

RESOURCES FOR ESTABLISHING CLEANING AND DISINFECTION (C&D) STATIONS

BEST PRACTICES

The following are publicly available resources describing best practices for cleaning and disinfecting vehicles and equipment used on **infected premises** during an FAD outbreak.

USDA

- FAD PReP/NAHEMS: Cleaning and Disinfection
 - Guidelines
https://www.aphis.usda.gov/animal_health/emergency_management/downloads/nahems_guidelines/cleaning_disfection.pdf
 - Standard Operating Procedures
https://www.aphis.usda.gov/sites/default/files/sop_cd.pdf
 - Tactical Topics
https://www.aphis.usda.gov/animal_health/emergency_management/downloads/nahems_guidelines/tactical_topics_c_and_d.pdf
 - Presentations
https://www.aphis.usda.gov/animal_health/emergency_management/downloads/ed_materials/cd_rr_presentation.pptx
- Disinfectants for Foreign Animal Diseases (FADs)
<https://www.aphis.usda.gov/animal-emergencies/disinfectants>
- Potential Disinfectants to Use Against the Causative Agents of Selected Foreign Animal Diseases in Farm Settings (includes EPA-registered products)
https://www.aphis.usda.gov/animal_health/emergency_management/downloads/potential-disinfect-against-fad.pdf
 - Disinfectants Approved for Use Against African Swine Fever in Farm Settings
https://www.aphis.usda.gov/animal_health/emergency_management/downloads/asf-virus-disinfectants.pdf
 - Disinfectants Approved for Use Against Avian Influenza Virus in Farm Settings
<https://www.epa.gov/pesticide-registration/epas-registered-antimicrobial-products-effective-against-avian-influenza>
 - Disinfectants Approved for Use Against Foot and Mouth Disease in Farm Settings
https://www.aphis.usda.gov/animal_health/emergency_management/downloads/fmd-virus-disinfectants.pdf
 - Disinfectants Approved for Use Against Newcastle Disease Virus in Farm Settings
https://www.aphis.usda.gov/animal_health/emergency_management/downloads/potential-disinfectants-to-use-against-vnd.pdf



IOWA DEPARTMENT OF
**AGRICULTURE &
LAND STEWARDSHIP**



The Center for
Food Security
& Public Health
IOWA STATE UNIVERSITY®
College of Veterinary Medicine

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IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP (IDALS)

IDALS oversees pesticide application. Since disinfectants are considered a pesticide, consult IDALS for more information on certification or licensing needed during an animal disease outbreak

- Applicator Licensing & Certification
<https://iowaagriculture.gov/pesticide-bureau/applicator-licensing-certification>
- Iowa Administrative Rules
<https://www.legis.iowa.gov/law/administrativeRules/rules?agency=21&chapter=45&pubDate=05-08-2019>
- License and Certification Standards for Pesticides
<https://www.legis.iowa.gov/docs/iac/rule/10-17-2012.21.45.22.pdf>

IDALS, IOWA STATE UNIVERSITY'S CENTER FOR FOOD SECURITY AND PUBLIC HEALTH, AND ISU EXTENSION AND OUTREACH

- Setting Up and Operating a Temporary Cleaning and Disinfection Station on a Livestock Premises to Achieve Biocontainment video (16 minutes)
<https://www.youtube.com/watch?v=8zS3-1MtPpY&feature=youtu.be>
- Temporary Cleaning and Disinfection Station Supply List
<https://iowaagriculture.gov/sites/default/files/animal-industry/pdf/2020/Clean-disinfect-station-supply-list.pdf>

RUTGERS UNIVERSITY, NEW JERSEY DEPARTMENT OF AGRICULTURE

- Milk Tanker Exterior Cleaning and Disinfection video (5:48 minutes)
<http://apps.cfsph.iastate.edu/sfsMedia/Secure-Milk-Supply-Video-NJ.mp4>

UNIVERSITY OF CALIFORNIA DAVIS, WESTERN INSTITUTE FOR FOOD SAFETY AND SECURITY

- Emergency On-Farm Cleaning and Disinfection of Milk Tankers (exterior) video (9:32 minutes)
<https://www.wifss.ucdavis.edu/materials/#1486076815663-9ac8b2e9-f88cf117-335c>

CENTER FOR FOOD SECURITY AND PUBLIC HEALTH, IOWA STATE UNIVERSITY

- Cleaning and Disinfection: Vehicles, Just-in-Time Training
 - Video (10 minutes)
<http://www.cfsph.iastate.edu/Emergency-Response/Just-in-Time/05-Cleaning-and-Disinfection-Vehicles-JIT-PPT-Vodcast.mp4>
 - Key Points handout (2 pages)
<http://www.cfsph.iastate.edu/Emergency-Response/Just-in-Time/05-Cleaning-and-Disinfection-Vehicles-JIT-HANDOUT.pdf>

GENERAL RESOURCES FOR CLEANING AND DISINFECTION, NOT SPECIFIC TO FADS

The following are publicly available resources describing basic cleaning and disinfectant principles. The info below is not as detailed nor specific to FAD agents and should be used as basic education, not the level of detail necessary for infected premises C&D practices.

CANADIAN SWINE HEALTH BOARD

- Live Hog Transport Vehicle Wash/Disinfect/Dry Protocols
<https://www.albertapork.com/wp-content/uploads/2017/06/1.-Live-Hog-Transport-Vehicle-WashDisinfectDry-Protocols.pdf>

CENTER FOR FOOD SECURITY AND PUBLIC HEALTH, IOWA STATE UNIVERSITY

- Disinfection resources
<http://www.cfsph.iastate.edu/Disinfection/index.php>

MANITOBA PORK COUNCIL

- Biosecure Trailer Entry video (6:01 minutes)
<https://www.healthyagriculture.org/prevent/sanitation/sanitation-stations/>

NEOGENCORP

- How to Create a Biosecure Livestock Transportation Trailer video (6:56 minutes)
<https://www.youtube.com/watch?v=uLtD4ihY3yQ> (includes cab disinfection steps)

U.S. FOREST SERVICE

- Vehicle (interior) Cleaning and Disinfecting video (5:48 minutes)
<https://youtu.be/-HevZmsozow>

USDA NATIONAL VETERINARY ACCREDITATION PROGRAM (NVAP)

- <https://www.aphis.usda.gov/nvap/reference-guide/cleaning-disinfection>
 - Importance of Cleaning and Disinfection
 - Cleaning
 - Disinfection
 - Regulation of Disinfectants
 - Safety
- Module 4: Preventing Disease Introduction and Spread
https://nvap.aphis.usda.gov/BCD/story_html5.html

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The inclusion of any products in these resources does not imply endorsement by Iowa Department of Agriculture and Land Stewardship or Iowa State University.

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