



*Farm Bill Section 12101*

**NATIONAL ANIMAL DISEASE  
PREPAREDNESS AND  
RESPONSE PROGRAM**

*and*

**NATIONAL ANIMAL HEALTH  
LABORATORY NETWORK**

**2019 Spending Plan**

*January 2020*

## 2019 Spending Plans for the National Animal Disease Preparedness and Response Program and National Animal Health Laboratory Network

### National Animal Disease Preparedness and Response Program

APHIS is awarding \$5.2 million through the National Animal Disease Preparedness and Response Program (NADPRP). These projects will advance the capabilities, capacity, and readiness of the nation’s animal agriculture sector responders through training and exercises. They will be led by State animal health authorities and land-grant universities in 25 States. The projects will address training and exercise priorities in all major livestock industries and all regions of the United States, helping us enhance our existing disease emergency preparedness and response efforts. Funded projects are listed below.

<b>Proposals that help States prepare for the 2020 Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)<sup>1</sup>.</b>		
Alabama - Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Alabama Dept of Agriculture and Industries	\$9,531
Florida - Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Florida Dept of Agriculture and Consumer Services	\$22,525
Georgia - Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Georgia Dept of Agriculture	\$83,868
Louisiana - Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Louisiana Dept of Agriculture and Forestry	\$107,046
Mississippi - Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Mississippi Board of Animal Health	\$28,539
Oklahoma - Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Oklahoma Dept of Agriculture, Food and Forestry	\$18,199
South Carolina - Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Clemson University	\$34,630
Texas - Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	Texas Animal Health Commission	\$97,356
West Virginia - Foreign Animal Disease Southern Agriculture Functional Exercise (FAD SAFE)	West Virginia Dept of Agriculture	\$103,876
<b>Proposals that address animal movement control and secure food supply plans in animal disease outbreak response.</b>		
Beef Supply Plan Development for Nebraska Cattlemen	Nebraska Dept of Agriculture	\$212,600
New York State and Quarantine and Movement Control Training and Exercise	New York State Dept of Agriculture and Markets	\$79,483

<sup>1</sup> This regional exercise builds on findings from the 2018 National Agriculture Response Management and Resources (ARMAR) functional exercise and will enhance preparedness for an escalating outbreak of foot-and-mouth disease in North America.

Regional Approach to the Continuity of Business Planning for the Beef Industry	Kansas Dept of Agriculture	\$86,970
Secure Food Supply Permitting Exercise for the High Plains Region	Kansas State University	\$75,801
<b>Proposals to deliver training to agriculture sector responders to perform depopulation, disposal, and disinfection critical activities in animal disease outbreak response.</b>		
Swine Cold Weather Depopulation and Disposal Training and Exercise	Minnesota Dept of Agriculture	\$133,954
Cleaning and Disinfection Investigation of Transporting Infected Carcasses Off-Farm	North Carolina Dept of Agriculture and Consumer Services	\$85,854
Captive Bolt Euthanasia Training for Responders	Montana Dept of Livestock	\$25,371
Pathogen Inactivation in Large Scale Carcass Management by Composting	North Carolina Dept of Agriculture and Consumer Services	\$24,510
Strengthening Local, Regional, and National Emergency Poultry Disease Response	University of Delaware	\$257,494
Carcass Management Preparedness Train-the-Trainer Program for Animal Agriculture Sector Responders	University of Maine	\$260,449
<b>Proposals that focus training on a specific critical preparedness and response activity that was targeted in 2019 funding opportunity, such as biosecurity, communications, and surveillance.</b>		
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
A Rapidly Deployable Animal Disease and Livestock Disaster Communication and Education Network	Oklahoma State University	\$49,522
Capacity Building for Emerging and Foreign Animal Disease Preparedness in Pennsylvania	Pennsylvania Dept of Agriculture	\$30,575
<b>Proposals that deliver training that addresses multiple critical preparedness and response activities that were targeted in 2019 funding opportunity.</b>		
Avian Influenza Preparedness	Alabama Dept of Agriculture and Industries	\$55,691
Enhancing Georgia's FAD Response Capabilities Training and Exercise Program	Georgia Dept of Agriculture	\$ 123,262
Kansas Animal Disease Preparedness	Kansas Dept of Agriculture	\$140,000
Public-Private Partnership in Animal Disease Outbreak	Wisconsin Dept of Agriculture, Trade and Consumer Protection	\$158,014
Notification of Demobilization: Lifecycle of diseases Response, Recovery, and Mitigation	California Dept of Food & Agriculture	\$ 255,718
Kansas Foreign Animal Disease Regional Tabletop Exercises for Local Jurisdictions	Kansas State University	\$65,152
Develop, Pilot, and Implement Two National Training Programs to Help Build Personnel Capacity and Increase Efficiency During a Foreign Animal Disease Outbreak	Iowa State University of Science and Technology	\$309,361

