The National Animal Nutrition Program

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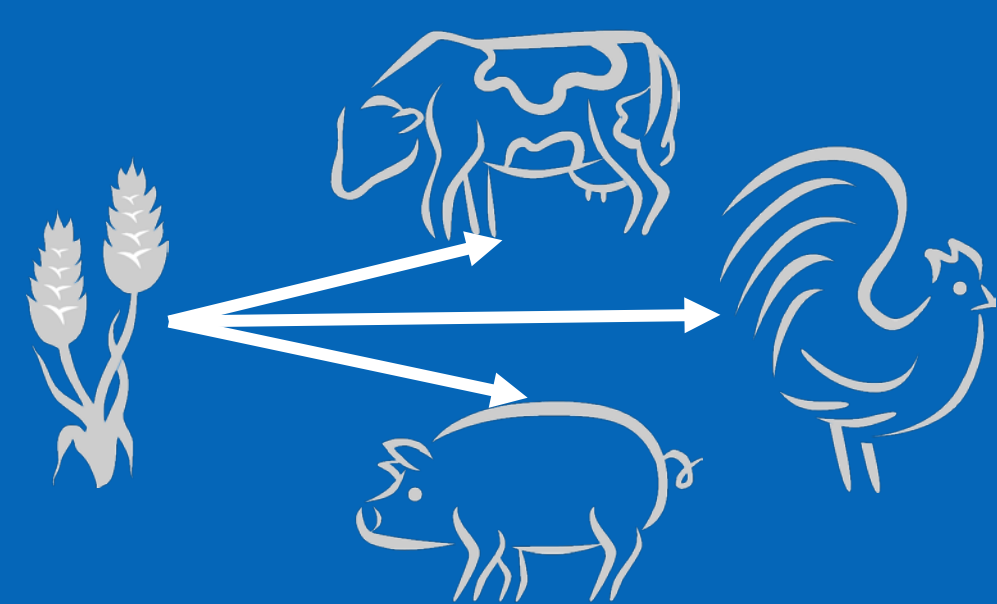
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USDA United States Department of Agriculture National Institute of Food and Agriculture

ESCOP Experiment Station Committee on Organization and Policy

focus

The NANP focuses on addressing challenges facing researchers in animal agriculture and filling voids in the research and academic communities.

Scientific and technical support is provided to the animal nutrition community in two areas – development of a system for management of feed and ingredient information, including a feed ingredient database, and modeling support for establishment of nutrient requirements for beef cattle, dairy cattle, swine, and poultry.

The NANP Modeling committee promotes the use of predictive technologies and platforms in animal nutrition research, stores, shares, and improves data and models, and manages a forum for model feedback and suggestions.

The NANP Feed Composition committee collects and organizes feed composition data, evaluates and organizes assays and diet analysis methods, and offers an area for discussion on feeds and feed analysis techniques.

coordinating committee

The coordinating committee oversees and directs the NANP and advises The National Academies on critical research priorities in animal nutrition.

Impacts:
- Interactions through professional society meetings and open discussion forums with academic, industry, and government stakeholders have resulted in the collective identification of high priority issues.
- Coordinated approaches to tackling issues through the NANP have enabled new collaborations, application of state-of-the-art technologies, and innovative mechanisms for communication among animal nutrition professionals from all sectors.

modeling and feed composition committees

The modeling committee seeks to improve the use of predictive technologies and tools, utilize best available platforms, and to work with researchers to effectively share, combine, manage, manipulate, and analyze models. The feed committee serves to bring together data and research resources on feed composition, to foster communication among those collecting feed composition information and to facilitate efficiencies and consistencies in data collection and maintenance.

