

IMPACT OF FLOORING ON PIG HEALTH AND WELFARE:



PREVALENCE OF LIMB LESIONS

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Introduction

Project aims

- •Assess the health and welfare of pigs on all commonly used floor types
- •Investigate the impact of forthcoming EC directives on the slat and slot size of concrete floors

Background

- •Physical damage to the limbs caused by the floor is common in all ages of pig
- •An ideal floor for pigs is hygienic, comfortable and neither abrasive nor slippery

Current work

Prevalence of each type of limb lesion:

- By age
- By indoor or outdoor (soil floor) housing

Study design

- •Cross sectional study 2003-2004
- •Farms randomly selected from quality assurance scheme databases
- •Sample stratified by age 1-22 weeks
- •10 pigs examined at each age sampled

Materials and Methods

Types of limb lesion

Hairless patch Ab

Abrasion

Bursa

Capped Hock



Sample sizes

	Farms	Pens	Pigs
Indoor	83	814	8037
Outdoor	17	149	1429
Total	100	963	9466

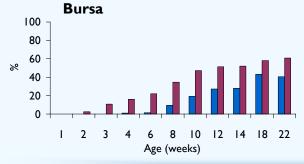
Results

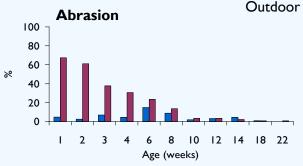
Prevalence is measured by the presence of the lesion on one or more of the pigs limbs

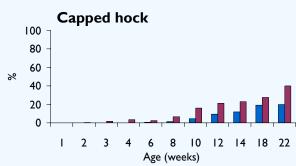
Indoor











Summary

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- •Prevalence of all types of limb lesions is lower in outdoor housed pigs throughout the age range studied
- •This is a probably because soil can provide a floor that is soft, nonabrasive and non-slip

Future work

Identify risk factors for limb lesions from observational data collected on:

- •Construction of the floor
- •Condition of the floor
- Bedding use
- Management factors

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