

National Animal Disease Preparedness and Response Program (NADPRP) 2019 Projects

Title	Recipient	Award Amount	Summary
Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Alabama Department of Agriculture	\$9,531	The Alabama Department of Agriculture and Industries will prepare the State of Alabama for the VS NTEP Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE) scheduled in 2020. Objectives include: 1) develop uniform public messaging between all stakeholders for a foot and mouth disease (FMD) response (activate a Joint Information Center during FAD SAFE), 2) implement FAD and/or FMD plans, policies and procedures (focus on issues related to communication, public messaging, biosecurity, carcass management, and quarantine/movement control; develop and train an Incident Management Team to support the plan), 3) identify and allocate resources for FMD response at the federal, state, and local levels, 4) coordinate communications and information sharing between all stakeholders in an FMD response, and 5) effectively coordinate the response to a regional-level FMD outbreak (establish a functional Incident Command System (ICS) and unified command).
Avian Influenza Preparedness	Alabama Department of Agriculture	\$55,691	The Alabama Department of Agriculture and Industries will host multiple exercises throughout 2020 and 2021 that will enhance its avian influenza preparedness. There will be two biosecurity exercises for relevant Alabama Department of Agriculture and Industries staff and stakeholders that will focus on the proper use of PPE and biosecurity procedures. There will be two depopulation exercises for relevant Alabama Department of Agriculture and Industries staff and stakeholders that will focus on the proper use of the Department's CO2 depopulation equipment, how to properly seal a poultry house for CO2 use, how to properly dispose of infected birds, and to refresh emergency responders on proper safety protocols. A Secure Food Supply Workshop will educate the relevant federal/state/local/tribal/industry partners on the USDA Secure Food Supply Plans and then apply the plans to Alabama. A Carcass Management Workshop and a Quarantine Protocol Workshop will train the necessary agricultural stakeholders and state partners on proper carcass management and quarantine protocols. Basic, advanced, and position-specific Incident Command System (ICS) training will increase the ability of staff and stakeholders to properly work within the Incident Command System. As a result of this project, Alabama will be better prepared to protect against and respond to an outbreak of avian influenza.
Notification of Demobilization: Lifecycle of diseases Response, Recovery, and Mitigation	California Department of Food and Agriculture	\$255,718	The California Department of Food & Agriculture will develop training modules for 16 critical response activities that align with FAD PReP, delivering the training in classroom style courses, and conducting a tabletop exercise to test responder capabilities to execute concepts learned in the training. California will pilot the training and exercise materials and make them available to the VS NTEP.

Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Clemson University	\$34,630	Clemson University will prepare the State of South Carolina for the VS NTEP FAD SAFE exercise with a focus on issues related to permitting, communication, continuity of business, and laboratory diagnostics. South Carolina will conduct a tabletop exercises for the Secure Food Supply plans in preparation for FAD SAFE. An additional element is field training for South Carolina Foreign Animal Disease Diagnosticians (FADDs) on sample collection and submission. The objectives include 1) develop uniform public messaging between all stakeholders for an FMD response in accordance with USDA (activate the South Carolina Joint Information Center during FAD SAFE), 2) implement FAD and/or FMD plans, policies, and procedures (validate FMD plans, Secure Food Supply tabletop exercise, test the National Animal Health Laboratory Network messaging, conduct FADD field training for sample collection and submission), 3) Identify resources for an FMD response at the federal, state, and local levels, and 4) coordinate communications and information sharing between all stakeholders in an FMD response (improve EMRS coordination, establish a functional ICS structure during FAD SAFE).
Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Florida Department of Agriculture and Consumer Services	\$22,525	The Florida Department of Agriculture and Consumer Services will prepare the State of Florida for the VS NTEP VS FAD SAFE exercise and invite other States to participate in APHIS VS Emergency Management Response System (EMRS) training and a stop movement workshop. The proposal includes the following objectives: 1) train state responders in critical activities in the APHIS Foreign Animal Disease (FAD) Framework, Response Strategies applicable to the NADPRP, and 2) exercise the Florida FAD Emergency Operations Plan. The following four trainings and exercises are scheduled, with two multi-state events for participation by other Southern Agriculture and Animal Disaster Response Alliance (SAADRA) states: 1) Florida animal carcass disposal workshop, 2) Florida FAD plan tabletop exercise, 3) multistate Emergency Management Response System (EMRS) training for Incident Management Team, and 4) multistate stop movement workshop.
Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Georgia Department of Agriculture	\$83,868	The Georgia Department of Agriculture will prepare the State of Georgia for the VS NTEP FAD SAFE exercise. Georgia will focus on issues related to operationalizing the State's FMD plan, permitting, communication, epidemiology, identifying resources, and harmonizing a regional response effort. The objectives include: 1) develop uniform public messaging between all stakeholders for an FMD response (activate the State's Joint Information Center during FAD SAFE), 2) implement FAD and/or FMD plan, policies and procedures, 3) identify resources for FMD response at the federal, state, and local levels (use the GA SART), 4) coordinate communications and information sharing between all stakeholders in an FMD response (use EMRS), and 5) effectively coordinate the response to a regional-level FMD outbreak (establish a Unified Command and a functional Incident Management Team).
Enhancing Georgia's FAD Response Capabilities Training and Exercise Program	Georgia Department of Agriculture	\$123,262	The Georgia Department of Agriculture will deliver an IMT Training and Refresher Course, perform Georgia State Agriculture Response Team (GA SART) operational field assessment exercise, and conduct EMRS operational training within the state

