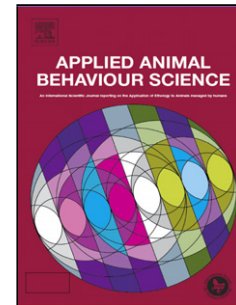


Accepted Manuscript

Title: Effects of loose housing and the provision of alternative nesting material on peri-partum sow behaviour and piglet survival

Authors: J.E. Bolhuis, A.M.E. Raats-van den Boogaard, A.I.J. Hoofs, N.M. Soede



PII: S0168-1591(18)30009-1
DOI: <https://doi.org/10.1016/j.applanim.2018.01.004>
Reference: APPLAN 4583

To appear in: *APPLAN*

Received date: 7-9-2017
Revised date: 20-12-2017
Accepted date: 7-1-2018

Please cite this article as: Bolhuis, J.E., Raats-van den Boogaard, A.M.E., Hoofs, A.I.J., Soede, N.M., Effects of loose housing and the provision of alternative nesting material on peri-partum sow behaviour and piglet survival. *Applied Animal Behaviour Science* <https://doi.org/10.1016/j.applanim.2018.01.004>

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.

Effects of loose housing and the provision of alternative nesting material on peri-partum sow behaviour and piglet survival

J.E. Bolhuis¹, A.M.E. Raats-van den Boogaard¹, A.I.J. Hoofs², N.M. Soede¹

¹Adaptation Physiology Group, Department of Animal Sciences, Wageningen University, PO Box 338, 6700 AH Wageningen, The Netherlands

²Wageningen Livestock Research

Highlights

- Use of jute sacks and straw balls as nesting material was studied in loose-housed and crated sows
- Effects of nesting material and housing were additive
- Loose housing and the provision of nesting materials reduced activity before parturition
- Loose housing and the provision of nesting materials reduced restlessness during parturition
- Less crushing events tended to occur in loose pens vs crates during parturition

Abstract

Sows are strongly motivated to perform nestbuilding behaviour before parturition. This behaviour is often restricted in commercial systems due to confinement of the sow and lack of suitable nesting material to be used on slatted floors. This study aimed to investigate effects of loose vs. crated housing and the provision of alternative nesting material on periparturient sow behaviour and piglet survival. In a 2x2 arrangement, sixty-eight sows were assigned to either

Download English Version:

<https://daneshyari.com/en/article/8882786>

Download Persian Version:

<https://daneshyari.com/article/8882786>

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