

NADPRP Sheep and Goat projects and funding opportunity

National Animal Disease Preparedness
and Response
USDA APHIS Veterinary Services



National Animal Disease Preparedness and Response Program (NADPRP)

- APHIS Cooperative Agreements
- Projects that enhance local, regional, and national capabilities to prevent, prepare for, and respond to animal disease outbreaks.



Since FY2020, APHIS has provided over \$54 million to support more than 250 projects and plans to invest an additional \$17M in new projects in FY2025.

National Animal Disease Preparedness and Response Program (NADPRP)

- Annual Competitive Funding Opportunities
- States, Tribes, universities, industry organizations, veterinary organizations, and other federal agencies may apply for funds.
- Projects typically funded for 2 years.



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National Animal Disease Preparedness and Response Program (NADPRP)

Funding is aimed at projects that address critical current needs to help prevent, prepare for, and respond to high-consequence **emerging and foreign animal diseases.**



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FY 2020

- Training & Exercises
\$5.2M,
39 projects

FY 2021

- Biosecurity
 - Depopulation, disposal, decontamination
- \$9.3M,
46 projects

FY 2022

- State Vaccine Plans
 - Animal Movement Decisions
 - Outreach & Education
- \$7.6M,
36 projects

FY 2023

- Training & Exercises
- Biosecurity
- Depopulation, disposal, decontamination
- State preparedness plans
- Animal movement decisions
- Outreach & education
- Animal disease traceability
- Special Topics: Aquatic, Sheep & Goat Vaccines

\$15.8M,
60 projects

FY 2024

- Training & exercises
- Biosecurity
- Depopulation, disposal, decontamination
- State preparedness plans
- Animal movement decisions
- Outreach & education
- Animal disease traceability
- Special Topics: Aquatic, Sheep & Goat Vaccines

\$16.2M
74 projects

FY 2025

- Training & exercises
- Biosecurity
- Depopulation, disposal, decontamination
- State preparedness plans
- Animal movement decisions
- Outreach & education
- Animal disease traceability
- Special Topics: Aquatic, Equine, Sheep & Goat Vaccines

NADPRP FY25 Core Funding Priorities

1. State and Tribal Emergency Response Plans

Help States and Tribes develop & practice animal disease response plans

2. Biosecurity

Increase producer use of effective biosecurity & evaluating methods

3. Carcass Disposal, Decontamination, and Depopulation

Build capacity for critical activities for emergency response

4. Animal Movement

Support animal & product movement decisions in a disease outbreak

5. Traceability

Enhance disease traceability during a disease outbreak

6. Training & Exercises

Help responders and producers quickly halt outbreaks & minimize impacts

7. Outreach & Education

Enhance awareness & understanding of prevention and preparedness

NADPRP FY25 Target Issues

a. Multi-state and/or multi-partner exercises for animal disease response plans

b. Biosecurity projects that address:

Animals in transport, Pathogen routes onto livestock premises, Commingling/Points of concentration, Niche producers

c. Training / Outreach well being of responders

d. Training / Outreach to improve disease reporting

e. Sheep and goat vaccines

f. Aquatic animal disease preparedness and response

g. Equine disease outbreak prevention and response

NADPRP FY25 Funding Opportunity

Projects to Advance the Development of Sheep and Goat Vaccines:

Foreign Animal Disease

Domestic Disease

Health Concerns

NADPRP Sheep and Goat Projects

- 5 projects (\$1.4 million) targeting sheep and goat vaccine development, outreach and education - emergency response plans, foreign animal disease management and reporting.
- 40 additional projects (\$6.4 million) to enhance FMD preparedness across multiple species.
- 125 additional projects (\$26.8 million) to support other forms of preparedness that benefit sheep and goat producers (excluding 3D projects).