of Georgia. Included in their proposal are depopulation, disposal, and animal handling workshops. The audience includes state, county, and academic animal health emergency responders.

Developing, Training, and Exercising a Workable Foot-and-Mouth Disease Vaccination Plan for Iowa Livestock Stakeholders	Iowa State University of Science and Technology	\$73,785	The Iowa State University Center for Food Security and Public Health will collaborate with the Iowa Department of Agriculture and Land Stewardship to develop an Iowa FMD Emergency Vaccination Plan, conduct a series of FMD vaccination-based information training sessions and workshops, and perform a tabletop exercise on the plan. In addition to developing a Vaccination Plan, ISU will update the entire FMD response plan.
Improving Foreign Animal Disease Readiness in Iowa through a Biosecurity Train-the-Trainer Program for Large and Small-Scale Production Sites	Iowa State University of Science and Technology	\$79,966	Iowa State University of Science and Technology will encourage all food animal producers in Iowa to implement strong biosecurity practices daily to protect animals from both endemic and foreign animal diseases. A Train-the-Trainer program will be developed and delivered to agriculture Extension and industry experts. Youth leaders in Iowa will notably receive training to deliver online biosecurity courses for youth audiences. The courses will be carefully evaluated and measured for continual improvement.
Develop, Pilot, and Implement Two National Training Programs to Help Build Personnel Capacity and Increase Efficiency during a FAD Outbreak	Iowa State University of Science and Technology	\$309,361	Iowa State University of Science and Technology will target two gaps identified in the recent APHIS VS Swine Fever Exercise for Agriculture Response (SFEAR): 1) limited proficiency of FADDs when performing on-farm investigations due to a lack of hands-on experience with current swine medicine practices or modern pig production facilities, and 2) the number of diagnostic samples required to confirm the health status of premises within a given zone becoming a significant bottleneck in an FAD response process due to the limited number of people currently authorized and trained to collect and submit these samples. Iowa State University, the National Pork Board, and the American Association of Swine Veterinarians will work together to develop two national training programs that address these concerns. The first training program will be an on-farm immersion course (PIGPros) that provides hands-on training about the pig agriculture sector for FADDs and other animal agriculture sector responders. The second training program will be a national diagnostic sample collection training program designed to assure state and federal animal health officials that producers, caretakers, and other pig industry personnel have been trained through a standardized process to correctly collect, handle, and submit samples.
Kansas Animal Disease Preparedness	Kansas Department of Agriculture	\$140,000	The Kansas Department of Agriculture will continue the annual Kansas functional exercises in 2020 and 2021 that target large-scale livestock production facilities. Two major outcomes of the proposal are to test and refine a resource ordering and accountability system, and to refine and evaluate a permitting system to ensure business continuity for livestock operations in the event of a disease outbreak.
Regional Approach to the Continuity of Business Planning for the Beef Industry	Kansas Department of Agriculture	\$86,970	This proposal will support the continuation of the annual Kansas functional exercises targeting large scale livestock production facilities in 2020 and 2021 despite a loss of emergency management personnel in Kansas. Two major outcomes of the proposal will be to test and refine a resource ordering and

