Hoop Structures for Swine – List of Publications

Most of the published research on hoop structures is related to swine. This list was compiled by the Hoop Group in 2006. It does not contain updated references.

Find more information on hoop structures for swine and other livestock on the Leopold Center for Sustainable Agriculture website: www.leopold.iastate.edu/hoop-group.

Click in the table of contents below to jump to a topic.

**Table of Contents**

Animal Behavior  
Animal Environment  
Performance and Nutrition  
Economics  
Health Issues  
Societal Issues  
Manure Management  
Alternative Winter Farrowing Systems  
Pork Quality  
Housing System Options

**Animal Behavior**  
**Extension and instructional publications**

- Lay, Jr., D.C., M.F. Haussmann, and M.J. Daniels. A comparison of the behavior of pigs raised in hoop structures compared to a non-bedded confinement system. ISU Extension.
- Lay, Jr., D.C. Behavioral studies comparing hoop structures with confinement swine production. ISU Extension.

**Animal Environment**

**Peer-reviewed publications**


**Extension and instructional publications**


**Animal Performance and Nutrition**

**Peer-reviewed publications**

Papers


Extension and instructional publications

- Honeyman, M.S. Hooped structures with deep bedding for grow-finish pigs. ISU Extension.

Economics

Peer-reviewed publications


Papers


Extension and instructional publications


Duffy, M.D., and M.S. Honeyman. Labor requirements for market swine produced in hoop structures. ISU Extension.


**Health Issues**

**Peer-reviewed publication**


**Papers and presentations**


**Extension and instructional publications**


Societal Issues

Peer-reviewed publication


Extension and instructional publications


Manure Management

Papers


Extension and instructional publication


Alternative Winter Farrowing Systems

Peer-reviewed publications


Extension and instructional publications


Pork Quality

Extension and instructional publications

Abstracts presented at national meetings


Housing system options

Extension and instructional publications

- Honeyman, M.S., and D. Kent. Performance of a Swedish deep-bedded feeder pig production system in Iowa.
- Honeyman, M.S., D.C. Lay, Jr., and J.D. Harmon. Thermal stress levels of sows in various gestation housing systems.
- Honeyman, M.S., and D. Kent. Reproductive performance of young sows from various gestation housing systems.
- Honeyman, M.S., and D. Kent. Performance of a Swedish deep-bedded feeder pig production system in Iowa.
- Honeyman, M.S., and D. Kent. Demonstrating a Swedish feeder pig production system in Iowa.
- Honeyman, M.S., and D. Kent. First-year results of a Swedish deep-bedded feeder pig production system in Iowa.

Find links to publications about hoop barns for beef and other livestock at: [www.leopold.iastate.edu/hoop-group](http://www.leopold.iastate.edu/hoop-group)