Special Thanks!

VMDL, University of Missouri
Veterinary Medical Diagnostic Laboratory
### Things to do today!

#### University of Missouri Workshops
**Preventing and Responding to Future Disease Outbreak**

**Five Locations:** Neosho-March 13, Buffalo-March 14, Jackson-March 17, Sedalia-March 20, and Kirksville-March 24, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Topics/Speakers</th>
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<tbody>
<tr>
<td>09:30</td>
<td>Sign in and materials</td>
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<tr>
<td>10:00</td>
<td>Introductions of Program, Logistics, and Complete Survey (30 Min, Dr. Lim/Zulovich, University of Missouri)</td>
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<tr>
<td>10:30</td>
<td>Review and History of Major Disease Outbreaks (30 Min, Dr. Corrine Bromfield, University of Missouri)</td>
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<td>11:00</td>
<td>Local Regulations and Options for Mortality Management (30 Min, MO DNR)</td>
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<td>11:30</td>
<td>Detection and Quarantine, Who to Call, Procedures, and Resource (30 Min, MDA Animal Health Division)</td>
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<tr>
<td>12:00</td>
<td>Lunch Break</td>
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<tr>
<td>12:45</td>
<td>Mortality Management Options during Disease Outbreak (45 Min, Dr. Josh Payne, OK)</td>
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<tr>
<td>13:30</td>
<td>Prevention – Biosecurity Training, Plans, and Execution (45 Min, Dr. Kevin Janni, MN)</td>
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<tr>
<td>14:15</td>
<td>Economic Reasons to Improve and Maintain Biosecurity (30 min, Dr. Ray Massey, University of Missouri)</td>
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<tr>
<td>14:45</td>
<td>Review and Conclusion, Resource Available, and Complete Survey (30 Min, Dr. Lim/Zulovich, University of Missouri)</td>
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<tr>
<td>15:15</td>
<td>Workshop complete, thank you!</td>
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</table>
10 AM
Introductions of Program, Logistics

10:30
Review and History of Major Disease Outbreaks
Corrine Bromfield

11:00
Local Regulations and Options for Mortality Management, DNR

11:30
Detection and Quarantine, Who to Call, Procedures, and Resource, MDA Animal Health Division

Lunch! 12-12:45

12:45
Mortality Management Options during Disease Outbreak
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Kevin Janni, MN

14:15
Economic Reasons to Improve and Maintain Biosecurity
Ray Massey

14:45
Review and Conclusion, Resource Available, and Complete Survey
What you will get today

Power-point slides book

USB jump drive – Biosecurity whiteboard video

Checklist, and contact list, laminated

Knowing who’s who, and great discussion!
Another resource to know!

Another resource to know!

Please use your checklist

**Checklist: Preventing Disease Outbreak**

Biosecurity protocols are very important to safeguard animal health, food safety, environment, and economy. Everyone needs to be reminded of the potential of disease outbreak. Every few months, you and/or your employee(s) can use this form to complete safety checks on your farm.

Insert additional biosecurity checks and information that may be important when re-inspecting your protocols. Keep completed forms for follow-up, future reference, and inspections. Additional copies or electronic version of this form can be obtained by contacting MU Agricultural Engineering Extension, 573-882-0085.

<table>
<thead>
<tr>
<th>Biosecurity items to check</th>
<th>Yes</th>
<th>Needs Corrections</th>
<th>Date corrected or notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Are traffic controls and inspection requirements in place, and are they being enforced?</td>
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<tr>
<td>Are signs restricting visitor entrance and instructions to report to designated point posted and maintained?</td>
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<tr>
<td>Are policies regarding requirements for employees, service personnel, and visitors followed?</td>
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<tr>
<td>Is equipment that is brought into the animal area cleaned and disinfected?</td>
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<tr>
<td>Is the line of separation clearly marked, maintained, and followed?</td>
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<tr>
<td>Clean, site-specific boots and clothes are available at site and being used and maintained.</td>
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<tr>
<td>Water and feed are from uncontaminated sources and protected from contamination.</td>
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<tr>
<td>Animals are housed/fed in ways that minimize stress, crowding, and fighting.</td>
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<td>Sick animals are immediately treated and removed from groups.</td>
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<td>Unusual illness is immediately brought to the attention of the veterinarian.</td>
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<tr>
<td>Are dead animals immediately removed from the group and properly disposed of?</td>
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<tr>
<td>Access to manure by animals is reduced by timely cleaning and removal.</td>
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<tr>
<td>Are employees trained to be vigilant and report suspicious visitors and unusual events?</td>
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<tr>
<td>Contacts with veterinarian, local agencies (MDA Vet and DNR) established and maintained.</td>
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<tr>
<td>Has this checklist been used frequently and records maintained?</td>
<td></td>
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</tr>
</tbody>
</table>

Name of person completing check: ___________________________ Date: __/__/____

Disclaimer: The facts/information listed are suggestions for biosecurity, but are in no way a comprehensive and exhaustive list of all actions needed to ensure disease prevention.
And the contact list!

Preventing Disease Outbreak - Contact List

Missouri Department of Agriculture, Animal Health Division
Phone: (573) 751-3377
Email: Animal.Health@mda.mo.gov

Missouri Department of Natural Resources
Environmental emergency, call (573) 634-2436
CAFO webpage: http://dar.mo.gov/env/wpp/cafo/
Regional Offices: Kansas City – (816) 251-0700
Macon (NE) – (660) 385-5000
Springfield (SW) – (417) 891-4300
St. Louis – (314) 416-2880
Poplar Bluff (SE) – (573) 840-9750

USDA Animal and Plant Health Inspection Service
District Office, Jefferson City, MO
(573) 683-9850

University of Missouri
Food Systems and Bioengineering Extension
(573) 882-9085

Disclaimer: The facts/information listed are suggestions for biosecurity, but are in no way a comprehensive and exhaustive list of all actions needed to ensure disease prevention.
What is the checklist about?

Also available on Youtube:
https://youtu.be/2Hu9bW67YrI
Interesting Youtube Clips

The Danish entry principle (3:40, Canadian Swine Health Board)
https://www.youtube.com/watch?v=N4NNkd_Kfqw

Biosecurity Video, Chapter 1A (7-min, Poultry Research Centre, University of Alberta)
https://www.youtube.com/watch?v=zMUf0y8MTPw

Can you do the boot dip dance? (3-min, Students from the University of Alberta)
https://www.youtube.com/watch?v=VjmUHDaTV1E
Thank you!

Teng Lim, limt@Missouri.edu