			<p>accountability system and to refine and evaluate a permitting system to ensure business continuity for livestock operations in the event of a disease outbreak. Kansas has a long history of performing functional exercises and many local, State, and federal responders benefit from participating in these exercises.</p>
Secure Food Supply Permitting Exercise for the High Plains Region	Kansas State University	\$75,801	<p>Kansas State University will hold a regional workshop with state and industry officials to address permitting issues within the Secure Beef Supply plans. State officials, and feedlot and packer representatives will be invited from the States of Colorado, Kansas, Oklahoma, Nebraska, and Texas. Workshop topics will include regional communication to implement the Secure Beef Supply plans; validation of the Kansas permitting plan for moving material out of a control zone; identification of permit requirements for origin and destination states; and definition of the industry's roles and responsibilities in the permitting process. Outcomes will include a draft permitted movement plan for each participating state, a draft regional plan, and an updated Kansas permitted movement plan.</p>
Kansas Foreign Animal Disease Regional Tabletop Exercises for Local Jurisdictions	Kansas State University	\$65,152	<p>The Kansas State University National Agricultural Biosecurity Center (NBAC) will provide a series of 10 regional tabletop exercises (designed for 10-11 participating counties each) across the state of Kansas through a combined effort with the Kansas Department of Agriculture and the Kansas Division of Emergency Management. There has been a concerted effort in recent years to include more local jurisdictions in Kansas FAD exercises. The Kansas Department of Agriculture in 2018 provided guidance to County emergency management officials to create an SOP for foreign animal disease response into local emergency operations plans. This series of regional tabletop exercises will test the local jurisdictions' abilities to perform expected actions that may be anticipated by state responders. Findings from the exercises will help update the overall Kansas Response Plan, the Kansas Department of Agriculture FAD response plan, and local jurisdiction response plans. The exercises may also identify additional trainings or exercises needed to help local jurisdictions better prepare to support an animal disease response.</p>
Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Louisiana Department of Agriculture and Forestry	\$107,046	<p>The Louisiana Department of Agriculture and Forestry plans to prepare the State of Louisiana for the VS NTEP FAD SAFE exercise by updating the Louisiana Department of Agriculture and Forestry FAD response plan and developing SOPs for key components of the plan that are essential to a rapid and coordinated response to an FAO outbreak. The topics for SOP development may include: 1) implementing a movement standstill order, 2) deploying vaccine (animal-side), 3) permitting under the Secure Food Supply, 4) determining and establishing disease control areas and the associated surveillance systems, 5) establishing a Unified Command, and 6) evaluating and planning for depopulation and disposal of infected or suspect animals.</p>
Swine Cold Weather Depopulation and Disposal Training and Exercise	Minnesota Department of Agriculture	\$133,954	<p>The Minnesota Department of Agriculture plans to develop and deliver training and an exercise focused on cold-weather depopulation, grinding, and mortality management of swine. The proposal includes developing and exercising cold-weather swine depopulation methods; developing and exercising cold-weather swine carcass management methods such as above ground burial, composting and</p>

