



**AAFCO**  
Association of American Feed Control Officials

**Business Meeting Minutes**  
2024 AAFCO Midyear Meeting  
Chattanooga Convention Center – Chattanooga, TN  
Tuesday, January 23, 2024  
8:30 am–9:45 am (ET)

1. **Meeting Called to Order 8:44 ET**
2. **Welcome & Opening Remarks:** Josh Arbaugh, President
3. **Acknowledgement of Awards:** Josh Arbaugh, President
  - Distinguished Service Award
    - Ken Bowers – For his leadership and dedication to AAFCO throughout his career.
  - Presidential
    - Jan Campbell – For her dedicated work in furthering the association.
    - George Ferguson – For his dedicated work in providing technical expertise in furthering the association.
    - Dani Naylor – For her dedicated work in furthering the association.
  - Appreciation Awards
    - AV Workgroup: Sally Flowers, Bailey Whiten, Josh Arbaugh, Mark LeBlanc, Patricia Dunn, Brenda Snodgrass
4. **Roll Call** – Ashlee-Rose Ferguson, Secretary – Treasurer
5. **Acceptance of Committee Reports From:** Finance, Current Issues and Outreach, Education and Training, Feed and Feed Ingredient Manufacturing, Ingredient Definition, Inspection and Sampling, Laboratory Methods and Services, Proficiency Testing Program, Strategic Affairs, Feed Labeling, Pet Food Committee, Model Bill & Regulations, Enforcement Issues, Technology, and Ingredient Definition Committee E-Meeting (October 23, 2023) – Josh Arbaugh, President & Laura Scott, President-Elect

(All open committee reports are published on the AAFCO website on the 2024 Midyear Meeting page, right side, under the heading “Committee Reports.”)

**Board recommends acceptance. Laura Scott moves to accept committee reports. George Ferguson Seconds. Motion Carries.**

6. **Acceptance of Committee Recommendations:** Josh Arbaugh, President & Laura Scott, President-Elect

- a. **Ingredient Definition Committee Recommendations:**

- IDC recommends changing T42.25 Grain Sorghum Protein Feed to OFFICIAL.

**42.25 Grain Sorghum Gluten Feed (Grain Sorghum Protein Feed)** is that part of the grain of grain sorghums that remains after the extraction of the larger part of the starch and germ, by the processes employed in the wet milling manufacture of starch or syrup. Originally called Grain Sorghum Gluten Feed (adopted 1948, amended 1950). \*Gluten name will be removed in 2025

**Board Recommends Acceptance. Laura Scott moves, Ben Jones Seconds, Motion Carries.**

- IDC recommends changing T42.35 Grain Sorghum Protein Meal to OFFICIAL

**42.35 Grain Sorghum Gluten Meal (Grain Sorghum Protein Meal)** is the part of the grain of grain sorghums that remains after the extraction of the larger part of the starch and germ, and the separation of the bran by the processes employed in the wet milling manufacture of starch or syrup Originally called Grain Sorghum Gluten Meal (adopted 1948, amended 1950). \*Gluten name will be removed in 2025

**Board Recommends Acceptance. Laura Scott moves, George Ferguson Seconds, Motion Carries.**

- IDC recommends changing T48.135 Corn Protein Feed to OFFICIAL

**48.135 Corn Gluten Feed (Corn Protein Feed)** is that part of the commercial shelled corn that remains after the extraction of the larger portion of the starch, protein, and germ by the processes employed in the wet milling manufacture of corn starch or syrup. It may or may not contain one or more of the following: fermented corn extractives, corn germ meal. Originally called Corn Gluten Feed (adopted 1936, amended 1960). \*Gluten name will be removed in 2025

**Board Recommends Acceptance. Laura Scott moves, Trish Dunn Seconds, Motion Carries.**

- IDC recommends changing T48.145 Corn Protein Meal to OFFICIAL

**T48.145 Corn Gluten Meal (Corn Protein Meal)** is the dried residue from corn after the removal of the larger part of the starch and germ, and the separation of the bran by the process employed in the wet milling manufacture of corn starch or syrup, or by enzymatic treatment of the endosperm. It may contain fermented corn extractives and/or corn germ meal. Originally called corn gluten meal (adopted 1936, amended 1960). \*Gluten name will be removed in 2025

**Board Recommends Acceptance. Laura Scott moves, Trish Dunn Seconds, Motion Carries.**

- IDC recommends changing T73.200 Xanthum Gum to OFFICIAL

**73.200 Xanthan Gum** as per 21 CFR 573.1010 is classified as a food additive as a stabilizer, emulsifier, thickener, suspending agent, or bodying agent in calf milk replacer and liquid feed supplements. Also per informal review processes, it can be used in canned dog and cat foods **and as a suspending agent in plant inoculant products.**

