Biosecurity Toolkit for Equine Events

NIAA Equine Committee Meeting
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Equine Medication Monitoring Program
History

• May 2011 EHV-1 Outbreak Associated with the Ogden UT Western National Cutting Horse Event

• Event Managers looking for guidance and advise related to hosting events
  – Equine Medication Monitoring Program (EMMP) documented 92 registered events cancelling between May 13 and June 30.

• EMMP Advisory Committee voiced an industry need for education on biosecurity and disease control at equine events

Protecting Equine Health
Review of Available Materials

- Australia and New Zealand – event manager biosecurity measures focus on Hendra and Influenza outbreaks

- UCDavis Biosecurity at Racetracks Document

- NAHMS 2005 study
California Event Assessment

- Visited 10 event facilities across the state
- Evaluated
  - Stabling
  - Animal Movement
  - Current Biosecurity Practices

Protecting Equine Health
Stabling
Monitoring Movement and Isolation Areas
Commingling of Horses
Communal Water
Feed Storage and Security
Feed Storage
Shared Equipment
Water Hoses
Dogs at Equine Events
Biosecurity Toolkit

• Part 1: Basic Biosecurity for Equine Events

• Part 2: Enhanced Biosecurity and Infectious Disease Control for Equine Events

• Part 3: Appendix

Protecting Equine Health
Part 1: Basic Biosecurity

- Potential for “Perfect Storm” at Equine Events

- Biosecurity Challenges at Equine Events
Basic Biosecurity Assessment

• Facility Layout
• Animal Entry Requirements
• Horse Stabling
• Stall Sanitation
• Manure, Soiled Bedding and Hay Disposal
• Water Source and Disposal
• Feed and Hay Storage
• Horse-to-Horse Contact
• Horse to Other Species Contact
• Traffic Control
• Record Keeping

Protecting Equine Health
Recommendations for Basic Biosecurity Plan

- Health Entry Requirements
  - Only healthy horses, no fever policy, health certificate requirement, horse health declaration policy
- Report Suspicion of Sick Horses
- Isolation of Sick Horses
- Temperature Monitoring of Horses
- Monitoring of Horse Health
- Equipment Handling
- Limit Horse-to-Horse Contact
- Limit Indirect Horse Contact
- Restrict Dog Movement
- Limit Human-to-Horse Contact
- Visitor Access Policy
- Vector Control Program
- Wildlife Control Program
- Control and Track Horse Movement
- Post Adequate Signage
- Medical Devise Use and Disposal
- Cleaning and Disinfection Protocols
- Communicate Biosecurity Plan
Part 2: Enhanced Biosecurity and Infectious Disease Control

- Infectious Diseases
- Enhanced Biosecurity in the Face of an Outbreak
- Infectious Disease Control Plan Recommendations.
Recommended Enhanced Biosecurity Measures in the Face of the Outbreak

• Stop Movement Orders
• Control and Track Movement
• Monitoring of Horse Health
• Temperature Monitoring of Horses
• Equipment Handling
• Restrict Direct and Indirect Horse Contact
• Control Dog Entry to Premises
• Restrict Human-to-Horse Contact
• Restrict Visitor Access
• Post Adequate Biosecurity Signage
• Strict Cleaning and Disinfection Protocols

Protecting Equine Health
Recommendations for Infectious Disease Control Plan

- Sick Horse Trigger Points
- Potential Isolation Area
- Inventory of Protective Clothing
- Sick Horse Reporting
- Immediate Identification and Isolation of Sick Horses
- Monitoring the Sick Horse
- Entry and Exit Protocols for Isolation Area
- Notification of Animal Health Officials
- Handling Rabies Suspect
- Euthanasia of a Horse
- Exposure Assessment of All Event Horses
- Release of Horses from Event
- Advice to People Leaving the Venue
- Monitoring Exposed Horses Onsite
- Feed and Bedding Delivery
- Cleaning and Disinfection
- Delegation of Responsibility
- Disciplinary Policies
- Communication Plan
Part 3: Appendix

- Equine Facility Biosecurity Risk Assessment - Text Version
- Equine Event Biosecurity Risk Assessment - Pictorial Version
- Equine Event Biosecurity Policy Risk Assessment
- Cleaning and Disinfection of a Vacated Stall
- Record of Attendance at Equine Event
- Equine Event Participation Declaration
- Stall Temperature Monitoring Log
- Stop Don’t Share Equipment Sign
- Top Tips to Keeping Your Horse Healthy at Shows Poster and Biosecurity at Equine Events Handout
- CDC Wash Hands When Leaving Animal Exhibit Poster
- CDC Be Safe Around Animals Poster
- Routes of Disease Transmission and Control Measures for Equine Events
- Wildlife, Bird, Rodent Control Measures
- Equine Event Cleaning and Disinfection Recommendations
- Characteristics of Selected Disinfectants
Part 3: Appendix Cont.

- Sample Letter Mailed to Anticipated Exhibitor
- Stop Movement Sign
- Exhibitor Handout- Biosecurity Measures for Exposed Horse
- UCDavis Center for Equine Health- “How to Set Up a Disease Isolation Unit at a Farm or Show”
- Equine Event Isolation Protocol Guidance
- California Reportable Disease List
- State Animal Health Official Contact List
- Contact List of Local County Public Health Officer
- Exposed Horse Release Assessment
- Cleaning and Disinfecting a Horse Trailer
- Checklist of Responsibilities for Infectious Disease Control Plan
- Communications Contact List Template
- References

Protecting Equine Health
Acknowledgements

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- EMMP Advisory Committee Members
Questions?

Biosecurity Toolkit Webpage:
http://www.cdfa.ca.gov/AHFSS/Animal_Health/Equine_Biosecurity.html

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