Proper nutrition is the most indispensable component of animal agriculture. Without it, animals are unable to provide us with essential sources of food, fiber, work, and companionship.

We’re passionate stewards of the largest collection of animal nutrition data, resources, and tools, from feed composition analysis to predictive modeling. Our anonymized data repository is designed to bring together—and benefit—a cohesive group of academic researchers, scientists, educators, and industry professionals.

A thriving, healthier world for humans, animals, and the environment.
Feeding the world’s population requires feeding the livestock we depend on for meat, eggs, and dairy—with animal health, safety, and welfare at the forefront.

It starts with animal nutrition, which affects animal welfare, the safety and nutritional value of our food products, and the emissions and wastes livestock produce. The National Animal Nutrition Program is the authority on up-to-date, science-based information, including nutrient needs, feeding strategies, feed ingredients, and more that are critical to addressing animal nutrition challenges with accuracy, innovation, and sustainability.
Trusted data, better world.

Our comprehensive data repository for feed composition analysis and modeling is designed to support research, teaching, outreach, industry, and government use.

As an open-source, living document, it includes the most up-to-date findings for the animal science field, from academics to industry. As a comprehensive collection, it helps researchers fill current knowledge gaps. And as an electronic textbook, it provides an unparalleled educational resource for graduate students, so we can equip the next generation of animal scientists working toward a healthy, thriving world.
Here are just a few ways our go-to data repository helps researchers, scientists, producers, and industry professionals make livestock production healthier, more profitable and more sustainable.

**Animal health**
New genetic information aids the development of feeding strategies that enhance animal health. Keeping animals healthy promotes animal welfare and boosts productivity, which leads to better returns for producers.

**Human nutrition**
Our data helps produce and promote safe, nutritious animal-sourced foods that are part of a healthy diet for us.

**Sustainable production**
Our data shows new ways to use byproducts from biofuels in livestock feed, which results in new ways to make the feed and biofuels industries more economically AND environmentally friendly.

**Environmental impact**
Modified livestock diets can reduce their emissions that contribute to climate change, and certain feeds can limit the amount of manure livestock produce, minimizing its environmental impact.

**Economic benefits**
Modified livestock diets can also change the nutrient levels of manure and make it a more effective cropland fertilizer. Maintaining the quality of cropland without additional fertilizer lowers livestock operation costs.

The power of data.
More data means more accuracy. And we’re only just beginning.

The National Animal Nutrition Program is preparing the next generation of animal scientists.

Using our resources, animal science students can access the most up-to-date nutrient composition research, learn modeling techniques, and make predictions.

Once our students become our world’s producers, formulators, scientists, and legislators, they’re already ambassadors of a powerful, living tool that continues to help them strengthen human, animal, and environmental health.
Learn more about how our data helps create a thriving, healthier world for humans, animals, and the environment.

ANIMALNUTRITION.ORG

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