Maximum inclusion levels are 0.1% in calf milk replacers (as fed), and 0.25% in liquid feed supplements and canned dog and cat foods, **and 2% in plant inoculant products.** (Proposed 2013, Adopted 2015 rev. 1)

**Board Recommends Acceptance. Laura Scott moves, Ben Jones Seconds, Motion Carries.**

- IDC recommends adding AGRN-60 Dried Fermentation Biomass to the GRAS Table 101.1

AGRN (select for detailed record)	Notifier	Substance	Common or Usual Name	Intended Use	Intended Species	Date of Filing	FDA's Letter (select to view letter)
<a href="#">60</a> (PDF - 305 pages)	Calysta, Inc.	Dried <i>Methylococcus capsulatus</i> product	Dried Fermentation Biomass	To be used as a source of protein in food for salmonid species at a level up to 18% of the diet.	Salmonid species	6/2/22	<a href="#">FDA has no questions.</a> (PDF - 3 pages)

**Board Recommends Acceptance. Laura Scott moves, Jamie Good Seconds, Motion Carries.**

- IDC recommends adding AGRN-59 Porcine Oligosaccharides peptide complex to the GRAS Table 101.1

AGRN (select for detailed record)	Notifier	Substance	Common or Usual Name	Intended Use	Intended Species	Date of Filing	FDA's Letter (select to view letter)
<a href="#">59</a> (PDF - 779 pages)	Gnubiotics Sciences SA	Porcine oligosaccharides-peptides complex	Porcine oligosaccharides-peptides complex	To be used as a source of amino acids, peptides and glycopeptides in food for cats and dogs at a level not to exceed 1.5% by weight/complete feed	Cats and dogs	5/11/22	<a href="#">FDA has no questions.</a> (PDF - 3 pages)

**Board Recommends Acceptance. Laura Scott moves, George Ferguson Seconds, Motion Carries.**

- IDC recommends adding a new Tentative Definition T60.117 Dried Black Soldier Fly Larvae

**T60.117(A) Black Soldier Fly Larvae** is the dried larvae of the Black Soldier Fly, *Hermetia illucens*, with or without mechanical extraction of part of the oil, that has been raised on feedstock composed exclusively of feed grade materials. The ingredient must be labeled for guarantees for minimum crude protein and minimum crude fat on an as-fed basis. If oil is mechanically extracted, maximum crude fat must also be guaranteed on the ingredient label. The ingredient is dried by artificial means to no more than 10% moisture. It is for use in ~~salmonid~~ **finfish**, poultry, and swine feed and in adult dog food as a source of protein and fat consistent with good feeding practices. (Proposed 2022, Amended 2023)

**Board Recommends Acceptance. Laura Scott moves, Bailey Whiten Seconds, Motion Carries.**

- IDC recommends adding a new Tentative Definition T60.120 Dried Chicory Root Pulp

**T60.120 Dried Chicory Root Pulp** is the dried pulp produced as a byproduct of inulin extraction from the root of *Cichorium intybus* L., intended as a source of fiber. It shall contain no more than 10% inulin, no less than 60% total dietary fiber, and no more than 13% moisture.

**Board Recommends Acceptance. Laura Scott moves, Bailey Whiten Seconds, Motion Carries.**

- IDC recommends adding a new Tentative Definition T60.121 Dried Mealworm Meal

**T60.121 Dried Mealworm Meal** is obtained from the dried larvae of the yellow mealworm beetle (*Tenebrio molitor*) which has been raised on a feedstock composed exclusively of feed grade materials and from which part of the oil has been extracted using a mechanical process. The ingredient must be labeled with guarantees for minimum crude protein, and minimum and maximum crude fat. The ingredient is artificially dried to no more than 8% moisture. It is for use in adult dog food as a source of protein at a level not to exceed 30% on an as-fed basis.