			mobile rendering; reporting on findings; and delivering associated training. Decision trees for depopulation and disposal, and herd plan documents will also be produced.
Missouri Agriculture Disease Preparedness & Response Capability Building	Missouri Department of Agriculture	\$30,010	The Missouri Department of Agriculture plans to provide position- specific ICS training to strengthen the capabilities and capacities of incident management teams for responding to agriculture events. After the training, Missouri will form incident management teams from the newly trained personnel. MDA will coordinate and host the ICS 300/400 agriculture specific training and send team members to participate in USDA AgLearn positions specific courses. The project will develop a deeper reservoir of trained staff to assist in State and regional animal disease event response teams.
Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Mississippi Bureau of Animal Health	\$28,539	The Mississippi Board of Animal Health plans to prepare the State of Mississippi for the VS NTEP FAD SAFE exercise. Mississippi's play will involve continuity of business, traces, state and regional communication, epidemiology, diagnostics, and resource sharing. Objectives include: 1) develop uniform public messaging between all stakeholders for an FMD response (activate the State's Joint Information Center during FAD SAFE), 2) implement FAD and/or FMD plan, policies and procedures, 3) identify and allocate resources for FMD response at the federal, state, and local levels, 4) coordinate communications and information sharing between all stakeholders in an FMD response (use EMRS), and 5) effectively coordinate the response to a regional-level FMD outbreak (establish a functional ICS and unified command).
Captive Bolt Euthanasia Training for Responders	Montana Department of Livestock, Animal Health Division	\$25,371	Montana Department of Livestock plans to deliver ten one-day captive bolt euthanasia training courses for State personnel and local veterinarians who are expected to be involved in animal health emergencies. The trainings will better prepare animal health experts throughout the State on the most likely euthanasia method used during an animal emergency for cattle, swine, sheep, and cervids. The project will also purchase 12 penetrating captive bolt guns to be placed with animal health authorities throughout the State.
C&D Investigation of Transporting Infected Carcasses Off-Farm	North Carolina Department of Agriculture and Consumer Services	\$85,854	The North Carolina Department of Agriculture and Consumer Services will develop, prepare, and conduct demonstration exercises for transporting swine carcasses and representative material off-farm to a predetermined disposal site to assess the containment of all materials and associated fluids during bio-secure transport, and to assess the efficacy of NCDACS cleaning and disinfection protocols. The work will be focused on issues related to a potential large animal disease outbreak response in North Carolina. The audience will include state and federal government, academia, and industry.
Pathogen Inactivation in Large Scale Carcass Management by Composting	North Carolina Department of Agriculture and Consumer Services	\$24,510	The North Carolina Department of Agriculture and Consumer Services will deliver poultry carcass composting training to 25 responders over a 1-week period. The training will cover composting techniques, heat requirements to inactivate pathogens, storage pile treatments to minimize odors and vectors, and troubleshooting measures to ensure adequate temperature rise. The training will

involve the University of Maine, North Carolina State University Poultry Unit, poultry industry staff, and North Carolina state government employees.

<p>Beef Supply Plan Development for Nebraska Cattlemen</p>	<p>Nebraska Department of Agriculture</p>	<p>\$212,600</p>	<p>The Nebraska Department of Agriculture will collaboratively develop Nebraska Secure Beef Supply Plans in collaboration with the University of Nebraska and the Nebraska Cattlemen Association. The proposal calls for adoption of a state Secure Beef Supply template focused on the state’s cattle feedlots, development of an accompanying training curriculum, assisting producers in drafting individual plans for their herds followed by exercising the plans. The outcome will catapult the industry into a more prepared, informed, and organized faction through training numerous entities on how to write the plans, assisting feedlot managers to complete their site-specific response plans and testing those plans through exercise events.</p>
<p>New York State and Quarantine and Movement Control Training and Exercise</p>	<p>New York Department of Agriculture and Markets</p>	<p>\$79,483</p>	<p>The New York State Department of Agriculture and Markets (NYSDAM) plans a robust initiative to prepare for quarantine and movement control for a 72-hour stop movement order, improve the skills of FADDs and enhance outreach to producers on Secure Food Supply movement control. The Department’s innovative approach will work with multiple State agency partners The objectives include: 1) train New York State Department of State Police Commercial Vehicle Inspection Unit (NYSDSP-CVIU) personnel on NYSDAM and USDA quarantine and animal movement regulatory authority, 1a) create capability for NYSDAM to inspect animal vehicle traffic moving into or within the state by establishing a SOP. Provide safety training to NYSDSP-CVIU on animal related hazards at an inspection stations, 1b) hold joint exercises between NYSDAM and NYSDSP-CVIU that target commercial animal traffic and interstate movement including day and evening hours, 2) improve capability in surveillance, diagnostic sample collection, submission and reporting technique of general and FADD staff, 3) provide outreach to livestock producers on New York State and National secure food supply movement control plans, 4) improve the capability and capacity of NYSDAM, New York State – Office of Emergency Management staff and New York State Emergency Support Function 11 partner agencies on the use of the USDA EMRS and New York State’s emergency management system for movement control within the incident command system (ICS). This proposal addresses key areas of concern identified in the 2018 ARMAR functional exercise. A revised work plan is recommended to account for reductions in equipment and supplies.</p>
<p>Emergency Management Training – Site Manager Training</p>	<p>Ohio Department of Agriculture</p>	<p>\$11,731</p>	<p>The Ohio Department of Agriculture will organize and deliver Site Manager Training for up to 40 state and federal animal health response staff in and around Ohio. The training will include lecture and hands-on training on biosecurity, safety, site assessment, decontamination, C&D, depopulation, disposal, PPE, and related topics. As part of these activities, ODA proposes to send one staff member to the APHIS Site Manager training so the individual can then serve as a trainer during the Ohio course.</p>

