

Suppakorn Phavananth 2010: Effect of Cassava Pulp on Feed Pelleting Process, Growth Performance and Carcass Quality in Fattening Pigs. Master of Science (Animal Nutrition and Feed Technology), Major Field: Animal Nutrition and Feed Technology, Department of Animal Science. Thesis Advisor: Assistant Professor Seksom Attamangkune , Ph.D. 79 pages.

A study of cassava pulp in diet on pelleting characteristics, growth performance and carcass quality in 25-90 kg pigs was elucidated in two experiments.

In Experiment 1, diet with 10% cassava pulp was compared to diet with no cassava pulp supplementation on pelleting characteristics. The result showed that diets with 10% cassava pulp increased energy consumption for pelleting process by 25 and 12% on 25-60 kg diet and 60-90 kg diet, respectively. No difference on pellet quality was determined between the two diets.

In experiment 2, pelleting diets with 2 levels of cassava pulp (0 and 10 %) were compared on pig performance and carcass quality. Ninety six 25 kg BW Duroc x Landrace x Large White three way crosses pigs were randomly assigned to 2 groups. Each group consisted of 4 replications with 12 pigs per replication. There were not significantly different on average daily feed intake, average daily gain, feed conversion ratio, back fat thickness and lean percentage between the two groups. Nonetheless the use of cassava pulp in diets should be aware on the price of cassava pulp, the energy consumption on pelleting process, the overall price of all ingredients available at circumstance and the fiber content of the diet.

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