



NEWS FROM SEGES, PIG HEALTH

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Annual meeting
Vet Team 2017

TEAM HEALTH & WELFARE

We create knowledge about **healthy high-welfare pigs**, increasing the productivity and improving the image of the pig business

HEALTH SUBJECTS

1. **Raised without antibiotics (RWA)**
2. The “new farm” effect
3. Tail bites



RAISED WITHOUT ANTIBIOTICS

- **Experiences** from Bornholm (two sow farms and four fattening farms)
- One year's production in 2015
- Led by **Danish Crown** (market driven)

GENERAL COMMENTS | SOW FARMS

Crucial

- A constant focus
- 100 % consistent, especially regarding daily routines of hygiene and infection prevention

Those involved with both sow farms have focused on securing a solid back-up during weekends and in the case of illnesses as well as **sharing experiences with all employees**

CONCLUSION

The production of fatteners without antibiotics is possible when being part of the production of the current pig productions (20-30%)

Prerequisite:

- High health status - the higher, the better (SPF status)
- Persistent focus on the production (the individual pig)

POSSIBILITIES FOR IMPROVEMENT

- An increased age of weaning (five weeks) and weight (at least 7 kg)
- Feed with a lower level of protein than normal (diet 1)
- An increased use of vaccines
- The use of inflammation reducing medicine
- Continuous diagnostic examinations are crucial in order to evaluate the required intervention

NEW PROJECT ABOUT RWA (2017-2021)

Danish Crown, **SEGES**, Universities (KU and DTU) and SSI

1. Experiences from approx. 25 RWA farms (New guidance)
2. Diagnostics
3. Intestinal flora and antibiotic resistance
4. Feed and management
5. Health control (vaccines)

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THE “NEW FARM” EFFECT

Can we obtain a solid productivity and health in our current facilities?

FLOW OF PIGS (WTS)

A clean stable

- Feeding systems, feeding pipes and feeding troughs
- Water cups and water pipes
- A dry and heated environment
- Healthy pigs
- Mingling
- All in – all out

CONCEPT TESTING

CONSTANT “NEW FARM” EFFECT

THE ELEMENTS OF THE PROJECT



CONCEPT TESTING

CONSTANT “NEW FARM” EFFECT

CLEANING TESTS



OPTIMISATIONS

1. Epoxy surface treatment
2. Thorough cleaning (company) + drying
3. Weaning litter by litter (four litters per dual pen)
4. Stable groups (no mingling of pigs between pens)
5. Internal biosecurity
6. Fogging disinfection (twice a week)
7. Vaccinations without needle
8. Acid in water or feed

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TAIL BITES | COMPLETE TAILS

Tail-docking

- Generally forbidden, however accepted when necessary
- More than 95 % are tail-docked
- Emphasis on tail-docking
- **EU** has recently visited Denmark (**critical!**)

COMPLETE TAILS WITHOUT TAIL BITES

(HELLE LAHRMANN)

Is it possible?

- In an indoor conventional system

Continuously focusing on:

- Preventing
- Reducing
- Limiting



NO!

PREVENTING

In control of the health?

In control of the functions of the pens?

- Efficient pens without dirt
- A well defined lying area

In control of the access to resources?

- Access to feed, water and activity materials

In control of the stocking density?

- Access to resources

Are you motivated?

- At the beginning, the complete tails require adjustments until the right solution is discovered
 - Willing to evaluate and adjust
 - Separate ordinary inspections and tail inspections



EXTRA ACTIVITY MATERIALS

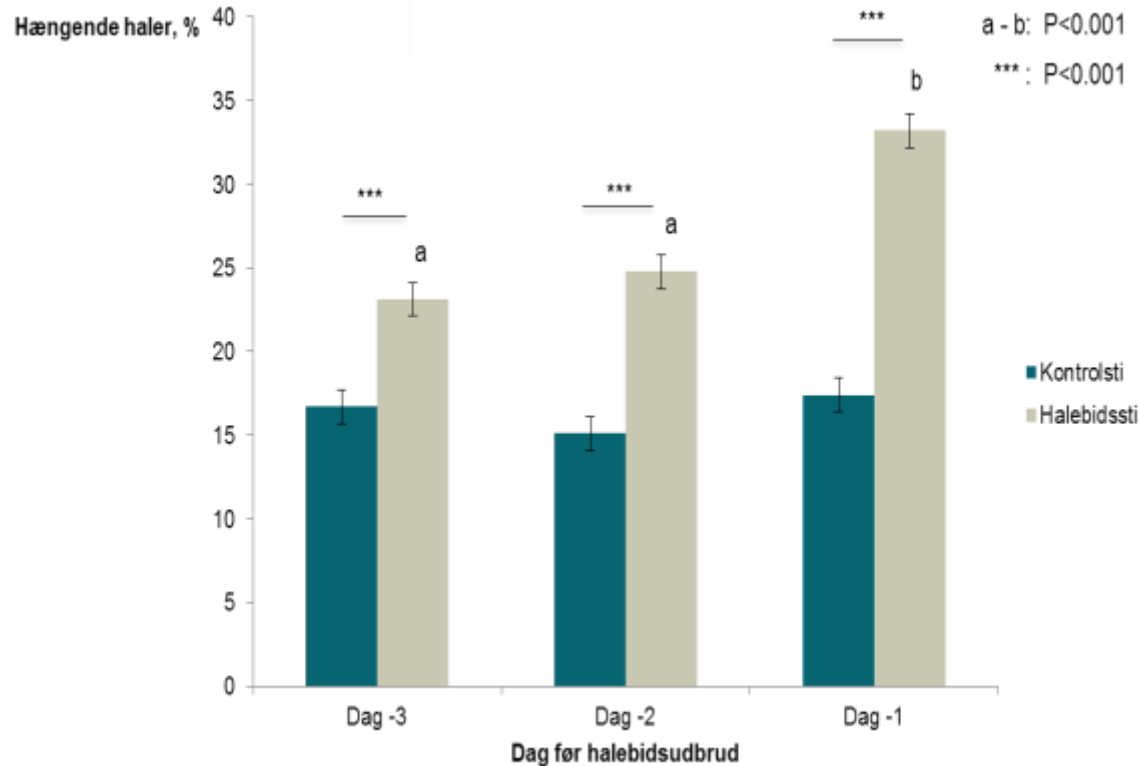
More is required

High activity value = good preventive material

- Permanently accessible and modifiable



REDUCING (DISCOVER THE TAIL BITING AT AN EARLY STAGE)



REDUCING

Actions

- New materials at the center of the pen - not in a corner!
- Open the pen gate
- Use your imagination!

Fewer bitten vs. many bitten

- In the case of many bitten pigs, there are likely more than one biter
- Find and exclude them
- Do not give up!



LIMITING

Healing process

A few hours later / the same day

- Start of healing of bleeding tails and fresh wounds

The day after

- Intact healing (black tip of the tail)

Continuously bloody / fresh wounds a few hours later → the tail biting is ongoing

Focus on discovering the biters

- New material
- Exclude pigs with bitten tails
- Take action!



THESE DO NOT APPEAR OVER NIGHT



Time for dialogue and questions