Emergency Management Training – Case Manager	Ohio Department of Agriculture	\$6,303	The Ohio Department of Agriculture will organize and deliver Case Manager Training for up to 40 state and federal animal health response staff in and around Ohio. Case managers will be trained to be the liaison between the owner / producer and the Operations Section Chief and learn about the coordination of depopulation, disposal, environmental sampling, monitoring and reporting issues on the infected premises, communicating with field reimbursement and contracting officer representatives and site managers. Because this training will not be provided by VS in 2020, this will be an excellent way to train regulatory veterinarians in Ohio and neighboring States as Case Managers with minimal travel costs.
Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Oklahoma Department of Agriculture	\$18,199	The Oklahoma Department of Agriculture Food and Forestry will prepare the State of Oklahoma for the VS NTEP FAD SAFE exercise with a focus on issues related to permitting, communication, epidemiology, and laboratory diagnostics. Objectives include: 1) develop uniform public messaging between all stakeholders for an FMD response (activate a Joint Information Center during FAD SAFE), 2) implement FAD and/or FMD plan, policies and procedures (develop operational plans with State IMT and Oklahoma Forestry Services IMT with a focus on movement, communication, epidemiology, plan development and exercise, diagnostics, and resource sharing), 3) identify and allocate resources for FMD response at the federal, state, and local levels, 4) coordinate communications and information sharing between all stakeholders in an FMD response, and 5) effectively coordinate the response to a regional-level FMD outbreak (establish a functional ICS and unified command).
A Rapidly Deployable Animal Disease and Livestock Disaster Communication and Education Network	Oklahoma State University	\$49,522	Oklahoma State University will leverage the Oklahoma Cooperative Extension Services network for targeted response actions and crisis communications in cooperation with animal health agencies and partners in the industry. The proposal will 1) empower Extension agents and interested stakeholders through basic emergency response training and crisis communication training in cooperation with State animal health authorities and industry partners; 2) stand up teams of educators to serve as local response support in the event of a disease outbreak or other livestock disaster and send those teams to advanced ICS training; 3) enhance state animal health communication by developing a coordinated livestock stakeholder communication network of animal health officials, industry partner organizations, agribusinesses, and Extension educators; 4) provide Extension educators and industry stakeholders with critical points-of-contact, talking points, and factsheets that take advantage of innovative technology and approaches; and, 5) exercise the network using table-top exercises in different areas of the state, targeting animal health events for key livestock sectors in the State.
Capacity Building for Emerging and Foreign Animal Disease Preparedness in Pennsylvania	Pennsylvania Department of Agriculture	\$30,575	The Pennsylvania Department of Agriculture will collaborate with Pennsylvania State University to host a three-day Emerging Animal Infectious Diseases Conference that will train accredited veterinarians, poultry and livestock producers, and corporations and businesses with a vested interest in animal agriculture. The objective is to increase the ability of conference participants to recognize high

