UTILIZATION OF EXTRACTED RAPESEED MEAL OF LOW GLUCOSINOLATE "START 00" VARIETY IN FEEDING MERINO LAMB. II. PERFORMANCE OF FATTENED LAMBS

Andrzej Potkański, Marian Urbaniak, Wojciech Michalak
Chair of Animal Nutrition and Food Management Academy of Agriculture 60-637 Poznań, ul.Wołyńska 33 Poland

Mixtures containing 20 % and 30 % of extracted rapeseed meal /ERM/ of low glucosinolate content "Start 00" variety which were earlier studied in balance - digestibility investigations, were used in fattening experiment. The value of ERM mixtures /group III/ was compared with mixtures containing sweet yellow lupine /group II/ and commercial mixture C-J /group I/. In the first series of experiments the mixture with 20 % ERM was used while in the second series the amount of ERM in the mixture was 30 %. Each experimental group consisted of 8 animals, housed in individual pens. Lambs were fed according to Polish nutrient requirements, rations contained 0.6-1.1 kg concentrate and 0.5-0.7 kg meadow hay. In fattening of animals from 20-45 kg live weight in the first series the following daily gains in successive groups /from 1 to 3/ were obtained: 198; 192; 194 g at consumption per 1 kg gain of crude protein: 615; 566; 573 and oat units: 6,93; 6,81; 6,52.

In the second series of experiments results of fattening were also good and in successive groups of animals /as above/ the following daily gains were obtained 210; 205; 215 g at consumption per 1 kg gain of crude protein: 688; 710; 670 g and oat units: 6.42; 6.49; 5.21. Lambs were fed high daily doses of ERM, which ranged, in the first series, from 120 to 220 g per day, and in the second series from 180-330 g per day. These values provide animals with sufficient amounts of protein and quarantee high level of production.