



Are All DDGS The Same?

RESEARCH SUMMARY

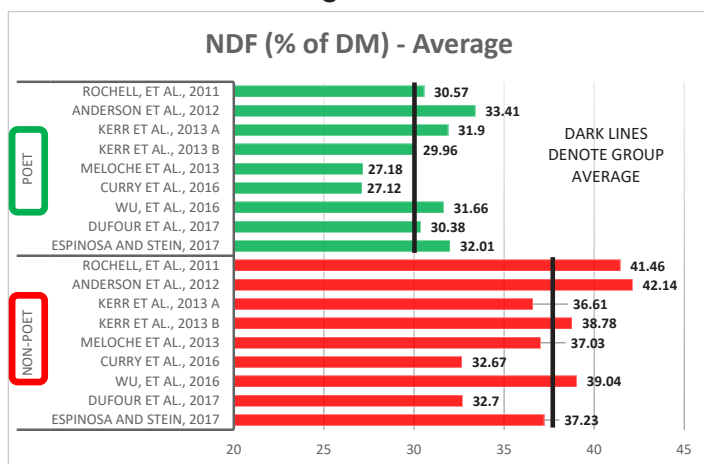
Peer-reviewed research demonstrates DDGS differ based on production process. This information challenges industry perceptions about DDGS quality and suggests that nutritionists and ingredient buyers need to look at each DDGS differently when determining a value.

BACKGROUND

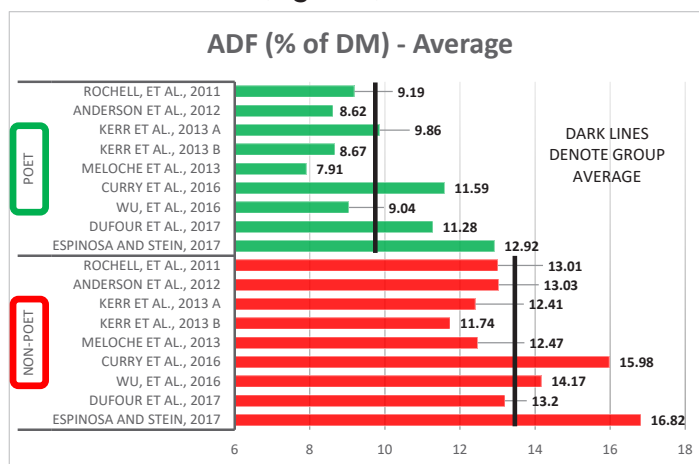
Open up a feed library from one of the feed formulation programs or look at the feed library from one of the NRC books and you will rarely find multiple types of DDGS. Instead, you will probably find a single source representing an average DDGS nutrient profile. However, we know the nutrient profile of DDGS differs. Some variability occurs because of differences in corn, but type of ethanol production process also contributes to the variation.

To illustrate these differences, we searched peer-reviewed research that reported both the source of DDGS and the nutrient content of the DDGS. We then compared two fiber measures (acid detergent fiber (ADF) and neutral detergent fiber (NDF)) within each study (Figures 1 and 2 below).

(Figure 1)



(Figure 2)



RESULTS

- These data represent more than a 40% increase in ADF and a 25% increase in NDF for the non-POET DDGS compared with Dakota Gold.

If a nutritionist did not recognize these differences, then selecting a common “book-value” for DDGS might result in an incorrect diet formulation and poor animal performance. Some formulation software providers have identified the importance of these differences and started to provide additional ingredient options for DDGS. The dairy formulation software AMTS (Groton, NY) recently added a separate line item for Dakota Gold to their feed library. This provides nutritionists the most accurate nutrient profile for Dakota Gold, which in turn, results in the most accurate diet formulation.

To get the latest information on how Dakota Gold differs from other DDGS source, contact POET Nutrition.

*These results are not a guarantee of nutritional value, as laboratory results are influenced by factors beyond the control of POET Nutrition.