

Accepted Manuscript

Title: Interaction of forage provision (alfalfa hay) and sodium butyrate supplementation on performance, structural growth, blood metabolites and rumen fermentation characteristics of lambs during pre-weaning period

Authors: M. Soltani, M. Kazemi-Bonchenari, A.H. Khaltabadi-Farahani, O. Afsarian



PII: S0377-8401(16)30652-6
DOI: <http://dx.doi.org/doi:10.1016/j.anifeedsci.2017.06.002>
Reference: ANIFEE 13801

To appear in: *Animal Feed Science and Technology*

Received date: 12-9-2016
Revised date: 5-5-2017
Accepted date: 2-6-2017

Please cite this article as: Soltani, M., Kazemi-Bonchenari, M., Khaltabadi-Farahani, A.H., Afsarian, O., Interaction of forage provision (alfalfa hay) and sodium butyrate supplementation on performance, structural growth, blood metabolites and rumen fermentation characteristics of lambs during pre-weaning period. *Animal Feed Science and Technology* <http://dx.doi.org/10.1016/j.anifeedsci.2017.06.002>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Interaction of forage provision (alfalfa hay) and sodium butyrate supplementation on performance, structural growth, blood metabolites and rumen fermentation characteristics of lambs during pre-weaning period

Running head; interaction of forage and sodium butyrate in pre-weaning lambs

M. Soltani¹, M. Kazemi-Bonchenari^{1*}, A.H. Khaltabadi-Farahani¹, O. Afsarian²

¹Department of Animal Science, Faculty of Agriculture and Natural Resources, Arak University, 38156-8-8349, Arak, Iran

²Department of Animal Science, University of Zanjan, 45371-38791, Zanjan, Iran

*Corresponding author: **Tel:** 0098 912 558 7005

E-mail address: m-kazemibonchenari@araku.ac.ir and mehdi_kazemi59@yahoo.com

Mail Address;

Department of Animal Science, Faculty of Agriculture and Natural Resources, Arak University, 38156-8-8349, Arak, Iran

Highlights

- This study was the first to investigate the interaction effects of forage and sodium butyrate in preweaning period in lambs
- Forage improved faecal score as well as rumen pH however intake, gain and feed efficiency did not influenced
- Sodium butyrate improved intake and gain and increased SCFA in to more efficient profile
- Forage inclusion in pre-weaned lambs was not efficient but simultaneous using with sodium butyrate could be recommendable

Download English Version:

<https://daneshyari.com/en/article/5538697>

Download Persian Version:

<https://daneshyari.com/article/5538697>

[Daneshyari.com](https://daneshyari.com)