

Carb working group proposal

7/20/07

To: Feed Labeling committee

Re: "Carb" working group report:

We recommend the following changes to the AAFCO official publication to address the labeling of carbohydrates in feed. Please forward the recommendations to the appropriate committee chairs with the Feed Labeling Committee's comments.

- 1.) Leave the Policy Statement PS1 as-is. It does not interfere with the labeling of fractions of interest. We believe PS1 speaks to the term "Carbohydrate" not the specific components. As such, to lump together several un-testable fractions would result in an unworkable term such as we have now with "salt".
- 2.) Change the definition of starch in the OP to better match a nutritional component vs. part of the seed. Suggested definition is listed below.
- 3.) Add new feed terms: "Sugars", and "Fructans" to the OP. Suggested definitions are listed below.

With these changes feed companies will be able to guarantee important carbohydrate fractions so the nutritionist can compare products. The companies should be allowed to add various fractions to guarantee a combined number on a label, but should clearly state what they added together, e.g. Sugars + Starch max 11%.

Present AAFCO Feed Terms:

Starch – A white, granular polymer of plant origin. The principal part of seed endosperm.

Proposed New Feed Terms:

Starch – The non-structural storage polysaccharide of plants, an alpha-glucan with the glucose released after gelatinization through the use of purified amylases and amyloglucosidases that are specifically active only on a (1-4) and a (1-6) linkages. Its concentration in feed is determined by enzymatically converting the starch component to glucose and then measuring the liberated glucose.

Sugars – The sum of all free disaccharides & monosaccharides such as: sucrose, lactose, maltose, glucose, fructose and galactose or others digestible by enzymes found in an animal's digestive tract.

Fructans – Polysaccharides and oligosaccharides in which fructose is the major constituent and glucose is the minor constituent. Glucose content is 33% or less.

Cont.

We hope our report is enlightening and the work to bring it forward has brought us one step closer to a more understandable & relevant feed label.

Respectfully submitted

Richard C. Ten Eyck, chairman