Movement Criteria on Public Lands During an FAD Outbreak

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Resource Management Council and Policy Forum

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USDA NADPRP Grant

- "Developing movement decision criteria and exercising movement plans for livestock grazing public land allotments in and around FAD control areas through collaboration with industry, state, and federal partners"
  - Feb 2022-Feb 2024
  - American Sheep Industry Association
  - National Cattlemen's Beef Association
    - Consultant: Danelle Bickett-Weddle, Preventalytics

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Why?

- Foot and mouth disease (FMD)
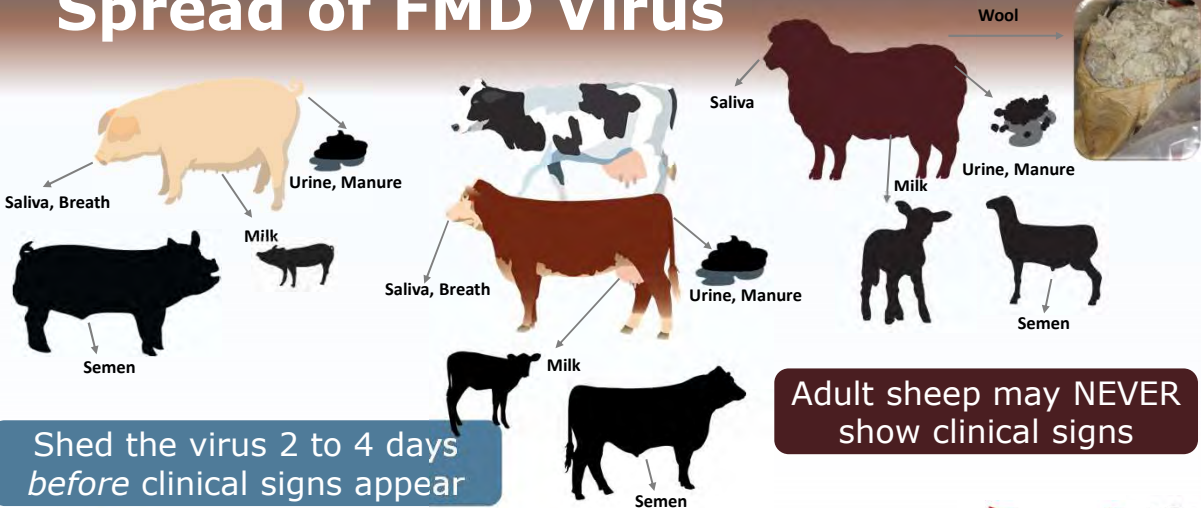- Affects cloven-hooved animals
- Most contagious livestock disease
- No treatment