**Board Recommends Acceptance. Laura Scott moves, Jamie Good Seconds, Motion Carries.**

- IDC recommends adding a new Tentative Definition T40.100(A) Recovered Retail Food

**T40.100(A) Recovered Retail Food** is composed of edible human food products safe and suitable for livestock feed and poultry feed that are collected from retail food establishments, domestic holding facilities, and domestic packing facilities. Permitted recovered retail foods are products from overstocks, lacking consumer acceptance, or beyond their sell-by date that include items such as bruised, cut, or overly ripe product (fruit and vegetables), bakery goods, eggs, and dairy products. It shall be safe and appropriately labeled for its intended use in accordance with good feeding practices and shall be free of material harmful to animals. Materials excluded from this definition include pet foods and products containing beef, lamb, pork, poultry, fish, or shellfish. It must not contain packaging materials (e.g. plastics, glass, metal, string, ~~Styrofoam~~, polystyrene, cardboard, and similar materials), flowers, potted plants, or potting soil. The recovered foods shall be collected and intermixed in secure holding containers to exclude unauthorized addition of trash, materials harmful to animals, or infestation and adulteration by pests. Egg and dairy products (and other products ordinarily held at refrigerator temperatures) must be kept in cold storage until the scheduled pick-up. To minimize spoilage, the recovered retail food shall be collected at least weekly, or more frequently if necessary. The establishment should have a sanitation plan in place, and the containers should be cleaned and sanitized as necessary. The collected material may be further processed or delivered as is to an animal feeding facility. The product must be handled to preserve its safety and nutritional value. (Proposed 2017, Adopted 2019)

*\*Double underlines and strike throughs represent changes.*

**Board Recommends Acceptance. Laura Scott moves, David Husner Seconds, Motion Carries.**

- IDC recommends adding a new Tentative Definition T33.29(B) Black Soldier Fly Larvae Oil

**T33.29(B) Black Soldier Fly Larvae Oil** is the product obtained by mechanically extracting the oil from dried larvae of Black Soldier Fly, *Hermetia illucens*, that have been raised on a feedstock composed exclusively of feed grade materials. It is intended for use in swine and finfish feed, and adult dog and adult cat food as a source of energy consistent with good feeding practices. It consists predominantly of glyceride esters of fatty acids and contains no additions of free fatty acids or other materials obtained

from fats. It must contain, and be guaranteed for, not less than 90% total fatty acids, not more than 2% unsaponifiable matter and not more than 1% insoluble impurities. Maximum free fatty acids and moisture must also be guaranteed. If an antioxidant(s) is used, the common name or names must be indicated, followed by the words “used as a preservative.” (Proposed 2022, Adopted 2022)

*\*Double underlines represent changes.*

**Board Recommends Acceptance. Laura Scott moves, George Ferguson Seconds, Motion Carries.**

- IDC recommends a nomenclature Change 36.14 Direct-Fed Microorganism, add *Weissella confusa*

**36.14 *Weissella confusa*** Section 36.14 will be edited to include *Weissella confusa*.

One of the strains thought to have belonged to the *Lactobacillus acidophilus* genus species has been determined to actually belong to *Weissella confusa*. This results in adding *W. confusa* to 36.14. Both *Lactobacillus acidophilus* and *Weissella confusa* will be included in the 36.14, and **no microorganism will be removed from 36.14.**

**Board Recommends Acceptance. Laura Scott moves, Jamie Good Seconds, Motion Carries.**

- IDC recommends publishing a tentative definition T71.41 LG HEAR Meal to OFFICIAL status as 71.41.

**71.41 Low Glucosinolate High Erucic Acid Rapeseed Meal, Mechanically**

**Extracted,\*\*** is the meal obtained after the removal of most of the oil by mechanical extraction of whole seeds obtained from the genus *Brassica* [*Brassica napus*, *Brassica rapa*, or *Brassica juncea*] from which the oil shall contain more than 2% erucic acid and the solid component shall contain less than 30 micromoles of any one or any mixture of 3-butenyl glucosinolate, 4-pentenyl glucosinolate, 2-hydroxy-3-butenyl glucosinolate, 2-hydroxy-4-pentenyl glucosinolate, and allyl glucosinolate per gram of air dry, oil free solid. When produced from *Brassica juncea* it must also contain less than 5 micromoles of allyl glucosinolates per gram of air dry, oil free solid. It must contain a maximum of 6% erucic acid, a maximum of 12% crude fiber, and a maximum of 30 micromoles of glucosinolates per gram. It is used in the diets of animals as a source of protein, not to exceed a 5% inclusion rate.

**Board Recommends Acceptance. Laura Scott moves, Falina Hutchinson Seconds, Motion Carries.**

- IDC recommends publishing tentative definition T36.11a Dried \_\_\_\_\_ Fermentation Products to OFFICIAL status, replacing the current official definition 36.11.

