



**BioPlus® YC
impacts feed
digestibility**

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Chr Hansen conducted a feed digestibility study in the winter of 2012 to evaluate the effect of BioPlus® YC on feed digestibility in Grow-Finish swine.

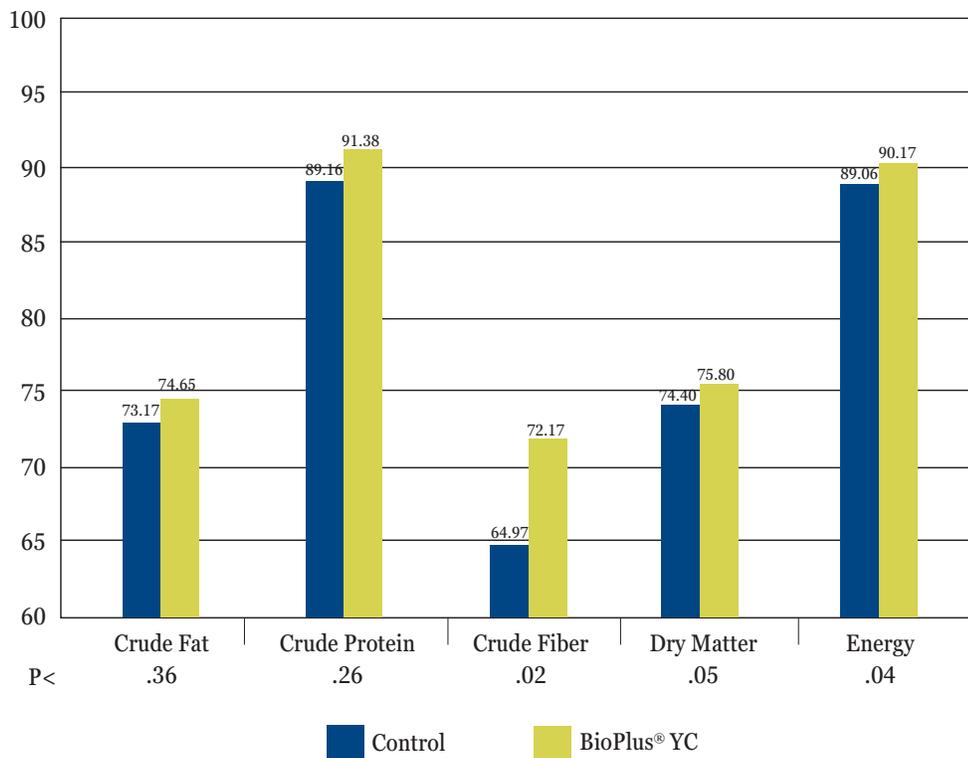
At a Midwest US research facility, 960 commercial Fast X PIC pigs were divided into 2 groups at approximately 155 lbs. bodyweight. The Control group was placed on a standard commercial feed diet consisting of Corn, Soybean Meal, Distillers Grains and 4% added fat (choice white grease). The diet was balanced to meet the nutritional requirements of the pigs and included Phytase at 250 FTU / lb of complete feed. The Treatment group was placed on the identical diet as the Control group with the exception of the addition of BioPlus® YC at the standard inclusion rate. Titanium Dioxide was added to both diets to serve as a marker when both the feed and pigs' feces were evaluated for nutrient content. There were 8 replications per group.

The pigs were placed on their respective diets and allowed to consume the diet for the duration of the test. On day 4 of the study, a grab sample of feed was taken from each feeder to be analyzed by a regional lab for nutrient content. On each of Day 5 and 6, a fecal sample was taken from 4 pigs in each pen. The samples were pooled by pen and sent to a regional lab for analysis of nutrient content.

“The addition of BioPlus® YC in a commercial swine grow-finish diet had a statistically significant impact on Crude Fibre, Dry Matter and Energy digestibility in growing swine.”

Both the feed and the feces were analyzed for Crude Fat, Crude Protein, Crude Fibre, Crude Ash, Dry Matter and Energy (Bomb Calorimeter). The analysis showed that there was no Energy X BioPlus® YC interaction. The main results can be seen below in Figure 1:

Figure 1. Impact on BioPlus® YC on G-F Swine Feed Digestibility



Conclusion: The addition of BioPlus® YC in a commercial swine grow-finish diet had a statistically significant impact on Crude Fibre, Dry Matter and Energy digestibility in growing swine, with numerical improvements in Crude Fat and Crude Protein digestibility.