Human Food Products Used in Feed and Pet Food
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Who is AFIA?

• **111+ yrs** representing the business, legislative & regulatory interests of U.S. animal food industry & its suppliers

• **680+** domestic & international members representing the total feed industry = 75% of all feed + 70% of all non-grain ingredients in the U.S.
Diverse Membership

- Ingredient Suppliers (34%)
- Feed & Pet Food Manufacturers (33%)
- Industry Support (18%)
- Equipment Manufacturers (6%)
- Associations (6%)
- Education (2%)
- Pharma (1%)

Percentages based on number of actual companies in 2019, not dues paid.
The animal food manufacturing industry supports U.S. agriculture & the economy.
5,715+ U.S. Feed Mills

236 million tons of safe, high-quality & nutritious feed for livestock, poultry & aquaculture, 2016

U.S. Feed Mill Distribution

FDA Licensed and FDA Non-Licensed Feed Mills
519 Pet Food Facilities

9.8M tons of dog and cat food produced, 2018-2019
Animal Food Consumption Study

Analyzed:

• Feed consumption by **9 species**
  – broilers, turkeys, layers, dairy cattle, beef cattle, hogs, sheep, horses & aquaculture

• Worked w/ **25 industry experts** to determine diets by species, region & life-stage

• Total amount of **40+ commonly used ingredients** in feed
Top 5 Ingredients in Livestock, Poultry & Aquaculture Feed in 2016

- **CORN**: 118.8M TONS
- **SOYBEAN MEAL**: 30.1M TONS
- **DDGS**: 29.8M TONS
- **WHEAT PRODUCTS**: 4M TONS
- **ANIMAL PROTEINS**: 1.3M TONS
Total Diet Composition for Top Livestock, Poultry & Aquaculture Feed in 2016

- **CORN**: 50.3%
- **SOYBEAN MEAL**: 12.7%
- **DDGs**: 12.6%
- **WET DISTILLER’S GRAINS**: 8.5%
- **OTHER**: 3.1%
- **OATS**: 1%
- **SOYBEAN HULLS**: 1.2%
- **GRAIN SORGHUM**: 1.5%
- **WHEAT MIDDLS**: 1.6%
- **COTTONSEED MEAL**: 1.7%
- **CORN GLUTEN FEED**: 1.7%
- **BAKERY MEAL**: 4.2%
Pet Food: Diverse Ingredients Provide Complete Nutrition

- Farm & Mill-based Ingredients: 4M TONS ($1.4B)
- Meat & Poultry Products: 1.83M TONS ($3.21B)
- Rendered Protein Meals: 1.5M TONS ($563M)
- Animal & Poultry Fats: 289K TONS ($153M)
- Fishery Ingredients: 199K TONS ($893M)
- Broth Ingredients: 167K TONS ($834M)
- Minerals & Others: 3,700 TONS ($12.5M)
1. Diverse Ingredients Provide Complete Nutrition

**Major Relevant Food Ingredients on Labels for Cats**

- Chicken
- Meat By-products
- Flaxseed
- Corn gluten meal
- Soybean meal
- Dried milk
- Tapioca starch
- Whole wheat
- Salmon
- Sweet potatoes
- Brown rice
- Barley
- Oat meal
- Soybean hulls
- Dehydrated alfalfa meal
- Menhaden fish meal
- Dried egg product
- Animal digest
- Tuna
- Ocean whitefish
- Brewer's rice
- Water sufficient for processing
- Dehydrated kelp
- Poultry by-product meal
- Dried whey
- Fish meal
- Beef fat
- Chicken fat
- Liver

**Major Relevant Food Ingredients on Labels for Dogs**

- Chicken
- Chicken fat
- Flaxseed
- Carrots
- Peas
- Corn gluten meal
- Oat meal
- Soybean meal
- Dairy by-products
- Corn starch
- Brewer's rice
- Oatmeal
- Dried egg product
- Meat by-products
- Fish meal
- Dried whole eggs
- Beef
- Liver
- Tuna
- Ocean whitefish
- Whole wheat
- Brown rice
- Rice bran
- salmon
- Dried blueberries
- Cranberries
- Dried carrots
- Tomato pomace
- Menhaden fish meal
- Flaxseed meal
- Lentils
- Canned pumpkin
- Tomato concentrate
- Barley grass
- Dried kelp
- Bone meal
- Spinach
- Parsley
- Barley
- Flax Seed Oil
- Menhaden meal
- Dried alfalfa meal
FSMA Requirements

- Human food facility
  - Must meet human food regulations 21 CFR 117
  - Must not further process the animal food ingredient
- If yes = limited requirements
  - Held to prevent contamination (proper containers)
  - Properly labeled
- GFI #239 Human Food By-Products for use as Animal Food
AAFCO Definitions

• 40. Human Food By-Products
  o NOTE: All ingredients must be feed grade. Firms should perform a safety assessment of materials that may be included in the offered feed ingredient, at the maximum use level (including cocoa products and non-nutritive sweeteners), to determine safety for the intended animal species and the safety of milk, meat, or eggs from animals consuming the ingredient. The safety assessment should be archived in the firm’s files and provided to state or federal regulators upon request.

• 60. Miscellaneous Products
AAFCO Feed Terms – final approval coming

- Common or usual name
- Common food
  - Common foods are commercially available and suitable for use in animal food but are not defined by AAFCO, including but not limited to certain whole seeds, vegetables, or fruits. Common food for animals may include common human foods that are known to be safe for the intended use in animal food. Manufacturers are responsible for determining if a common food is safe and has utility for its intended use prior to commercial distribution as animal food.
COVID-19 Lessons – All Connected

Farmer: Food is a national security issue, coronavirus breaking supply chain

It's time to talk more seriously about the food supply

Analysis by Zachary B. Wolf, CNN
Updated 1:37 PM ET, Tue April 14, 2020
THANK YOU

AFIA’S

4 PROMISES

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