Effect of Fresh Leucaena leucocephala Supplementation on Beef Fattening Performance and Blood Metabolic Profiles

ABSTRACT

The effect of fresh Leucaena leucocephala on performance and blood metabolic profiles in fattening steer were studied in twelve cattle. Three groups (four cattle in each groups) of Khamphangsaen breed were imposed by Completely Randomized Designs. All cattle were fed ad libitum with fresh Brachiaria mutica and fresh Leucaena leucocephala 0, 15 and 30% DM replaced concentrate for 50 days. The Leucaena leucocephala 30 % DM replaced concentrate group was greater in weight gain and ADG compared with another groups but not-significant different. Blood samples were collected from the jugular vein at pre-experiment and post-experiment and were analysed for blood glucose, non-esterified fatty acid concentration and blood urea nitrogen concentration were not significant different.

Key Words: fattening steer, Leucaena leucocephala, performance, blood metabolic profiles

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