



Proficiency Testing Program Committee Report/Minutes

2018 AAFCO Mid-Year Meeting
 July 30 2018, 1:30 – 5:30 PM
 Fort Lauderdale Marriot Harbor Beach

Committee Recommendations

Committee recommendation summary or list.

- (1) Change Mycotoxin Contaminants Scheme calculation for fit-for-purpose (ffp) sigma (σ) from the Thompson Modified Horwitz sigma to the AAFCO Mycotoxin Contaminants sigma, as noted in the Mycotoxin FFP Sigma Review presentation
- (2) Revise the 2019 AAFCO Official Publication (OP) Explanation (origin, purpose & use) of analytical variations.
- (3) Correct the Analytical Variance Tables in the AAFCO OP to remove errors in the table that have been introduced since 2012.
- (4) Work with AAFCO Model Bill/Labels Committee (and other committees identified by the Board) for eventual deletion of the AAFCO Analytical Variance Tables from the OP.
- (5) Write white paper on Analytical Variations Table to inform the Board of Directors and general membership of the need to remove analytical variations from the OP. (AAFCO PT Program AV White Paper)

Board Recommendations

Board recommendation summary or list.

- (1) Remove Analytical Variation Tables at a future date, contingent on the release of the AAFCO PT Program AV White Paper, and subject to Board approval and a majority vote of the AAFCO General Membership.

Association Actions

Association action summary or list.

- (1) Revised Analytical Variation Explanation and Tables submitted to FASS publishers for inclusion in the 2019 AAFCO Official Publication. Completed final review of 2019 OP Section

Committee Participants

Members Present

FIRST	LAST	Affiliation	EMAIL	Role
Brenda	Snodgrass	AAFCO PTP/OK Dept of Ag	pt@aafco.org	Chair – PM
Louise	Ogden	AAFCO PTP	pt@aafco.org	Vice Chair – QM
Nancy	Thiex	AAFCO PTP	nancy.thiex@gmail.com	Manager



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George	Ferguson	NC Dept. of Ag	-	Board Liaison, new
Teresa	Grant	NC Dept. of Ag/APHL Advisor	teresa.grant@ncagr.gov	Member
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Aaron	Price	CFIA	aaron.price@canada.ca	Member, new
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Committee Report

Committee Activities

ACTION:

Sub-Committee Activities

ACTION:

Committee Minutes

- 1) Call to Order
- 2) Review and Approval of Agenda
 - a) Approved with modifications
- 3) Introductions and Sign-up Sheet
- 4) Program Leadership and Administrative Update**
 - a) Financial update**

- i) Financial Reports provided by FASS Executive Assistant, Jennifer Roland
 - i. The FY 2018 Program Year financials were presented by B. Snodgrass. Attendees commented that the net operating expense was lower than in FY 2017, and lower than budgeted.
 - (a) This is the first year that the PT Program had no funding from the 5-year FDA Cooperative Agreement, thus all expenses were paid directly from Program income.
 - (b) Increased expenses were noted in the payment of shipping costs versus budgeted shipping costs, and for FY 2018 when compared to FY 2017. This was an anticipated increase and participants pay shipping with their paid subscriptions. The shipping expense not accounted for in the budget increased for replacement of lost & damaged items mailed domestically without a billable courier account increased.
 - (c) The total Program costs were ~20% above the budget, but when shipping costs are excluded Program costs were ~10% above budget.

b) Accreditation update

- i) Two-year cycle coming up in January, 2019. Preparing for 2 year audit and then program will be in the two year cycle.

c) Continuity of Operations



- i) Program manager noted this plan is pending and needs to remain on the agenda for contingency of the program operations in case of personnel changes or extended absences from duties. Also, the Program is in a better position than it was three (3) years ago (FY2015) because policies and procedures have been documented for ISO 17043 accreditation.

5) Program Updates

a) **Program Participation Reports** – Presentation: *PT Program 2017-18 Participation*

- i) Animal Feed Scheme – around 200 active participants, homogeneity screen – all with-in the Z-cut.
- ii) Pet Food Scheme – between 50 to 60 participants reporting, homogeneity screen – all with-in the Z-cut.
- iii) Minerals Scheme – Over 30 participants reporting
- iv) Mycotoxin Scheme – 40 to 50 participants

b) **Stability testing** – Need to interpret Nancy’s notes and Patty’s

Presentation: *Stability by Duplicate Samples*

- i) One feed was analyzed in a 4 month interval and one feed analyzed back to back. The 4 to 6 week window was the best for stability especially for analytes such as Vitamin A.
- ii) 201724 / 201728- 22 of 58 analytes flagged as unstable. For 12 of the 22 analytes, the difference was not detectable by Student’s T-Test.
- iii) 201822 / 201823 (Feb. & March of this year) - 5 of 54 analytes flagged as unstable. For 4 of the 5, the difference was not detectable by Student’s T-Test. Other 49 of 54 analytes are stable.
- iv) Conclusion: We are sufficiently stable for PT. Labs are advised to refrigerate samples in sealed containers (or dry jar) upon receipt.