NADPRP Sheep and Goat Projects

- 2022** **American Sheep Industry Association:** 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 (*multiple species*)
- 2023** **USDA ARS:** Characterizing the Major Histocompatibility Complexes of US Based Domestic Goats
- American Sheep Industry Association:** Outreach and Education - FMD Preparedness and the Secure Sheep & Wool Supply
- Washington State University:** Outreach and Education – Small Ruminant Herd Health, Disease Prevention, Reporting and Management.
- 2024** **American Sheep Industry Association:** Evaluating the Traceability of Livestock Marketed in an Auction Market Setting Utilizing Electronic ID in a Foot-and-Mouth Disease Outbreak Through Collaboration with Industry and State Partners (*multiple species*)
- Iowa State University :** Advancing platform vaccines for sheep and goats
- Oklahoma State University:** Assessing adjuvants on cellular and humoral responses in sheep and goats

Project Title: American Sheep Industry Association: 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

Funding Level: \$185,105

Project Summary:

- Led by the American Sheep Industry Association
- This project focuses on discussing, developing, and exercising livestock management options, movement strategies, and guidance documents to manage and mitigate risks for livestock on public land allotments in an FMD outbreak.
- Deliverables include the development of an animal movement plan.

Project Title: Characterizing the Major Histocompatibility Complexes of US Based Domestic Goats

Funding Level: \$291,305

Project Summary:

- Led by USDA ARS
- Sequence the Major Histocompatibility Complexes (MHCs) from a variety of goat breeds to promote characterization of the genes.
- Sequenced MHC molecules will be made available on public databases for agricultural researchers.

Project Title: Building capacity for broad outreach and education about FMD preparedness and the Secure Sheep and Wool Supply (SSWS) Plan to sheep industry stakeholders

Funding Level: \$180,616

Project Summary:

- Led by the American Sheep Industry Association
- Broad outreach about foot-and-mouth disease (FMD) preparedness and the Secure Sheep and Wool Supply (SSWS) Plan to sheep industry stakeholders.
- Deliverables include multiple virtual train-the-trainer programs for sheep association leadership, extension professionals, and veterinarians; financial and education material support for advanced trainers to deliver outreach directly to sheep producers.

Project Title: Avoiding a Foreign Animal Disease House of Cards: Stacking the Deck in Favor of Small Ruminant Disease Prevention, Preparedness, and Response

Funding Level: \$235,488

Project Summary:

- Led by Washington State University
- Enhance foundational knowledge of small ruminant herd health, disease management, and prevention and recognition of reportable emerging and foreign animal diseases.
- Develop and deliver outreach and education
- Deliverables include webinar-derived online videos

Project Title: Evaluating the Traceability of Livestock Marketed in an Auction Market Setting Utilizing Electronic ID in a Foot-and-Mouth Disease Outbreak Through Collaboration with Industry and State Partners

Funding Level: \$110,000

Project Summary:

- Led by the American Sheep Industry Association in Collaboration with the Oregon Department of Agriculture.
- Demonstrate how the use of electronic identification systems utilized in a livestock market setting can enhance animal disease traceability and decrease the response time during a foreign animal disease outbreak.
- Deliverables include videos, articles, presentations and reports.

Project Title: Advancing Platform Vaccines for Use in Sheep and Goats

Funding Level: \$513,086

Project Summary:

- Led by Iowa State University
- Field studies using the BTV MedGene prescription platform (RxPT) vaccine
- Field efficacy studies on the CVV RxPT vaccine
- Experimental challenge and efficacy studies on the RSV RxPT vaccine

Project Title: Assessing the Performance of Vaccine Adjuvants on Cellular and Humoral Responses to Viral Antigens in Sheep and Goats

Funding Level: \$238,731

Project Summary:

- Led by Oklahoma State University
- Study sheep and goats immunized against respiratory viruses using three adjuvants to:
 - Evaluate the induction of circulating neutralizing antibody levels
 - Assess the kinetics of serum IgM and IgG antibody levels
 - Investigate the cell-mediated responses elicited

NADPRP Funding Opportunities Updates

FY 2025 Funding Opportunity

- Up to \$16,500,000 is available
- Application window is closed.
Proposals are currently under review
- 134 proposals were received, totaling \$38 million in requested funding
- Announcement of awarded projects is expected in May 2025
- Projects to start July – August 2025

FY 2026 Funding Opportunity

- APHIS expects to announce the FY2026 NADRPP funding opportunity in August 2025





Questions?

Thank you