Planning for an FMD Outbreak Response in CA:
Vaccination and Beyond......

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Presentation Overview

- FMD Vaccination Strategy Development
  - Pre-event planning
  - Increased awareness
  - Forward momentum
FMD Vaccination Strategy Development

- Pre-event Planning
- Increased Awareness
- Forward Momentum
Much has changed since 1929

“We must be prepared to respond in new ways”
Big Job – Small Steps

- Awareness grew (2003)
- Outreach to USDA/other states (2004)
- Inclusive exploration of options
- USDA collaboration and coordination with complimentary projects
Planning Focus: Needles in Cows
The incident must be prepared to receive, re-package, distribute and deliver the vaccination (ID and data capture required) while maintaining cold chain and chain-of-custody.
Proposed vaccination distribution workflow
Standard Operating Procedures

- Requesting and Handling Vaccine
- Maintaining Cold Chain
- Validation
CAHEMS Operations Section

FMD Vaccination Branch

Draft 8/29/2011

Operations/Deputy Section Chief
- Disease Surveillance Branch Director
- Deputy Branch Director Vaccination

Gov't Vaccination Teams Group Supervisor
- Vaccination Strike Team Leader
  - Vaccination Technician
  - Vaccination Technician
  - Vaccination Technician
  - Vaccination Technician

Vaccination Task Force Leader
- Vaccination Technician

Vaccine Distribution Group Supervisor (Mixed Resources Gov't and Private Vet. Teams)
- Vaccine Distribution Technician Logistic Ordering Liaison

Validation Strike Team Leader CDFA/USDA
- Premises Manager/Validator
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Private/CAHEMS Vet Vaccine Distribution Taskforce Leader
- Dairy Owner/Designee
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Validators will stay on the premises until the vaccination is completed, ensuring required documentation is completed.
FMD Vaccination Exercise

- Tulare, California
- Sept. 6-8, 2011
Vaccine receipt, handling and repackaging

Simulated vaccine
Maintain and verify cold chain
Practice biosecurity and C & D protocols
Practice biosecurity and C&D protocols – NVS Contractors
Portable corrals
Work with NVS 3D Contractors to receive, set up and utilize animal handling equipment.
Collect diagnostic samples
Administer vaccine
Post Exercise Considerations

- SOPs worked - need minor improvements
- Consider contracting warehouse management – let the professionals do it
- Ideal delivery team – gov. vet or owner’s vet?
- Owner’s vet MUCH faster delivery
- Goal is to be 90% operationally ready to vaccinate millions of dairy cattle in 48 hours
- Operational bottle neck is documenting animal ID
Pressure to resolve vaccine use decision making, strategic planning and request expectation

Major planning gap: proving vaccinated animals are truly uninfected, testing and data collection/management

- What do we do with positive cattle versus the herd?
- Laboratory capacity - rapid through put for needed testing
- Data management – forms, ID, handheld, lab integration, compiling, analysis ...
Success

what people think it looks like

Success

what it really looks like
What are we doing now?

- Animal Health Branch Emergency Program Re-Established
- Monthly Emergency Program Meetings
- Functional Emergency Planning Teams
  - Review USDA FAD Prep documents and develop new procedures, as necessary
  - Training on and testing procedures through mini-drills
- Special Projects
AHFSS Emergency Planning Review and Approval Process

**Emergency Project Team**
- Team Meetings (at least one per month) → Develop Emergency Planning Deliverables → Incorporate Comments; Obtain Team Approval
  - Send Documents for Peer Review

**Emergency Project Team Leads**
- Send Documents to Emergency Programs Lead for Review/Edits/Approval
  - Major Edits
  - Required Revisions

**Emergency Programs Lead**
- Send Documents to Management for Review/Edits/Approval
  - Approved Documents
CAHEMS
California Animal Health Emergency Management System

Incident Commander

Deputy Incident Commander

Public Information Officer

Liaison Officer

Regulatory & Law Enforcement

Administrative Assistant

Legal Officer

Safety Officer

Operations Section

Planning/Intelligence Section

Logistics Section

Finance/Administration Section
# Addressing After Action Items

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<tr>
<th>After Action Issue</th>
<th>Current Project</th>
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<tr>
<td>Consider contracting warehouse management professionals</td>
<td>Grassroots Project: Private 3\textsuperscript{rd} Party Logistics Cold Chain Vendors</td>
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<tr>
<td>Document Standard Operating Procedures</td>
<td>Emergency planning teams</td>
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<tr>
<td>Pressure to resolve vaccine use decision making, strategic planning and request expectation</td>
<td>Vaccine Decision Matrix And Vaccinate Prioritization Considerations Project</td>
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<td>Data management gap</td>
<td>Initial Step: Data Validation Project,</td>
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<td>Lab integration</td>
<td>Bulk Milk Sampling Diagnostics Project (labeling samples with a unique premises ID and electronic results reporting)</td>
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Increased Awareness

- Train and test field response staff
- Engage industry
- Engage other states
- Engage private practitioners
Forward Momentum

Planning and Preparedness + Partners

CAHEMS - California Animal Health Emergency Management System
Conclusion

• Pre-event planning – Progressing
• Awareness - Continues
• Forward momentum - Essential
Every year, sharks kill 10 people. Every year, 100 people die from being stepped on by cows.

FEAR THE REAL KILLER

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