			consequence FADs which pose an increasing threat to production animals in Pennsylvania and the nation, and to understand how to report suspected cases to authorities.
Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Texas Animal Health Commission	\$97,356	The Texas Animal Health Commission plans to prepare the State of Texas for the VS NTEP FAD SAFE exercise with a focus on incident command position-specific trainings and development of a state vaccination plan. Prior to FAD SAFE, three tabletop exercise will be conducted to develop and test the vaccination plan, test the standstill movement restriction order, and test the evaluation and management of Secure Food Supply plans during an FMD outbreak. The proposal objectives include 1) implement Texas Animal Health Commission plans, policies, and response best practices for FAD and FMD incidents (planning workshops to review plans, training) 2) develop and implement consistent external communication through public information messaging for a FAD/FMD outbreak (activate the Texas Animal Health Commission Joint Information System during FAD SAFE), 3) coordinate effective internal communications and information sharing between all response partners in a FAD/FMD response (refine SOPs for reporting and communication in an FAD response, and train and exercise communication plans), and 4) coordinate with industry stakeholders in the development, implementation, and exercising of Secure Food Supply plans (exercise plans during FAD SAFE).
Online Training Program for FADDs to Respond to Foreign Animal Diseases and Emerging Disease Incidents	Texas A&M AgriLife Research	\$449,287	Texas A&M AgriLife Research will continue its close collaboration with the APHIS VS Professional Development Services Branch at the Plum Island Animal Disease Center to advance the FADD training package to the next level. The objectives include 1) revise the FAD Prep Foreign Animal Disease Investigation Manual for FADDs to have access to an up-to-date, concise reference that provides all the pertinent information necessary to facilitate proper FAD field investigations, 2) develop an online module on New World screwworm to increase capabilities of FADDs in conducting disease outbreak investigations, 3) deliver just-in-time online trainings to FADDs to increase their capabilities in conducting high-consequence disease outbreak investigations, and 4) develop an online library of images and videos on high consequence foreign animal disease investigations for trainers to enhance FAD training capabilities. The proposal includes printing a new edition of the FAD Prep FAD Investigation Manual for FADDs and expanding the current Texas A&M usdatraining.com website to host just-in-time training materials and an FAD library.
Animal Disease Response Short Course: Agribusiness, Animal Handling, and Sample Collection	Texas A&M AgriLife Research	\$118,977	Texas A&M AgriLife Research plans to create a national livestock and poultry education training program that will provide specialized education opportunities for state and federal regulatory animal health officials in the form of one-week short courses. Over a 12 month period of performance, this effort will include the development and piloting of one-week, species-specific training courses. The developed short course – focused on emergency response in support of the swine industry – will be delivered to two cohorts of state/federal animal health official trainees. The course will devote equal time to classroom work and field

training. This project will lay the foundation for a training program that will be customizable for major US livestock species.

Tabletop Exercise: Vaccine Program Preparedness and Implementation	Texas A&M AgriLife Research	\$166,088	Texas A&M AgriLife Research will develop and deliver a tabletop exercise for stakeholders to share and discuss vaccine needs, policies and implementation plans for activating the National Veterinary Stockpile. This exercise will engage regulatory officials, vaccine company representatives and players from the nation's largest livestock production states (Iowa, North Carolina, California, Wisconsin, Texas, and Kansas), representing swine, dairy, and beef production, respectively. The outcome will be enhanced understanding of the needs and requirements for activation and usage of veterinary vaccine stockpiles through discussion of the following four topics: 1) vaccine planning (state- and industry-specific plans relevant to both their state and national production); 2) distribution (factory to stockpile to state staging to farm); 3) implementation (who, how, delivery system, tracking, and quality control); and, 4) contingency plans (e.g., vaccine failure).
Preparation and Response to Catastrophic Animal Disease: Removing Critical Obstacles to Readiness in the Western States	University of California (Davis)	\$562,910	The University of California Davis will develop and deliver on-line tools and in-person training in California, Oregon, and Arizona to improve animal health emergency preparedness and response in those states. The University of California will accomplish this goal by conducting a needs assessment to identify knowledge gaps and training needs. The applicant will then develop an interactive website to guide users through building a biosecurity plan, and the website will provide a library of related resources. Anticipated novel content includes interactive on-line plan templates, facility map construction tools, Just-in-Time instructional videos, and templates for Standard Operating Procedures. Once the interactive website is completed, the University of California will deliver three workshop exercises in each state of California, Oregon, and Arizona for a total of nine events to demonstrate the online tools. Workshops will include live demonstrations of enhanced biosecurity plans staged at working farms.
Strengthening Local, Regional, and National Emergency Poultry Disease Response	University of Delaware	\$257,494	The University of Delaware plans to deliver a single-day, targeted foam poultry depopulation training; comprehensive multi-day poultry foam depopulation training; half-day epidemiology training on agriculturally important animal diseases; grower training on expectations and roles during an animal health emergency; grower and industry oriented mass disposal training; and a culminating water movement drill to support foaming and disposal.
Animal Disease Training and Exercises Across the Veterinary Educational Spectrum (AD-TEAVES)	University of Illinois	\$429,835	The University of Illinois Urbana-Champaign will develop a cadre of animal agriculture responders who can serve on incident management teams by developing and conducting a tabletop exercise to identify baseline capabilities; by developing and delivering a 60-hour, in-person 10-month accredited course; by conducting a functional exercise to assess effectiveness of training; and by identifying corrective actions for continual improvement.

