

Accepted Manuscript

The effect of hay net design on rate of forage consumption when feeding adult horses

Emily C. Glunk , MS, Graduate Research Assistant Marcia R. Hathaway , PhD,
Professor Wanda J. Weber , MS, Reserach Fellow Craig C. Sheaffer , PhD Krishona
L. Martinson , PhD, Associate Professor



PII: S0737-0806(14)00173-7

DOI: [10.1016/j.jevs.2014.05.006](https://doi.org/10.1016/j.jevs.2014.05.006)

Reference: YJEVS 1727

To appear in: *Journal of Equine Veterinary Science*

Received Date: 14 February 2014

Revised Date: 29 April 2014

Accepted Date: 9 May 2014

Please cite this article as: Glunk EC, Hathaway MR, Weber WJ, Sheaffer CC, Martinson KL, The effect of hay net design on rate of forage consumption when feeding adult horses, *Journal of Equine Veterinary Science* (2014), doi: 10.1016/j.jevs.2014.05.006.

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.

The effect of hay net design on rate of forage consumption when feeding adult horses

Emily C. Glunk¹, MS; Marcia R. Hathaway², PhD; Wanda J. Weber³, MS; Craig C. Sheaffer⁴,
PhD; and Krishona L. Martinson^{5*}, PhD

¹Graduate Research Assistant, University of Minnesota, Department of Animal Science, 1364 Eckles Avenue, St. Paul, MN 55108; ²Professor, University of Minnesota, Department of Animal Science, 1364 Eckles Avenue, St. Paul, MN 55108; ³Reserach Fellow, University of Minnesota, Department of Animal Science, 1364 Eckles Avenue, St. Paul, MN 55108; ⁴Professor, University of Minnesota, Department of Agronomy and Plant Genetics, 1991 Upper Buford Circle, St. Paul, MN 55108; ⁵Associate Professor, University of Minnesota, Department of Animal Science, 1364 Eckles Avenue, St. Paul, MN 55108

Abstract. Modern horse management systems tend to limit a horse's opportunity to forage. The objective of this experiment was to investigate the effect of hay net design on rate of forage consumption when feeding horses. Eight adult horses were fed in individual stalls in a replicated Latin Square design, with two horses per treatment per week. Horses were fed hay off the stall floor (control), or from one of three hay nets: large (15.2 cm openings), medium (4.4 cm openings) and small (3.2 cm openings). Horses had access to hay for two 4 hour periods each day. When horses could not consume all forage from the medium and small hay nets in 4 hours, a second study utilizing a crossover design gave horses an unlimited amount of time to feed from the hay nets. Stopwatches were used to calculate time to consumption and dry matter intake rates (DMIR). Mean time to consumption was 3.1 and 3.4 hours for the control and large hay net, respectively, in Study1, and 5.1 and 6.5 hours for the medium and small hay nets, respectively, in

Download English Version:

<https://daneshyari.com/en/article/10961377>

Download Persian Version:

<https://daneshyari.com/article/10961377>

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