Impacts:
- Two highly-valued NRC software products that were not functional on modern computers are now reformatted, accessible, and in use by researchers and educators.
- Modeling datasets and resources that were previously isolated are now integrated, accessed, and shared across the world.
- Research and teaching communities now have easy access to over 1 million records of screened and sorted feed composition information available in an intuitive form.
- Entities that provided these data are freely sharing information to advance knowledge and understanding of animal nutrition.
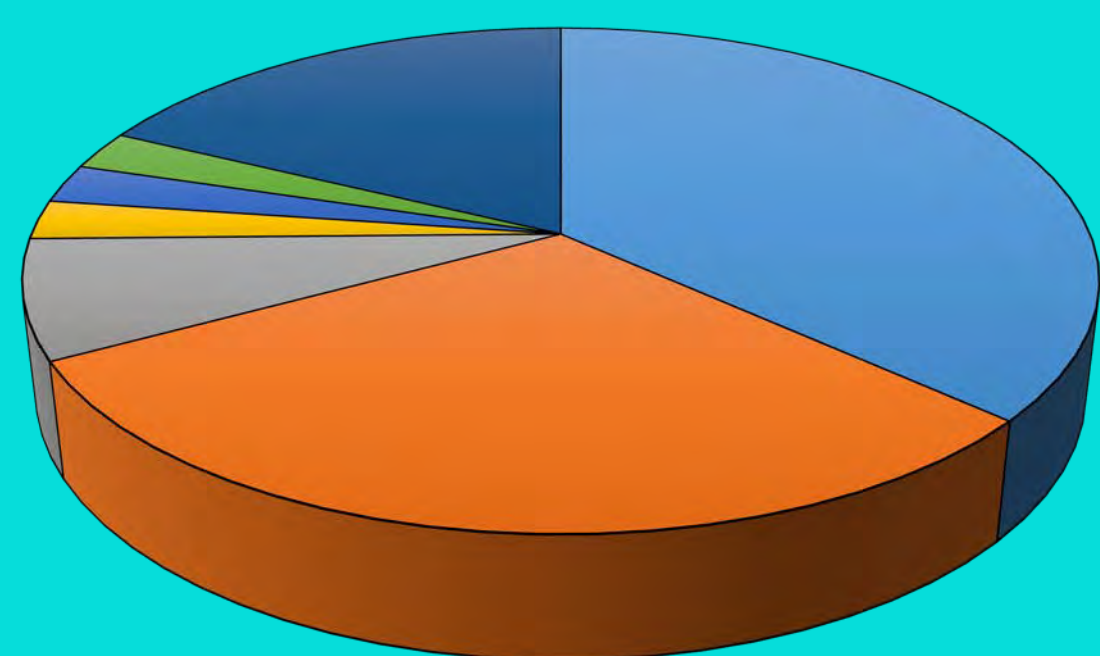
background

The NANP was established in 2010 to provide an integrated and systemic approach to sharing, collecting, assembling, synthesizing, and disseminating scientific information, educational tools, and enabling technologies on animal nutrition that will facilitate high-priority research across agricultural species.

funding

The NANP is a National Research Support Project (NRSP) supported, in part, by the Experiment Station Committee on Organization and Policy, the State Agricultural Experiment Stations, and Hatch funds provided and administered by the U.S. Department of Agriculture's National Institute of Food and Agriculture. Additional funds are provided by contracts and grants to participating scientists

global reach

User Locations

- U.S.
- Brazil
- Costa Rica
- Argentina
- Germany
- Mexico
- Other (Turkey, Iran, Egypt, South Korea, Peru)

The NANP website is visited by users from over 10 different countries. The page services 40 to 60 visitors per week. This interaction with the site represents over 400 page views each week.

Although geared toward research support, the NANP website contains valuable resources for other audiences. The Education page hosts useful materials for youth, students, and agricultural educators.

The resources page also has a substantial number of publications listed that are useful to researchers, producers and nutrition professionals alike.

The National Animal Nutrition Program

Home | Search | Committees | Partners | Calendar and Events | Resources | Education | Get Involved | Contact Us

Feed and Ingredient Information
- All
- Dairy
- Beef
- Swine
- Poultry
- Assay Information

Nutrient Requirement Models
- NRC Beef Model
- NRC Dairy Model, 2001
- NRC Swine Model
- NRC Poultry Publication
- User Feedback Form
- General Comments

Animal Performance Information
- All
- Dairy NRC 2001
- Beef
- Swine
- Poultry

where to find our updates

1. Feed ingredient databases for dairy, beef, swine, and poultry
2. Modeling and statistics resources with full citations, descriptions and resource links
3. Links to updated NRC software, NRC model descriptions and documentation
4. Feedback forum for users to provide input about the NRC models, their software and other nutrition modeling topics
5. Data relating animal performance to feed composition information for several species

check it out