**T36.11a Dried \_\_\_\_\_ Fermentation Product** is the product derived by culturing \_\_\_\_\_ on appropriate nutrient media for the production of one or more of the following: enzymes, fermentation substances, or other microbial metabolites, and dried in accordance with approved methods and good manufacturing practices. Protein, amino acids, fat, fiber, cell count, enzyme activity or nutrient metabolite level shall be guaranteed where applicable. Use of *Lactobacillus buchneri*, *Lactobacillus diolivorans*, and *Lentilactobacillus hilgardii* is limited to silage and high moisture corn grain in plant inoculant products. [For label identification the source must be indicated such as *Bacillus subtilis*, *Aspergillus oryzae*, *Aspergillus niger*, *Lactobacillus acidophilus*, *Lactobacillus buchneri*, *Lactobacillus diolivorans*, *Lentilactobacillus hilgardii*, *Lactobacillus delbrueckii* or *Enterococcus faecium*, or as permitted by FDA.] (Proposed 1976, Adopted 1983, Amended 1997, Amended 1999, Amended 2001, Adopted 2003, Amended 2010, Adopted 2014 rev.1, Amended 2022)

**Board Recommends Acceptance. Laura Scott moves, Ben Jones Seconds, Motion Carries.**

- IDC recommends publishing a new TENTATIVE definition T51.17 Clam Meal

**T51.17 Clam Meal** is the undecomposed, dried byproducts from shucking and processing operations of *Spisula solidissima* and/or *Arctica islandica*. The ingredient is derived from all or part of the meat, liquid and viscera of the clam. It must contain not less than 60% crude protein and not more than 12% moisture. It is for use in non-salmonid finfish feed as a source of protein consistent with good feeding practices

**Board Recommends Acceptance. Laura Scott moves, George Ferguson Seconds, Motion Carries.**

- IDC recommends publishing a new TENTATIVE definition T60.119 Dried Crickets

**T60.119 Dried Crickets** are nymph through adult stage crickets, *Acheta domesticus*, manufactured either by roasting or wet milling. Crickets are raised on feedstock composed exclusively of feed grade materials. Post-harvest processing of crickets shall incorporate a microbial kill step. The ingredient must be labelled with guarantees for minimum crude protein and minimum crude fat on an as-fed basis. The ingredient is dried to no more than 6% moisture. The ingredient must contain no more than 7.5% chitin.<sup>1</sup> It is for use in adult dog food as a source of protein and fat consistent with good feeding practices.

1 Narguess H. Marei, Emthithal Abd El-Samie, Taher Salah, Gamal R. Saad, Ahmed H.M. Elwahy, Isolation and characterization of chitosan from different local insects in Egypt, International Journal of Biological Macromolecules, Volume 82, 2016, Pages 871-877, ISSN 0141-8130, <https://doi.org/10.1016/j.ijbiomac.2015.10.024>.

**Board Recommends Acceptance. Laura Scott moves, Wayne Pendleton Seconds, Motion Carries.**

- IDC recommends publishing a new TENTATIVE definition T40.113 Dried Recovered Household Food.

**T40.113 Dried Recovered Household Food** is composed of only non-spoiled materials originally intended for or derived from food for human consumption and collected from households. Materials are dried daily in the home to 12% or less moisture to enable safe storage and transport. These materials must be safe and suitable for use in animal food. The materials shall be collected, evaluated, and further processed by the manufacturer to confirm that only acceptable materials have been added by households. To help ensure safety, a manufacturer of Dried Recovered Household Food must maintain a relationship with participating households to support training and accountability regarding acceptable material. Dried Recovered Household Food is intended for use in poultry diets in accordance with good feeding practices. The guaranteed analysis shall include the maximum moisture which shall be no more than 12%.

**Board Recommends Acceptance. Laura Scott moves, George Ferguson Seconds, Motion Carries.**

- IDC recommends adding AGRN 55 Phytase to the GRAS Table 101.1.

AGRN (select for detailed record)	Notifier	Substance	Common or Usual Name	Intended Use	Intended Species	Date of Filing	FDA's Letter (select to view letter)

55	BASF Enzymes LLC	Phytase enzyme produced by Pseudomonas fluorescens strain BD50104 expressing an altered appA 6- phytase gene from Escherichia coli strain K12	phytase	To increase the availability of phytin-bound phosphorus in poultry diets at 500-2,000 U/kg in complete feed	Poultry	1/20/22	<a href="#">FDA has no questions.</a> (PDF - 4 pages)
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**Board Recommends Acceptance. Laura Scott moves, Ben Jones Seconds, Motion Carries.**

- IDC Recommends new GRAS Table 101.1 addition AGRN 45 Succinivibrio dextrinosolvens

