Accepted Manuscript

Title: Effects of source and level of dietary energy supplementation on in vitro digestibility and methane production from tall fescue-based diets

Authors: R.J. Trotta, J.L. Klotz, D.L. Harmon

PII: S0377-8401(18)30212-8

DOI: https://doi.org/10.1016/j.anifeedsci.2018.05.010

Reference: ANIFEE 14009

To appear in: Animal Feed Science and Technology

Received date: 15-2-2018 Revised date: 21-5-2018 Accepted date: 24-5-2018

Please cite this article as: Trotta RJ, Klotz JL, Harmon DL, Effects of source and level of dietary energy supplementation on in vitro digestibility and methane production from tall fescue-based diets, *Animal Feed Science and Technology* (2018), https://doi.org/10.1016/j.anifeedsci.2018.05.010

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

Effects of source and level of dietary energy supplementation on in vitro digestibility and methane production from tall fescue-based diets

R. J. Trotta,[‡] J. L. Klotz,[†] D. L. Harmon,^{*}

Department of Animal and Food Science, University of Kentucky, Lexington 40546; †USDA-

ARS, Forage-Animal Production Research Unit, Lexington, KY 40546

‡Present Address: Dept. of Anim. Sci., North Dakota State University, Fargo 58108.

*Corresponding Author: David L. Harmon

Department of Animal & Food Sciences, University of Kentucky, Lexington, KY 40546-0215 USA, Email dharmon@uky.edu, Phone: (859) 257-7516, Fax: (859) 257-3412

Highlights

• This paper provides data showing that corn grain supplementation at low levels (≤ 0.20 of diet) has the potential to improve performance in cattle grazing tall fescue. Corn grain supplementation increased digestibility and energetic efficiency of a fescue hay diet more than comparable fibrous and blended energy supplements. Therefore, corn supplementation should be incorporated into diets when economically feasible and at the appropriate supplementation levels to increase performance in cattle grazing tall fescue.

Download English Version:

https://daneshyari.com/en/article/8490913

Download Persian Version:

https://daneshyari.com/article/8490913

<u>Daneshyari.com</u>