Animal Disease Training and Exercises Across the Veterinary Educational Spectrum	University of Illinois	\$429,835
Animal Disease Response Short Course: Agribusiness, Animal Handling, and Sample Collection	Texas A&M AgriLife Research	\$118,977
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
<b>National and regional proposals that address additional and specific critical activities such as on-farm biosecurity and advanced training for Foreign Animal Disease (FAD) investigations.</b>		
Preparation and Response to Catastrophic Animal Disease: Removing Critical Obstacles to Readiness in the Western States	University of California (Davis)	\$562,910
Online Training Program for FADDs to Respond to Foreign Animal Diseases and Emerging Disease Incidents	Texas A&M AgriLife Research	\$449,287
<b>Proposals that deliver Incident Command System (ICS) training, including specific response roles.</b>		
Missouri Agriculture Disease Preparedness & Response Capability Building	Missouri Dept of Agriculture	\$30,010
Emergency Management Training – Site Manager Training	Ohio Dept of Agriculture	\$11,731
Emergency Management Training – Case Manager	Ohio Dept of Agriculture	\$6,303
<b>Proposals that address emergency vaccination plans in animal disease outbreak response.</b>		
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
Tabletop Exercise: Vaccine Program Preparedness and Implementation	Texas A&M AgriLife Research	\$166,088
<b>TOTAL</b>		<b>\$5,180,320</b>

## National Animal Health Laboratory Network

APHIS is awarding \$5 million through the National Animal Health Laboratory Network (NAHLN). The 26 NAHLN funded projects will be led by NAHLN laboratories representing 19 states. Collectively, they address test method development and validation, improving electronic transmission of data, increasing biosafety and biosecurity in laboratories and enhancing emergency preparedness. These efforts will help us enhance NAHLN diagnostic and emergency response capability. Funded projects are listed below.

<b>Proposals that address test method development and validation</b>		
Development and validation of a universal real-time RT-PCR assay to distinguish between virulent APMV-1 and APMV-1 of low-virulence and development of primers-probes bank for rapid distribution to field laboratories in response to a virulent APMV-1 outbreak in the United States	Texas A&M Veterinary Medical Diagnostic Laboratory	\$152,925
United front to develop harmonized NGS training and procedures to increase the capabilities and capacity of NAHLN laboratories in response to antimicrobial resistance (AMR)	Athens Veterinary Diagnostic Laboratory, University of Georgia	\$412,580
Sequence-based real-time identification of NAHLN scope viral diseases and emerging viral diseases using long read approaches	University of Nebraska Veterinary Diagnostic Center	\$230,153
Validation of alternative samples for the diagnosis and surveillance of African swine fever	University of Minnesota Veterinary Diagnostic Laboratory	\$47,188
Development of an Interactive Spatial Agrometrics Tool for the Calculation of Livestock (Cattle, Swine and Poultry) Populations in the United States at the County and Parish Level	Oklahoma Animal Disease Diagnostic Laboratory	\$160,424
Novel Approach to Diagnose and Genetically Characterize High Consequence Pathogens Affecting Animal Health	Colorado State University Veterinary Diagnostic Laboratory	\$93,404
Scalable Field PCR Platform for Senecavirus A and Foot and Mouth Disease	Tennessee – Kord Animal Disease Diagnostic Laboratory	\$250,000
Laboratory Detection Preparedness of Emerging Diseases in Aquatic Species	Washington Animal Disease Diagnostic Laboratory	\$400,000
Enhancing the National Animal Health Laboratory Network (NAHLN) Diagnostic Capability and Emerging Disease preparedness through Next-Generation Sequencing	Animal Health Diagnostic Center, College of Vet Med, Cornell University	\$900,000
<b>Proposals that address enhancing biosafety / biosecurity and emergency preparedness</b>		
USGS National Wildlife Health Center - Building capacity to rapidly detect agents of emerging infectious disease	Wisconsin – USGS National Wildlife Health Center	\$167,292
USGS National Wildlife Health Center - Capacity building in Wisconsin – Enabling compliance at the National Wildlife Health Center and surge support for the Wisconsin Veterinary Diagnostic Laboratory	Wisconsin – USGS National Wildlife Health Center	\$100,946
Rollins Animal Disease Diagnostic Laboratory - Enhancing Testing Capacity and Diagnostic Capabilities Using High Throughput Polymerase Chain Reaction Assay	North Carolina – Rollins Diagnostic Laboratory	\$66,021