6) Improvements

a) **Website homepage:** A new banner “Contact Us” was added with the PT Program email.

b) **Data Reporting Website & Data Reporting Website Manual:**

- i) Labs can now report Less Than (<) LOQ for all schemes. The Save button has been eliminated.
- ii) The Submit button performs the same function. Labs can change values up to the reporting deadline.
- iii) On the Lab Admin Tab: Shipping address and recipient can be modified but to add a new lab contact, the lab must go to the FASS Dashboard. A link has been added.
- iv) The DRW Manual has been updated.



- c) **Participant Guidebook:** The guidebook has been updated. Many questions received by participants indicate that the guidebook is not being read. We send them the link and let them know the information is available in the manual.

7) **Scheme Reports**

- a) **Animal Feed – Veterinary Drugs – PRESENTATION:** *AAFCO PT Drug*

Lab Methods and Services Committee (K. McCallum and S. Webb) did a survey on 2017 on drugs analyzed by labs. In the survey, 41 drugs were checked by respondents, 23 labs indicated that they run or are interested in adding certain drugs. As a follow up we reviewed what is actually reported to PTP.

It has become increasingly difficult to obtain drugs in animal feeds. Our suggestion is to focus on the top 7 to 8 drugs.

Pesticides: Of the attendees at the meeting, only 4 private labs and CFIA routinely run pesticides in feed. States only run for complaints.

- b) **Pet Food – PRESENTATION:** *AAFCO Pet Food PT Survey*

Review of Pet Food Survey from March 2018 and group discussion of comments submitted.

- c) **Mycotoxin – PRESENTATION:** *Mycotoxin Fit for Purpose Review*

As of July 1, 2018 the scheme uses the modified (Thompson) Horwitz Sigma rather than a consensus robust standard deviation.

A PT study mycotoxin report from BIPEA was compared to the original Horwitz Sigma and the modified Horwitz Sigma. All were slightly different, and none fit the AAFCO data well.

All animal feed data from the AAFCO PT Program over a 5 year period (6800 points) were plotted and only 6% of the data points exceeded 20% relative standard deviation. This shows that the Modified (Thompson) Horwitz equation works very well for the lower concentrations.

A log-log data plot of mycotoxin concentration vs. relative standard deviation is fairly linear so an equation similar to the Thompson modified Horwitz equation can be calculated. This equation is proposed for a new fit-for-purpose (ffp) sigma for the AAFCO Mycotoxin Contaminant scheme. The resulting % of compliant, warning and action levels for existing rounds closely aligns with traditional statistical dispersion about a normal data distribution.

Motion to accept change to the AAFCO Mycotoxin Contaminants Modified (Crawford) ffp sigma by A. Price: Seconded by S. Webb/M. Koestner. Motion carried unanimously. Statistical evaluation will continue to review the appropriate statistical metrics and report any problems or changes back to program managers. This information will be reported back to committee members & advisors as appropriate.

- d) **Minerals –** A survey will be sent to participants in Winter (2018)/Spring (2019)

8) **Official Publication Analytical Variances Roundtable**



- a) Errors were found in the Table of Analytical Variation. These errors were made when the AAFCO Official Publication (OP) in ~ 2012 and are incorrect in every online version of the OP. These have been corrected and submitted for the 2019 OP (print & online).
- b) Brenda presented proposed language for 2019. Discussion & consensus to move forward. This change must go to the AAFCO Board of Directors for consideration, and eventual vote by AAFCO general membership. The AVs have long been used by the regulatory program officials, including those written into some states' laws, and by industry to estimate allowable variations on labels during manufacturing process.
- c) Motion to accept OP revisions by S. Webb, seconded by T. Ha. Motion carried unanimously.
- d) Working group to write white paper, propose replacement for AVs. M. Koestner, K. Riter, A. Huyghues-Despointes, L. Reimann, B. Snodgrass, L. Ogden, N. Thieux, and others TBD.

9) Adjournment

Action Item Table

Responsible Party	Item	Action	Timing / Status
PT Program Managers	Change to the Mycotoxin Contaminants scheme fit-for-purpose sigma	Notify PT participants about change via the 201863 Report Authorization Letter/ Revise PT Program Statistical Analysis SOP	August 2018/ October 2018
B. Snodgrass	Analytical Variation Explanation and Tables	Revise Analytical Variation Explanation and correct formatting and typographical errors to the Tables	October 2019
L. Ogden & B. Snodgrass	Gather customer feedback for Minerals Program participants	Write & send customer survey to all Minerals Scheme PT Participants	Between November 2018 and May 2019
B. Snodgrass & AV Work Group	AAFCO PT Program AV White Paper	Work with PT Program Work Group Volunteers and related AAFCO committees to draft & finalize a white paper on Analytical Variances of the OP.	January 2019

Meeting Attendees

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Shaun	Anderson	Alltech, Ridley USA	shaun.anderson@ridleyinc.com
Josh	Arbaugh	WV Dept. of Ag	jarbaugh@wvda.us



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PRESENTATIONS:

- *Stability By Duplicate Samples*
- *AAFCO PT Drug*
- *AAFCO Pet Food PT Survey*
- *Mycotoxin Fit for Purpose Review*
- *PT Program 2017-18 Participation*