

How does organic pig production differ from conventional production?

• In organic production the sows are kept outdoors in paddocks for most of their production cycle



• In organic production the weaning age is 7-8 weeks compared to 4 weeks in conventional



Why interest in the body condition and the reproduction of organic sows

- Danish and Swedish advisers: poor body condition is a problem in organic production
- Poor body condition at weaning may jeopardise the reproduction performance
- No systematic information of organic sows' body condition at weaning or reproduction performance

Aim of the study

- To evaluate the sow body condition at weaning
- To evaluate the reproduction performance
- To investigate relations between sow body condition and reproduction performance

... in organic sow herds

Herds

- 9 organic sow herds
- Herd sizes from 50 to 400 sows (mean 175 sows)
- Represent 40% of all organic sow herds in DK with more than 50 sows
- Weaning age from 7 to 10 weeks
- 5 herds with indoor service facilities, 4 herds with outdoor service facilities



Recordings

Body condition:

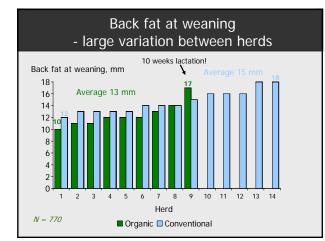
- 10 sows in each of 10 batches per herd
- Digital ultrasound back fat indicator
- P2 measurements

Reproduction:

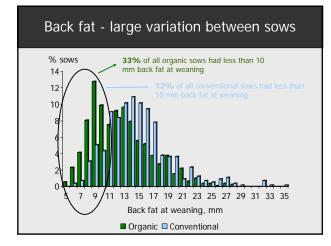
- All sows weaned from July 2005 to July 2006 were followed until farrowing or culling
- Weaning date, mating date (if known), culling date, farrowing date and piglets born per litter















Definition – 'abnormal reproduction'

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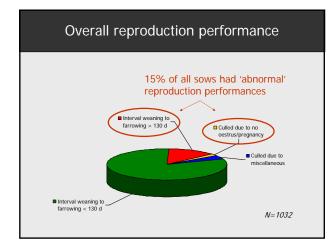
Farrowing

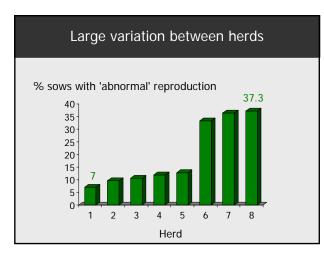
If more than 130 days from weaning to farrowing ······

Weaning 1st mating

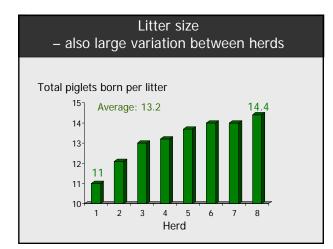
'Abnormal reproduction' includes:

- 1. Prolonged weaning to first service interval
- 2. Repeated matings
- 3. Culled due to no oestrus or no pregnancy

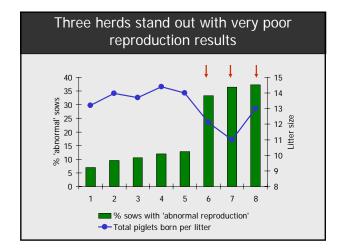


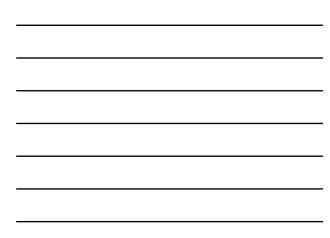


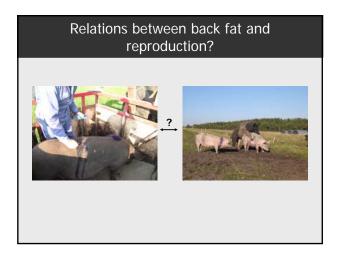


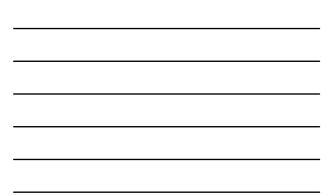


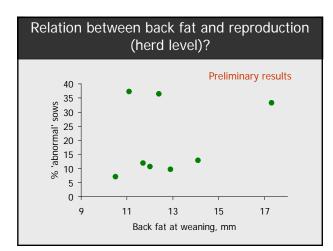






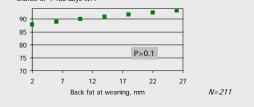




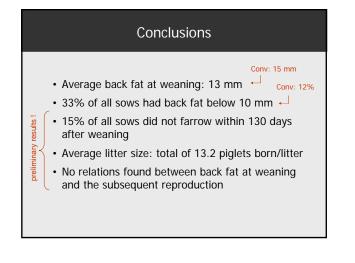












Concluding remarks

Too many sows with poor body condition at weaning and poor reproduction in organic production

But - a large variation between herds

It is possible to improve the situation in many herds with improved management

Need to focus on sow nutrition! Need to focus on reproduction management!