Bronson Animal Disease Diagnostic Laboratory - Enhancement of Chronic Wasting Disease Testing Capacity	Florida – Bronson Animal Disease Diagnostic Laboratory	\$150,000
University of Missouri Veterinary Medical Diagnostic Laboratory - Enhancing Testing Capacity in Biosafety Level-3 Laboratory for Improved Detection of and Response to Foreign Animal Diseases	University of Missouri Veterinary Medical Diagnostic Laboratory	\$104,108
University of Pennsylvania PADLS New Bolton Center - Enhanced surveillance and outbreak surge capacity testing for high-consequence, NAHLN-scope animal diseases	University of Pennsylvania, School of Vet Med, New Bolton Center	\$144,056
North Dakota State University Veterinary Diagnostic Laboratory - Enhancing laboratory preparedness for NAHLN scope diseases	Veterinary Diagnostic Laboratory, North Dakota State University	\$100,310
Wyoming State Veterinary Laboratory - One Health Wyoming: Enhancing Inter-laboratory Coordination for Emerging Diseases	Wyoming State Veterinary Laboratory	\$55,321
Colorado State University Veterinary Diagnostic Laboratories - Enhancement of Chronic Wasting Disease and Scrapie Diagnostic Testing Capabilities	Colorado State University Veterinary Diagnostic Laboratory	\$197,200
Cornell Animal Health Diagnostic Center / New York State Veterinary Diagnostic Laboratory (AHDC/NYSVDL) - Cornell AHDC/NYSVDL Emergency Preparedness Capacity	Animal Health Diagnostic Center College of Vet Med, Cornell University	\$195,093
<b>Proposals that address electronic transmission of data</b>		
Implement NAHLN Order Message Receiver in USALIMS	Clemson Veterinary Diagnostic Center	\$105,021
Enhancing the National Animal Health Laboratory Network (NAHLN) Diagnostic Capability through electronic reporting and transmission of data	Athens Veterinary Diagnostic Laboratory, The University of Georgia	\$412,122
Deep Learning Computational Algorithms for Disease Diagnosis by Genome Sequencing	Oklahoma Animal Disease Diagnostic Laboratory	\$158,136
Preparedness for Throughput Scaling	Texas A&M Veterinary Medical Diagnostic Laboratory	\$33,248
Strengthening and enhancement of Kansas State Veterinary Diagnostic Laboratory (KSVDL) capacity for FAD Emergency preparedness and response	Kansas State Veterinary Diagnostic Laboratory	\$188,597
Enhancing Antimicrobial Resistance Surveillance via Veterinary Diagnostic labs through XML results messaging	Texas A&M Veterinary Medical Diagnostic Laboratory	\$104,060
Interconnected Electronic Reporting and Transmission of Data	Arkansas Livestock & Poultry Commission Laboratory	\$71,500
<b>TOTAL</b>		<b>\$4,999,705</b>