NOT a public health or food safety concern

Sheep　　Cattle　　Pigs　　Goats

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Spread of FMD Virus

Wool

Saliva

Urine, Manure

Milk

Saliva, Breath

Urine, Manure

Milk

Semen

Saliva, Breath
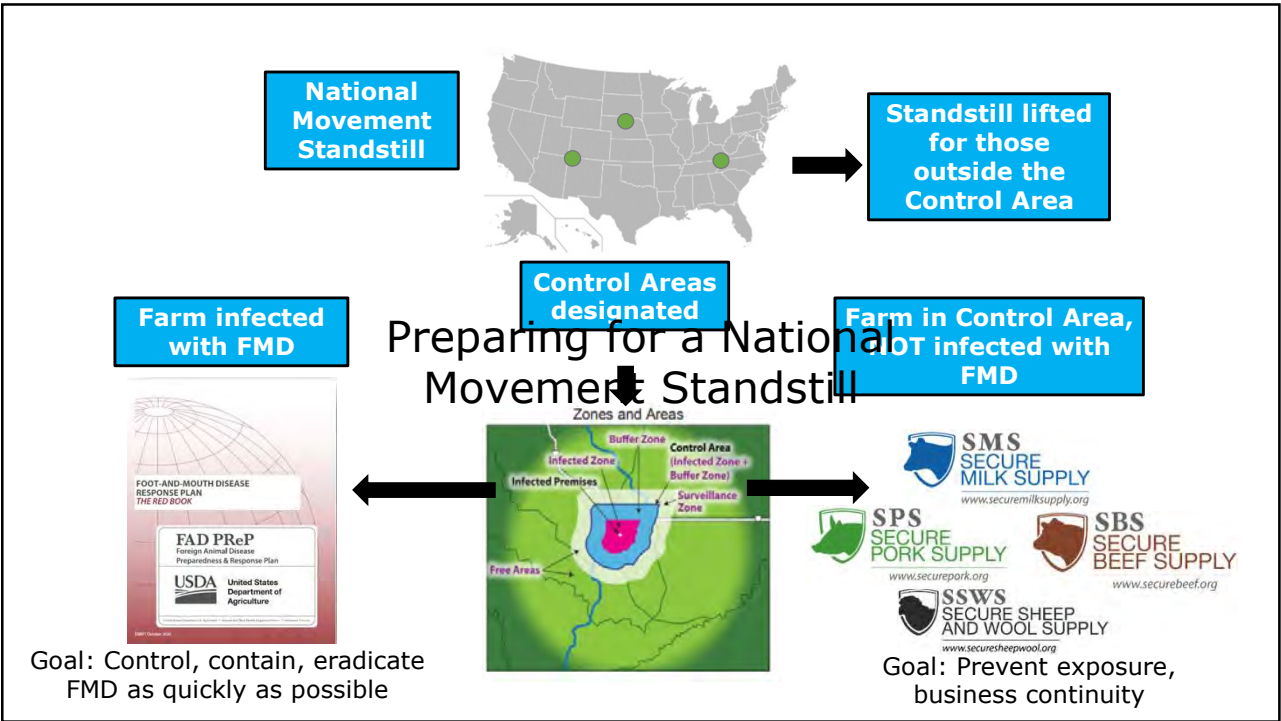
Urine, Manure

Semen

Milk

Semen

Adult sheep may NEVER show clinical signs

Shed the virus 2 to 4 days *before* clinical signs appear

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Controlling FMD Spread

State/Federal Steps

- Stop Movement
- Stamping Out
- Diagnostic Testing (clinical)
- Emergency Vaccination

Producer Steps

- Biosecurity
- Contact Tracing (records)
- Disease Monitoring

Nuances for Ranchers with livestock grazing federal public lands

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Preparing for a National Movement Standstill

National Movement Standstill

Standstill lifted for those outside the Control Area

Control Areas designated

Farm infected with FMD

Farm in Control Area, NOT infected with FMD

FOOT-AND-MOUTH DISEASE RESPONSE PLAN
THE RED BOOK

FAD PReP
Foreign Animal Disease Preparedness & Response Plan

USDA United States Department of Agriculture

Zones and Areas

Buffer Zone
Infected Zone
Control Area (Infected Zone + Buffer Zone)
Infected Premises
Surveillance Zone
Free Areas

SMS SECURE MILK SUPPLY
www.securemilksupply.org

SPS SECURE PORK SUPPLY
www.securepork.org

SBS SECURE BEEF SUPPLY
www.securebeef.org

SSWS SECURE SHEEP AND WOOL SUPPLY
www.securesheepwool.org

Goal: Control, contain, eradicate FMD as quickly as possible

Goal: Prevent exposure, business continuity

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FMD Diagnosed

- Establish Control Area
  - Infected and Buffer Zone
  - Quarantine
  - **Movement by permit only, based on risk**
  - Movement controls in place until Control Area released
- Secure Food Supply Plans are business continuity options for <u>affected</u>, not *infected* premises

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Agencies Involved in Permitting

Grazing (Peacetime)

- U.S. Dept. of the Interior Bureau of Land Management (BLM)
  - 2022: 18,000 permits and leases on 21,000 allotments
- USDA U.S. Forest Service
  - FY2020: 5,500 permits

Movement Permits (Outbreak)

