

National Animal Nutrition Program

- Established in 2010; renewed (and expanded) in 2015.
- A research-support activity requested by stakeholders.
- Focus of the NANP:
 - Address challenges facing researchers, educators, and support agencies in animal agriculture and fill voids in the research and academic communities.

Funding and Governance

- NANP is one of seven National Research Support Projects.
- Funded with Hatch Funds administered by USDA prior to distribution of formula funds to state agricultural experiment stations.
- Administrative Advisors from four regions:
 - Bret Hess (Lead), University of Wyoming
 - Lesley Oliver, University of Kentucky
 - David Benfield, The Ohio State University
 - Rick Rhodes, University of Rhode Island
- National Program Leaders from USDA/NIFA:
 - Charlotte Kirk Baer (Lead)
 - Steve Smith

Structure of the National Animal Nutrition Program

- Coordinating Committee M. Lindemann (UK)
- Feed Composition Committee P. Miller (UNL)
- Modeling Committee M. Hanigan (VT)

Selection of Committee Members

- Applicants were recruited through a national search utilizing various media and involving professional societies, government, academia, and industry.
- Files of applicants were reviewed, and appointments were made by the Administrative Advisors.
- Background and experience, species expertise, geographic region, and other factors were considered in making appointments.

Coordinating Committee

- Oversee and coordinate the selection process and the work of the Feed Composition and Modeling Committees.
- Advise the National Academies on critical national priorities.
- Provide a forum to address research support needs.

Coordinating Committee Members

- Merlin Lindemann (Chair), University of Kentucky
- Gary Cromwell (Past-Chair), University of Kentucky
- Todd Applegate, University of Georgia
- Don Beitz, Iowa State University
- Ryan Dilger (Feed Comp), University of Illinois
- Heidi Rossow (Modeling), University of California-Davis
- Nancy Irlbeck, Washington State University
- Jack Odle, North Carolina State University
- Delbert Gatlin, Texas A&M University
- Carey Williams, Rutgers
- Joel Caton, North Dakota State University
- Robin Schoen, National Academies/NRC (Liaison)

Feed Composition Committee

- Bring together data and research resources in the area of feed composition.
- Foster communication among those collecting feed composition information.
- Facilitate efficiencies and consistencies in data collection and maintenance.
- Interface with and support the requirement revision committees as requested.

Feed Composition Committee Members

- Phil Miller (Chair), University of Nebraska
 - Andres Schlageter University of Nebraska
- Ryan Dilger, University of Illinois
- Bill Dozier, Auburn University
- Mark Edwards, Cal Poly San Luis Obispo
- Alexander Hristov, Pennsylvania State University
- Brian Small, University of Idaho
- Mark Nelson, Washington State University
- Michael Lilburn, The Ohio State University
- Casey Bradley, DSM
- William Weiss, The Ohio State University

Modeling Committee

- Improve use of predictive technologies and tools to best utilize available platforms.
- To work with researchers to effectively share, combine, manage, manipulate, and analyze models and modeling information.
- Interface with and support the requirement revision committees as requested.

Modeling Committee Members

- Mark Hanigan (Chair), Virginia Tech
 - Veridiana De Souza Daley, Virginia Tech
- Heidi Rossow, University of California-Davis
- · Tim Hackmann, University of Florida
- Ermias Kebreab, University of California-Davis
- Peter Ferket, North Carolina State University
- John McNamara, Washington State University
- Luis Tedeschi, Texas A&M University
- Nathalie Trottier, Michigan State University
- Mike VandeHaar, Michigan State University
- Dominique Bureau, University of Guelph

How Does the National Animal
Nutrition Program Collaborate with
NASEM
(the National Research Council)?

Specific Needs of the NRC

- Financial
 - -- Impacts amount of time between revisions
- Feed composition tables
- Nutrient requirement models
 - -- Development
 - -- Maintenance

Support

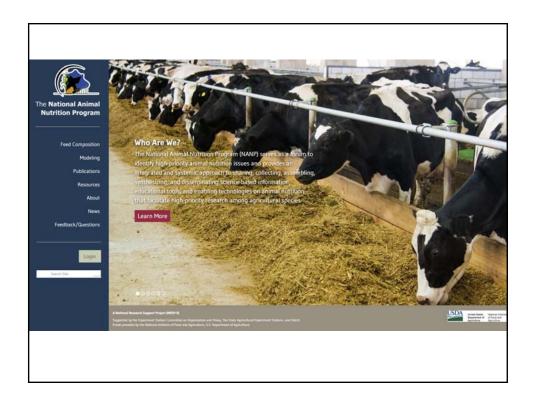
- Financial
 - Provides annual support to the NRC
- Scientific and Technical
 - Development of a system for management of feed ingredient information, including a feed ingredient database.
 - Modeling support for establishment of nutrient requirements for agricultural animals (beef, dairy, swine, and poultry).

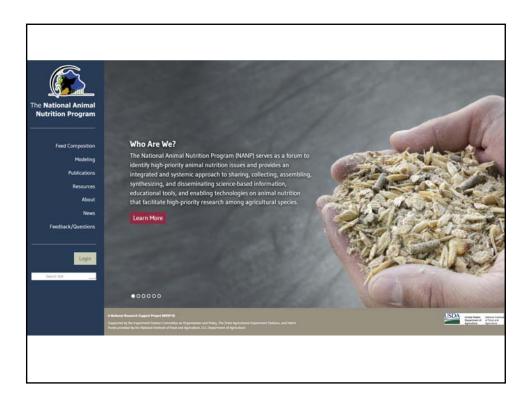
National Animal Nutrition Program Websites:

www.animalnutrition.org

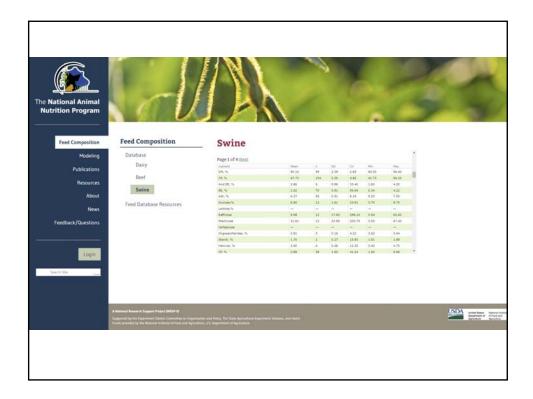
Global Animal Nutrition Network

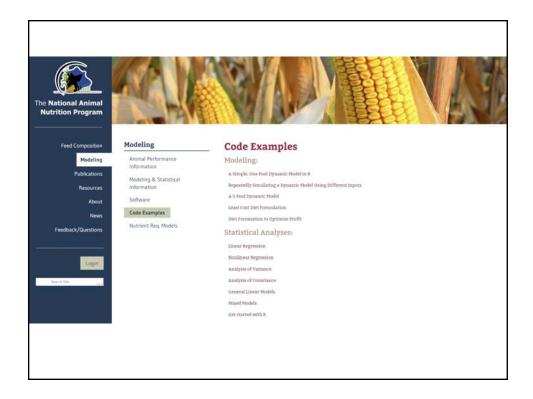
https://gann-nanp.org/expert











Future - Goals and Direction

- · Committee membership rotation.
- Expanded opportunities with the website.
- More dynamic, current, and robust feedstuff data base.
- Expanded educational options through the website.
- Modeling workshops.
- Integrated animal performance databases with nutrient requirement estimates.

