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A National Animal Identification System (NAIS)

United States Department of Agriculture
Animal and Plant Health Inspection Service
Veterinary Services








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National Animal Identification System Focus and Goal...

*Maintaining the **health** of the U.S. herd is the most urgent issue for the industry and animal health officials to address.*




*The goal of the National Animal Identification System is to have the capability to identify all premises that had direct contact with a foreign animal disease (FAD) within **48 hours** after discovery."*

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Essential Components

- National Premises Identification System
- National Animal Identification
- National Animal Tracking System

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National Premises Identification System

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Why is Premises ID Important?

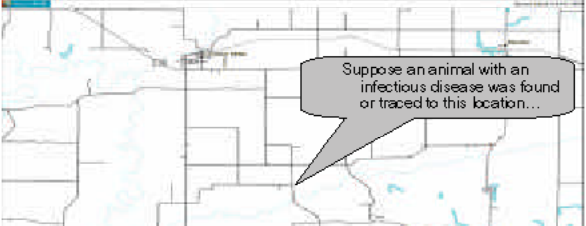
- ↑ Time = ↑ Exposure
- ↑ Exposure = ↑ Number of Herds / Animals
- ↑ Number of Herds / Animals =
 - ↑ Surveillance +
 - ↑ Testing +
 - ↑ Euthanasia +
 - ↑ Carcass disposal +
 - ↑ Cleaning and disinfection
- = ↑ Cost (Public, private, environmental, societal)





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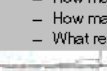

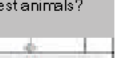
Why is Premises ID Important?



Suppose an animal with an infectious disease was found or traced to this location...

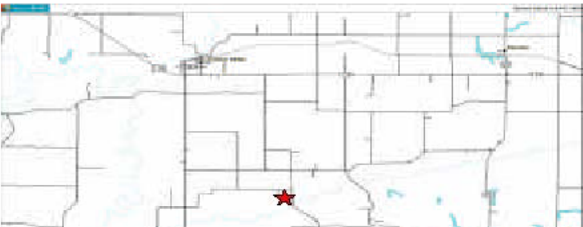
Day One: How big is the problem?

- How many herds are at risk in this area?
- How many people will it take to conduct investigations and test animals?
- What resources are needed?

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Why is Premises ID Important?

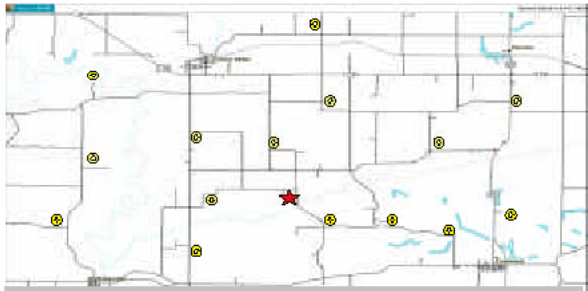


Day One: No Premises Identified

- Epidemiologists spend time interviewing herd owner, veterinarians, county agents, etc. to gather names and addresses of potential producers in area
- Investigators drive up and down roads to look for animals
- TIME = SEVERAL DAYS or WEEKS depending on resources

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Why is Premises ID Important?




Day One: Premises Identified by Location of Animals

- Epidemiologists generate map of area
- TIME = MINUTES

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National Premises System Components

- Premises Allocator
- Premises Registration System(s)
- National Premises Information Repository




Veterinary Services Safeguarding Animal Health NATIONAL ANIMAL IDENTIFICATION SYSTEM

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Premises Allocator

- Generates a nationally unique number
- Location (Address, GPS, Township/Range/Section)
- 7-character ID: Example: **A123R69**
- Developed and maintained at CEAH



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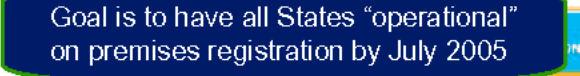
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Premises Registration Systems

State Options:

- Build State system that is compliant with NAIS data standards using local funds
- Contract third party system that is compliant with NAIS data standards using local funds
- Use federally funded Standardized Premises Registration System

Goal is to have all States "operational" on premises registration by July 2005



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Premises Registration Systems

- 47 States and 5 Tribes are currently operational
- The other states and territories will be operational in May and June



Veterinary Services Safeguarding Animal Health NATIONAL ANIMAL IDENTIFICATION SYSTEM

National Animal Identification and Tracking System

Safeguarding Animal Health

Why is Animal ID & Tracking Important?



Safeguarding Animal Health

Why is Animal ID & Tracking Important?





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Why is Animal ID & Tracking Important?

Bottom Line

- Lots of traces in and out
- Ongoing effort
- Not just an occasional event

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Why is Animal ID & Tracking Important?



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Why is Animal ID & Tracking Important?

Bottom Line

- Fewer animals die
- Less impact on producer
- Less cost to taxpayer




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National Animal Identification and Tracking System Components

- AIN Data Management System
 - AIN allocator
 - AIN Managers and Distributors
- Animal Identification & Tracking Systems
- National Animal Records Repository




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National Animal Identification and Tracking System

- AIN Data Management System
 - Due to start this summer on voluntary basis
- Animal Identification & Tracking Systems
 - Will take time to install data collection infrastructure
- National Animal Records Repository
 - Will be available to accept AIN allocation this summer



Safeguarding Animal Health



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Interim Rule - Code of Federal Regulations

- Additional official numbering systems
 - Animal Identification Number (AIN) system
 - Country Code (840) + 15 numeric characters
 - Group/Lot Identification Number system
 - Product Code + Date group assembled (6 characters)

In addition to the AIN "840" format, other "configurations" will be recognized:

- USA + 15 characters ("American ID" Number)
- Manufacturer code + 15 characters (ICAR assigned for ISO Compliant transponders)




Safeguarding Animal Health




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Confidentiality

- Greatest concern to agency
- Legislative action
 - USDA sent draft bill to House and Senate



Safeguarding Animal Health



Outreach

• Brochures:

- "The National Animal Identification System (NAIS)": Why Animal Identification? Why Now? What First?"
- "Premises Identification: The First Step toward a National Animal Identification System (NAIS)".

• Advertisements:

- "Get the Facts" ads in Dec -- Feb publications.

• Fact Sheets

- www.animalid.aphis.usda.gov/nais/



Safeguarding Animal Health



Safeguarding the Nation's Livestock



Safeguarding Animal Health