- USDA Animal and Plant Health Inspection Service (APHIS)
  - Lead federal agency
- State Animal Health Officials
  - Unified command with USDA
  - Quarantine authority
  - Set permit movement criteria

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Outbreak Movement Permits

Why are they needed?
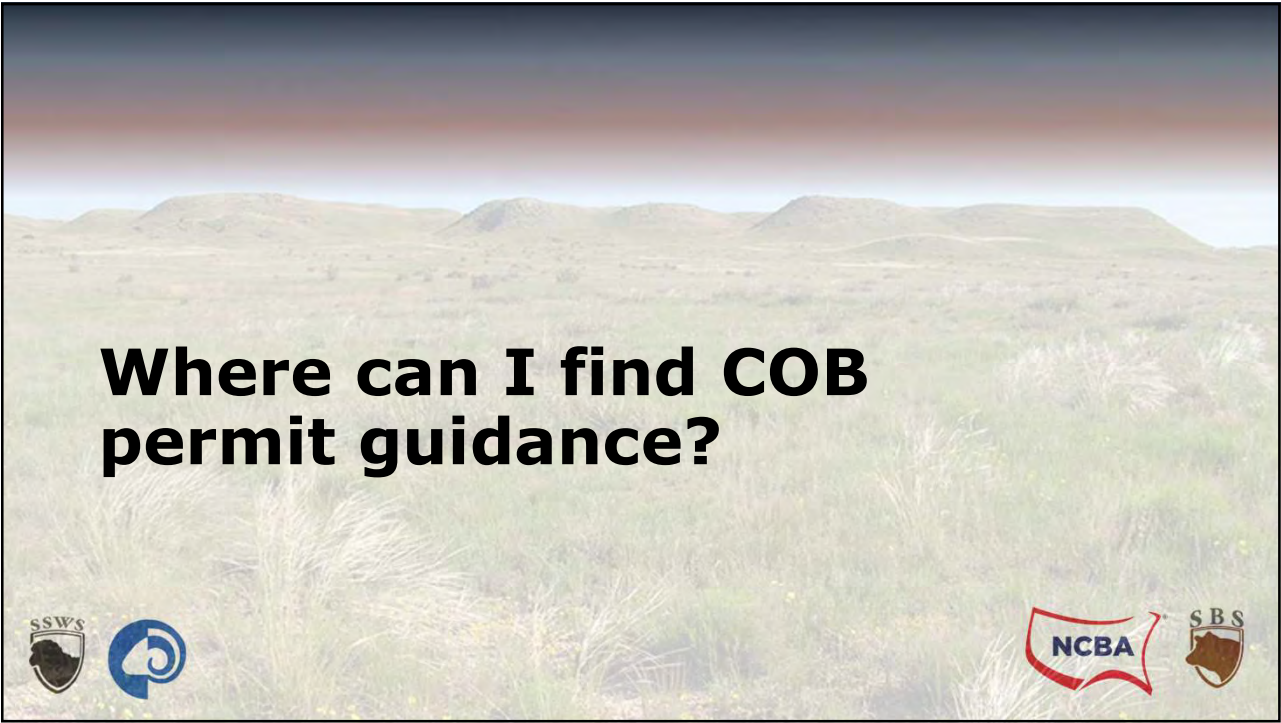*Where can I find guidance?*

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Permits: Why?

- Issued based on risk of movement
- Prevent disease spread
  - Meet criteria to demonstrate safe movement
- Traceability
  - Transparency to industry, States, public
  - Reporting to trade partners
  - Demonstrate outbreak control

- Types of permits
  - Operational
  - Continuity of business (COB)

Source: USDA Ready Reference Guide: Defining Permitted Movement, Feb 2017

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Permit Guidance: SSWS & SBS

Permitting Guidance* for Movement of Sheep/Cattle/Semen/Embryos	Condition Met?
1. Traceability information is available (PIN, GPS Coordinates, and information on type and number of animals/quantity of semen/embryos to be moved)	Yes
2. Biosecurity measures list[ed in the Biosecurity Checklist are in place and] acceptable to Responsib[le...]	Yes
3. Trace-back/forward infor[mation...] Infected, Contact, Suspe[ct...]	Yes
4. Destination premises an[d...] sheep/cattle/semen/embryos	Yes
5. No evidence of infection based on surveillance	Yes
Permit guidance to move sheep/cattle/semen/embryos if all above responses are "Yes"	Consider Issuing MOVEMENT PERMIT