AGRN (select for detailed record)	Notifier	Substance	Common or Usual Name	Intended Use	Intended Species	Date of Filing	FDA's Letter (select to view letter)
<a href="#">45</a> (PDF - 821 pages)	Native Microbials, Inc.	Dried fat encapsulated Succinivibrio dextrinosolvens strain ASCUSBF53 (NRRL B- 67550)	Dried Succinivibrio dextrinosolvens Fermentation Product	To be used as a viable microorganism in diets of beef cattle at an intended use rate of 1x10 <sup>8</sup> colony forming units (CFU)/head/day.	Beef Cattle	3/16/21	<a href="#">FDA has no questions.</a> (PDF - 3 pages)

**Board Recommends Acceptance. Laura Scott moves, George Ferguson Seconds, Motion Carries.**

- IDC recommends revising Table 101.1 Section Header in the OP by inserting the following language at the end of the current section language: "AGRN's may be presented to the IDC for inclusion in section 101 at the next scheduled IDC meeting after FDA has posted their no questions letter, without regard for the redacted notice."

**Board Recommends Acceptance. Laura Scott moves, George Ferguson Seconds, Motion Carries.**

**b. Feed Labeling Recommendation:**

- Feed Labeling Committee recommends updating the label for "Your Pasture Horse Mineral". This should be inserted between pages 248 and 249 of the 2023 OP. This same label should replace the label on Page 31 of the 2020 feed labeling guide of the stand-alone document

Feed Labeling Guide

1

Equine Mineral Supplement Feeds

YOUR PASTURE HORSE MINERAL

For maintenance of mature horses

Guaranteed Analysis

Calcium (min) .....12.0%

Calcium (max) .....	14.0%
Phosphorus (min).....	12.0%
Salt (min) .....	4.5%
Salt (max) .....	5.5%
Sodium (min).....	1.7%
Sodium (max) .....	2.2%
Copper (min).....	860 ppm
Selenium (min) .....	0.20 ppm
Zinc (min) .....	3,400 ppm
Vitamin A (min) .....	80,000 IU/lb.

Ingredient Statement

Calcium Carbonate, Dicalcium Phosphate, Salt, Copper Sulfate, Manganous Oxide, Molasses Products, Zinc Oxide, Ferrous Sulfate, Cobalt Carbonate, Calcium Iodate, Vitamin A Supplement, Processed Grain By-Products, Choline Chloride, Animal Fat, Ethoxyquin (a preservative), Sodium Selenite.

Feeding Directions:

Feed free-choice at an approximate rate of 2 oz/head/day. Provide fresh, clean water.

Manufactured By:  
YOUR NAME FEEDS  
City, State Zip

NET Wt.: 50 lb. (22.67 kg)

**Board Recommends Acceptance. Laura Scott moves, Jamie Good Seconds, Motion Carries.**

**c. Model Bill and Regulations Recommendations:**

- MBRC states that given that registration and labeling of silage additives is covered on page 113 of the 2022 OP under the definition of commercial feed in Section 3(b) of the Model Bill, SUIP #5 Registration and Labeling of Silage Additive Products should be deleted.

**Board Recommends Acceptance. Laura Scott moves, Dan King Seconds, Motion Carries.**

- MBRC recommends revise Section 3(b) of the Model Bill as follows for clarity –  
Section 3(b) The term “commercial feed” means all materials or combination of materials which are distributed or intended for distribution for use as feed or for mixing in feed, unless such materials are specifically exempted.
  - Unmixed whole seeds and physically altered entire unmixed seeds, when such whole or physically altered seeds are not chemically changed or are not adulterated within the meaning of Section 7(a) of this Act, are exempt.
  - The \_\_\_\_\_ by rule may exempt from this definition, or from specific provisions of this Act, commodities such as hay, straw, stover, silage, cobs, husks, hulls, and individual chemical compounds or substances when such commodities, compounds or substances are not inter-mixed with other materials, and are not adulterated within the meaning of Section 7(a) of this Act.

*\*The bullets are the points of clarity, otherwise nothing new has been added.*

**Board Recommends Acceptance. Laura Scott moves, George Ferguson Seconds, Motion**



**Carries.**

**d. *Feed and Feed Ingredient Manufacturing***

- FFIM recommends updating Chapter 5, pg.258 – 263 of the 2023 AAFCO OP where all references to the VSIP were removed. Appendix A.

**Board Recommends Acceptance. Laura Scott moves, Charles Hubenka Seconds, Motion Carries.**

**This concludes committee and board recommendations needing membership approval.**

**7. Credential Report: FASS**

Number of voting states represented: 44

Number of members present: 135

Number of countries: 7

Number of FDA representatives: 45

Number of life members: 7

Total meeting attendance: 462

In-Person: 382

Zoom: 80

**8. Meeting Concluded at 9:10 ET.**