USDA

United States Department of Agriculture

Update from the National Animal Health Monitoring System

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Outline

- *Salmonella* Heidelberg in Calves
- Tuberculosis in Dairy Cattle
- *Brucella abortus* RB51
- Calf Death Categories
- DHIA Pilot Study 2017
- Potential NAHMS/DHIA 2020/21 Study
- DHIA Herd Summary Record Monitoring

Outline

- *Salmonella* Heidelberg in Calves
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- Calf Death Categories
- **DHIA Pilot Study 2017**
- **Potential NAHMS/DHIA 2020 Study**
- DHIA Herd Summary Record Monitoring

DHIA Pilot Study

- Working group
  - Angie Coburn (AgSource)
  - Jere High (Lancaster DHIA)
  - George Cudoc, John Tauzel (Dairy One)
  - Bill Verboort (AgriTech Analytics)
  - John Clay (DRMS)
- Pilot conducted by 4 service providers/DRPCs in 2017
- Face-to-face interviews

DHIA Pilot Study

DHIA Source	Operations Surveyed	States
AgSource	7	2
AgriTech	6	2
Dairy One	12	3
Lancaster	5	2
Total	30	7

DHIA Pilot Focus Areas

- Dairy Herd Information
- Housing and Facility Information
- Reproduction Practices
- Milking Facilities and Udder Health
- Newborn Calf Survival and Management
- Priority Diseases

DHIA Pilot Study Outcomes

- Feasible
- Needed to be coordinated at the field level
- Summary of responses
  - 30 operations
  - Not randomly chosen
  - No inference population

Top Five Disease Rankings

	DHIA source				
Rank	AgSource	AgriTech	Dairy One	Lancaster	All
1	Calf diarrhea	Lameness	Lameness	Lameness	Lameness
2	Respiratory disease	Abortions	Respiratory disease	Calf diarrhea	Respiratory disease and Calf diarrhea (tied)
3	*Salmonella*	Respiratory disease	Calf diarrhea	Respiratory disease	
4	Lameness	*Cryptosporidium* and *Neospora* (tied)	Abortions	*Staph aureus*	Abortions
5	*E. coli* and abortions (tied)		*Staph aureus*	Johne's disease	*Staph aureus*

NAHMS / DHIA Survey

- Conducted in 2020/2021?
- Requires OMB approval
- Priority topics
- Sample testing (milk, filters, other)

- Meet Thursday