Nuances for Ranchers with livestock grazing federal public lands

*For information on issuing permits for wool movement out of a Control Area, as well as FMD virus survivability in wool, inactivation recommendations, and traceability refer to the *SSWS Wool Handling during an FMD Outbreak* document available at: www.securesheepwool.org

SSWS   NCBA   S B S

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Movement Decision Criteria on Public Lands During an FMD Outbreak

Project Goals, Activities, Outcomes

SSWS   NCBA   S B S

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Project Scope

- Control Area and need to move on a permit to:
  - An allotment (turn out)
  - Another pasture or allotment (grazing season)
  - Private lands
  - Back to ranch
  - Same state or different state

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Created an Advisory Group

- Public land ranchers (CO, MT, ND, NM, NV, OR, UT)
  - Represent 22,000 grazing permittees
- Federal land management agencies (BLM, USFS)
- Wildlife agencies (USDA Wildlife Services, US Fish & Wildlife Service)
- SAHOs (CO, CA, NV)
- USDA APHIS VS
- Associations (ASI, NCBA, Public Lands Council)

Assembled and began meeting in May 2022

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Develop Guidance Documents

- Management Practices, FMD Exposure Risks
- Roles of Agencies in Permitting

- GOAL: Actionable details to guide industry, decision makers

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Project Goals (cont'd)

- **Conduct a seminar and workshop (exercises)**
  - Create inter-jurisdictional guidance
  - Obtain consensus on effective movement plan
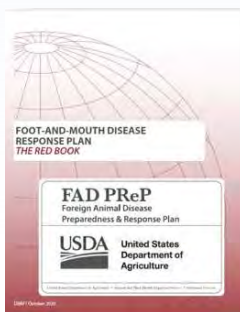
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Seminar: Nov 2022

- Met at NCBA, Denver, CO
- Presented with various movements
- Discussed options, challenges, identified gaps

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Workshop: Aug 2023

- Met at NCBA, Denver, CO
- Movement Decision Criteria Guidance document
- Gaps, additional resources, consensus on effective movement plan
- Finalize, release guidance

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Just-in-Time Biosecurity

- Enhanced biosecurity for base property
  - Year round
  - More "control" of in/out
- Just-in-Time if notified in a Control Area
  - Manage in current location
  - FMD Exposure Risks
  - Rancher tested

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Movement Decision Criteria Guidance Document

- Managing cattle and sheep grazing federal public lands
- Movement options and decision criteria
  - Interjurisdictional
  - USDA, States, BLM, USFS

- GUIDANCE only

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Movement Plan

Options for Livestock Grazing Public Lands in a Control Area, Not Infected, Suspect, Contact

1. Staying in place until the Control Area movement restrictions are lifted.
2. Moving within the Control Area.
3. Moving outside of the Control Area to a biosecure location that can quarantine livestock away from susceptible species.

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Movement Plan (cont'd)

Decision Criteria

1. Assessing availability, suitability of adequate feed/water
2. Monitoring for disease (surveillance)
3. Mitigating interactions with wildlife
4. Controlling public access
5. Implementing just-in-time biosecurity

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Ultimate Goals

Better prepare sheep and cattle ranchers

Better prepare decision makers

- Creating a "Public Lands" page on SSWS/SBS

- Resources posted in February 2024

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SSWS Implementation

- "Build capacity for broad outreach and education about FMD preparedness and the SSWS Plan to sheep industry stakeholders"
  - USDA NADPRP May 2023–May 2025
- Training sessions
  - Funding for demos
- Tours, videos
  - Implementing enhanced biosecurity

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Questions?

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SCAN ME

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