

Focus

Development of Consolidated Feed Composition Tables for Poultry Species

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Objective

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

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

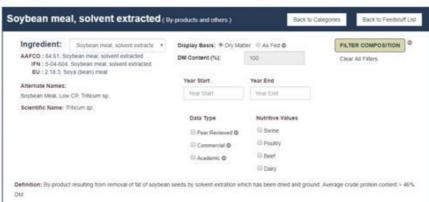
- (>250 Nutrient composition profiles analytes) available for 400+ feedstuffs
- 2) Mobile-friendly database permitting customized reports and nutrient conversions
- Ability to filter data and customize reports based on year and data source

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-do-date nutrient composition data (> 2 million records) for use by poultry nutritionists.

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.

Background



Main Constituents	Carbohydra	tes Pro	teins Lipids	Minerals	Vitamins
Main Constituents					
Nutrient		N	Mean	SD	cv
Dry Matter (DM%)		259	90.04	1.95	2.16
Crude Protein (CP%)		241	52.28	3.01	5.75
Crude Fiber (CF%)		89	4.88	1.84	37,81
Ether Extract (EE%)		182	2.20	2.00	90.66
Acid Ether Extract (AEE%)		4	3.68	0.71	19.29
Ash (%)		133	6.89	0.82	11.91
Gross Energy (GE kcal/kg)		74	4,681.70	185.98	3.97

Access all NANP resources at animalnutrition.org