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Extension of proper fattening age for Chall male lambs

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Abstract

This project was conducted to comparison economic efficiency of initial fattening age of mail lambs, with using fifty Chall lambs (two groups, each = 25) in Qazvin province. To access this purpose, two groups of lambs, one averaging 120 days of age and initial body weight of 28.1 kg, and another averaging 180-210 days of age and initial body weight of 38.0 kg were used. Based on nutrient requirements of small ruminants (NRC 2007), two diets were prepared and lambs feeding with them 90 days. During the experiment feed intake and gaining weight were recorded and economic efficiency were calculated for each group. The results showed the elder lambs used more feed intake than younger (167 v 145 kg), but average daily gain (ADG) for younger lambs was higher (278 gr) than elder lambs (261 gr). The feed conversion ratio (FCR) of younger lambs was more proper than elder (5.8 V 7.1). Economic efficiency was more reasonable for younger group than other group, therefore 890000 Rials more benefit obtained for head. In conclusion it could be stated that fattening lambs immediately after weaning in comparison of elder lambs, has higher more economic efficiency.

Keywords: economic efficiency, fattening lamb, diet, feed conversion ratio.