



NATIONAL  
**ANIMAL**  
**NUTRITION**  
PROGRAM

# NRSP-9 Renewal: National Animal Nutrition Program

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# NANP is very appreciative of the support from agInnovation and the funding of NRSP-9

- Excellent Administrative Advisors
- USDA/NIFA
- Professional societies
- NASEM
- Academic and industry scientists

# History of NRSP-9

- Discussions started in 2008
- Initial funding was awarded in 2010
- Subsequent to 2010, two additional 5-year funding cycles were successful: 2015-2020; 2020-25
- In late 2023, a working relationship with NRCS (\$1.5 million) was developed to help NRCS provide resources and outreach for NRCS-producer nutrient management programs (funding and projects currently frozen). No NRSP-9 funds were used to develop this working committee



# NATIONAL ANIMAL NUTRITION PROGRAM

- FEED COMPOSITION
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FEED COMPOSITION

MODELING

## WHO ARE WE?

The National Animal Nutrition Program (NANP) serves as a forum to identify high-priority animal nutrition issues and provides an integrated and systemic approach to sharing, collecting, assembling, synthesizing, and disseminating science-based information, educational tools, and enabling technologies on animal nutrition that facilitate high-priority research among agricultural species.

[NANP IMPACT STATEMENT](#)

[NANP ORGANIZATIONAL SUMMARY](#)

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**A National Research Support Project (NRSP-9)**  
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Website by SURFACE 51



# NANP Working Committees

- Coordinating Committee
  - Phil Miller
- Feed Composition Committee
  - Ryan Dilger
- Modeling Committee
  - Luis Tedeschi
- Climate-Smart Feed Management Committee
  - Luis Tedeschi

# Major Accomplishments

- Coordinating Committee
  - Overall program development
  - Review working committees activities
  - Plan and coordinate biennial Summits
  - Developed NANP 501c3 designation
    - In process: outlining marketing prospectus
  - Oversight of 2025-2030 project renewal
  - Initiated social media campaign

# Major Accomplishments

- Feed Composition Committee

- Ingredient database: represents 95% of feed tonnage and 97% of feedstuffs for nonruminants. 90% of feed tonnage and 85% of feedstuffs for ruminants
- The entirety of the Beef and Dairy NASEM ingredient databases are uploaded. This significantly increases the number of feedstuffs
- Broadened the curation of feed composition data to include small ruminants, horses, aquatic species, companion animals and zoo animals
- Integrated NANP feed composition database into Poultry NASEM report (i.e., the database will exist on the NANP website and not be published in its entirety in the hardcover report)



# Major Accomplishments

- Modeling Committee

- Over 700 participants trained since 2017, including faculty, graduate students and industry professionals
- As a result of these training symposia and modeling committee activities, 25 manuscripts have been published
- Developed beta-testing protocols for NASEM software to reduce errors and enhance usability
- Collaborated with the Feed Composition Committee to enhance model(s) accuracy using updated feed composition data
- Continued to develop a cross-species performance modeling platform



# Goals: 2025-2030

- Develop an easily accessible and searchable feed composition database for the NASEM Swine Committee and integrate this database with others.
- Develop and foster relationships with commercial laboratories and organizations for ongoing submission of feed analyses and automated data screening methodologies. This would include expansion of ingredients to cover other species (e.g., horses, small ruminants, companion animals, aquatic, and wildlife/zoo animals).
- Target solicitation of composition data for both nutrients that are not well represented or ingredients where data are lacking.

# Goals: 2025-2030

- Expand multi-level training of modeling techniques to academic and industry nutritionists and graduate students across multiple species at professional meetings and develop online tools to provide modeling training and certification of users.
- Provide data and modeling resources in conjunction with scientific expertise to develop a Climate Smart Feed Management Committee program.
- Expand our social media platform to enhance client and stakeholder engagement.

# Goals: 2025-2030

- Development of an Application Program Interface (API) to allow users to directly engage with NANP Feed Composition records, which will also enable streamlined integration with modeling and CSFM committee efforts moving forward.
- Develop budget for 501c3 – by the end of the funding cycle (2025-2030) we expect to recruit \$150,000/year through the 501c3

# Budget

- Currently requesting \$1.591 million (2025-2030)
- Increase in post-doc salaries/benefits
- Website maintenance and data management
- Social media and workshops/symposia
- Anticipate to leverage over \$37 million

# Questions?