Animal Disease Emergency Functional Exercises**

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Once local response plans have been developed, they should be tested to determine vulnerabilities and additional assets, personnel or processes needed to adequately and ably respond to an animal disease emergency. Two tabletop exercises and a functional exercise have been included for this purpose. Moderator and participant versions have been developed for each exercise. The HSEEP Exercises Reporting Form has also been included.

**Tabletop Exercise: Foot and Mouth Disease (Moderator and Participant versions)**

**Tabletop Exercise: Exotic Newcastle Disease (Moderator and Participant versions)**

**Functional Exercise: Foot and Mouth Disease at the County Fair**

**Iowa HSEEP\_AAR\_Exercise Reporting Form**

 **Additional Resources**

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- **CFSPH Public Speaking Handbook:** Prepared by Amy Slagell, PhD, public speaking specialist in the Department of English at Iowa State University, this guide provides tips for preparing, developing and delivering effective presentations. The information and suggestions are very useful, even to those with extensive public speaking experience.
- **PowerPoint User Guide:** This document provides tips and instruction on how to display, design and print your PowerPoint presentations.

 **CFSPH Background**

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These materials were developed by the Center for Food Security and Public Health at Iowa State University, with funding from the Iowa Homeland Security and Emergency Management and collaboration with the Iowa Department of Agriculture and Land Stewardship.

- **Acknowledgments**  
Authors, co-authors, and reviewers for the presentations and educational materials.
- **CFSPH Overview**  
General information about the Center for Food Security and Public Health and its activities.
- **CFSPH Personnel**  
Brief biographies of the CFSPH personnel

 **Blank Presentation**

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For use when you want to create the SpeakerNote layout (slide on the right/notes to the left) of your customized PowerPoint presentation. The directions in the PowerPoint User Guide: PowerPoint Printing Guide refers you to this file.