Development of Consolidated Feed Composition Tables for Poultry Species

Objective
To create an up-to-date and robust nutrient composition database of feedstuffs pertinent to the poultry industry

Focus
The National Animal Nutrition Program (NANP) addresses 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:
1) development of digital systems for management of feed and ingredient information and
2) modeling support for establishment of nutrient requirements for poultry, swine, and beef and dairy cattle.

The NANP Feed Composition committee collects and organizes feed composition data, evaluates and organizes assays, and diet analysis methods, and enables discussions on feeds and feed analysis techniques.

Features
1) Nutrient composition profiles (>250 analytes) available for 400+ feedstuffs
2) Mobile-friendly database permitting customized reports and nutrient conversions
3) Ability to filter data and customize reports based on year and data source

Benefits
The 11th edition of the National Academies of Sciences, Engineering, and Medicine (NASEM) consensus report (aka, the 'Poultry NRC') is slated to be published in 2020. Data derived from the NANP literature review covering ~30,000 peer-reviewed articles (1995-2018) will serve as the basis of consolidated feed composition tables for poultry species, thereby representing a digital/web-based repository of up-to-date nutrient composition data (>2 million records) for use by poultry nutritionists.

Background
The NANP was established in 2010 as a National Research Support Program (NRSP-9) to provide an integrated approach to collecting, assembling, synthesizing, and disseminating scientific information and educational tools, and developing technologies designed to facilitate high-priority research across agricultural species.

Access all NANP resources at animalnutrition.org