Accepted Manuscript

Title: Methionine requirement of growing Japanese quails

Author: H. Khosravi M. Mehri F. Bagherzadeh-Kasmani

Morteza Asghari-Moghadam

PII: S0377-8401(15)30107-3

DOI: http://dx.doi.org/doi:10.1016/j.anifeedsci.2015.12.017

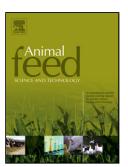
Reference: ANIFEE 13444

To appear in: Animal Feed Science and Technology

Received date: 13-11-2015 Revised date: 22-12-2015 Accepted date: 27-12-2015

Please cite this article as: Khosravi, H., Mehri, M., Bagherzadeh-Kasmani, F., Asghari-Moghadam, Morteza, Methionine requirement of growing Japanese quails. Animal Feed Science and Technology http://dx.doi.org/10.1016/j.anifeedsci.2015.12.017

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.



ACCEPTED MANUSCRIPT

Methionine requirement of growing Japanese quails

H. Khosravi, M. Mehri p₁, F. Bagherzadeh-Kasmani, and Morteza Asghari-Moghadam

Department of Animal Science, College of Agriculture, University of Zabol, 2abol, 98661-5538

Iran

¹ Corresponding author at: Department of Animal Science, College of Agriculture, University of Zabol, Zabol, 986615538, Iran. Tel: (+98) 915-541-6605; Fax: (+98) 542- 224-2501. E-mail addresses: mehri@uoz.ac.ir, mehri.mehran@gmail.com (M. Mehri)

Highlights

- Methionine requirements of growing Japanese quails were determined using different models.
- The mean value of methionine requirements for gain, feed/gain, breast meat yield, and leg meat yield were 5.21, 5.12, 5.37, and 5.95 g/kg of diet, respectively.
- The mean value of total sulfur amino acids (TSAA) for gain, feed/gain, breast meat yield, and leg meat yield were 9.20, 9.11, 9.36, 9.94, and 9.71 g/kg of diet, respectively.
- Methionine requirements for maximising carcass yield might be higher than those needed for maximising performance and estimated values of methionine and TSAA requirements were 16 and 25%, respectively, higher than those recommended by NRC (1994).

ABSTRACT

In most cases that poultry diets are based on corn-soybean meal, methionine may be the first growth limiting amino acid that should be supplemented through synthetic DL-methionine. Since there is limited information on amino acid requirements of modern Japanese quails

Download English Version:

https://daneshyari.com/en/article/8491281

Download Persian Version:

https://daneshyari.com/article/8491281

<u>Daneshyari.com</u>