Carcass Management Preparedness Train the Trainer Program for Animal Agriculture Sector Responders	University of Maine	\$260,449	The University of Maine System will conduct four train-the-trainer animal mortality management courses targeting state and federal government responders, practicing veterinarians, and industry representatives in MN, OK, PA, and GA. However, the reviewers recommend eliminating Georgia because they had not provided support for the project and the region is addressed by funding PA and OK. With that reduction, a total of 75 students will be trained towards achieving Composting SME status. In addition to mortality composting training, the students will also learn about biosecurity, grinding and above ground burial. Each course is approximately 4 days long.
Online education program to enhance rapid responses to disease outbreaks and/or animal related incidents pertaining to fairs, exhibitions, or facilities.	Washington State University	\$316,077	Washington State University will develop on-line training on zoonotic disease risks, about emergency responses to animal related incidents during fair or exhibit events, and how to mitigate infection and spread of zoonotic diseases for participants in fair and exhibit events or responders to animal related incidents. Using the on-line modules, Washington State proposes to train first responders to prepare for, respond to, and recover from animal related incidents during fair or exhibit events and to train fair and exhibit professionals and volunteers on awareness of zoonotic diseases, how to identify clinical signs of disease, enact emergency action plans, and provide proper incident response and communication. In addition, Washington State proposes to provide a national clearinghouse of individuals that have completed education and training programs related to animal disease and incident response at livestock fairs and exhibitions. The target audience includes Fair/exhibit managers, volunteers, livestock or poultry exhibitors/producers (adults & youth), veterinarians, state/volunteer emergency management personnel, general public visiting fairs/exhibits, respective food or fiber animal producers, state departments of agriculture across the US.
Public-Private Partnership in Animal Disease Outbreak	Wisconsin Department of Agriculture	\$158,014	This proposal focuses on building strong private-public partnerships based on joint education, planning, exercising, and evaluation. The proposed activities will enhance industry education and build a framework to support response efficiencies and trust. The proposal includes online and face-to-face training in critical activities of an animal disease outbreak response, workshops to develop response plans, and exercises to test and evaluate the response plans.
Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	West Virginia Department of Agriculture	\$103,876	The West Virginia Department of Agriculture will prepare the State of West Virginia for the VS NTEP FAD SAFE exercise by supporting training and exercise events to enhance animal disease emergency preparedness and response efforts. The objectives include: 1) conduct preparedness and response training for animal health emergency critical activities (ICS 300, 400 and position-specific ICS training, EMRS training, FAD training, West Virginia Joint Information Center training), 2) plan, conduct, and evaluate VS NTEP tabletops, drills, and functional exercises (requesting VS National Incident Management Team and transfer of command, ICS and IMT structure, standstill plan development workshop and TTX, FADD drills, secure milk supply tabletop exercise, vaccination plan development, workshop and tabletop exercise), 3) provide travel for participation in planning, conducting, and evaluating tabletops, drills, and functional exercises, and 4) update existing state

FAD response plan and develop an FMD-specific annex to the FAD plan. A revised work plan is recommended to define the milestones, activities, methods, outcomes, and target audience more clearly.