

Rachanikorn Srikong 2013: Effects of Extruded Soybean on Milk Fatty Acid Profiles in Dairy Goats. Master of Science (Veterinary Clinical Study), Major Field: Veterinary Clinical Studies, Faculty of Veterinary Medicine. Thesis Advisor: Assistant Professor Pipat Arunvipas, Ph.D. 47 pages.

To determine the effects of extruded soybeans on milk fatty acid profiles in goat milk. Ten Saanen goats (BW =  $45 \pm 5$  kg;  $X \pm SD$ ) were used in a cross-over design with 35 days periods to evaluate, 14 days for animal adaptation and 21 days for data collection. Two treatments consisting of a control diet and extruded soybean treatment. Diets were fed according to individual milk yield. Pangola hay were offered ad libitum. Results showed that feeding full fat extruded soybeans in the high concentrate diet did not have a negative effect on milk yield, milk fat content, milk protein of mid-lactation goats and that long chain fatty acid profiles were significantly increased. At the time of experiment the treated diet was a lower cost than the control diet, this would be advantageous in productive system.

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