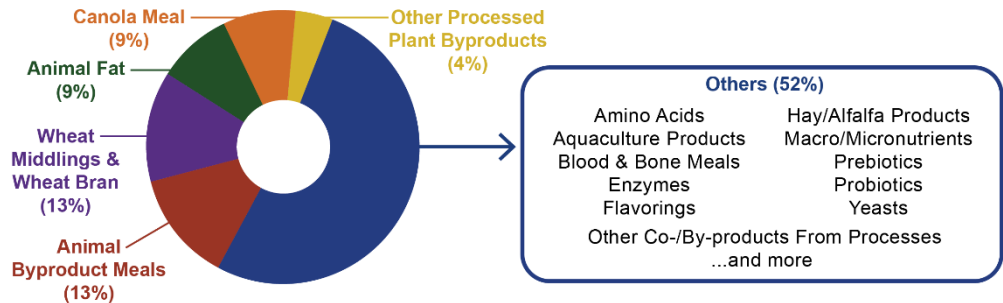


## Feed: Reducing Animal Agriculture's Environmental Footprint

The American Feed Industry Association (AFIA) envisions a healthier world through advanced animal nutrition. Working with over 650 members across all segments of the U.S. animal food industry, including suppliers of novel feed additives and other micronutrients, the AFIA is advancing the global conversation around the industry's vital role in supporting sustainable animal agriculture.

### AFIA MEMBERS COMPLETE THE ANIMAL DIET



The AFIA does have some DDGs and SBM members

## Sustainability of Feed Additives & Ingredients

The U.S. feed industry uses innovative tools and is bringing to market novel ingredients that increase farm sustainability.

### AS AN INDUSTRY WE'RE WORKING TO...



Reduce Energy Use



Improve Animal Nutrition

- **Feed Efficiency.** This is the way animals convert what they eat into nutrient-dense meat, milk and eggs. Animal nutrition, ration innovation and feeding practices optimize feed efficiency, which can result in reduced emissions and resource (e.g., land, water and energy) usage.
- **Upcycling.** Livestock, poultry and fish eat products humans consider waste. Food waste, meat and bone meal, leftovers from other industries (e.g., bakery, ethanol and oilseeds) are examples of coproducts and byproducts utilized by food-producing animals to create healthy diets.
- **Methane Reduction.** Innovative feed ingredients are being developed and added to the diets of ruminants to decrease enteric methane production.

## Taking a Global, Scientific Approach to Sustainability

On behalf of the U.S. feed industry, the AFIA engages global partners from industry, academia and government to advance climate and food security goals. **The AFIA:**

- **Collaborates** with the Institute for Feed Education and Research (IFEEDER), a 501(c)(3), to advance understanding and trust in sustainable animal food through research and education.
- **Is a member** of the International Feed Industry Federation (IFIF), which represents the global feed industry at United Nations meetings, including the UN Food Systems Summit.
- **Engages** with international partners on the Global Feed LCA Institute (GFLI), which is establishing a framework and database for calculating the life cycle assessment (LCA) for animal feeds.
- **Utilizes** public-private partnerships to evaluate potential feed management strategies within the U.S. Department of Agriculture's Natural Resources Conservation Service programs.
- **Supports** the Clarity and Leadership for Environmental Assessment and Research Center (CLEAR Center) at the University of California-Davis, which researches the environmental impact of animal agriculture.

**DID YOU KNOW?** Over 40% of U.S. feed ingredients come from other industries, meaning roughly **113.6M tons** of otherwise wasted materials, are diverted from landfills annually, avoiding approximately **61.3M metric tons of CO<sub>2</sub>** & **7.4M metric tons of CH<sub>4</sub>** emissions.

