

Livestock and Equine Production Science

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STØTTET AF

Svineafgiftsfonden

SEGES – Danish Pig Research Centre

- Financed by Danish pig producers
 - Production fees and royalties from our breeding system DanBred
- ~ 150 employees ~ 200 commercial farms
- Major tasks:
 - Applied research
 - Development programmes
 - Knowledge transfer to the Danish pig producers
- luh@seges.dk Housing systems and animal welfare sows and piglets
- tje@seges.dk Housing systems and animal welfare weaners and finishers



Resting area with clean solid floor



Solid floors - why?

Environment

- Less ammonia and odour emission
- Cheap investment

Animal welfare

- Long tails
- Use of straw
- Lying comfort

Challenge:

- To keep them clean all year round



Temperature and posture/reaction to different temperatures



When pigs are placed in a pen, firstly they chose the resting area (Marx og Buchholz, 1989)

The dunging area is placed far away from the resting area (Steiger et al., 1979; Buré, 1986)

Heavy pigs get heat stressed at lower temperatures than lighter pigs (Nienaber et al., 1999)

One degree higher temperature means 0,2-0,7 % more pigs lying; 1,7-4,9 % less "space sharing" and 0,8-2,3 % will lie on the side instead of on the belly (Spoolder et al., 2012)

Air inlets – three positions



30% or 50 % solid floor

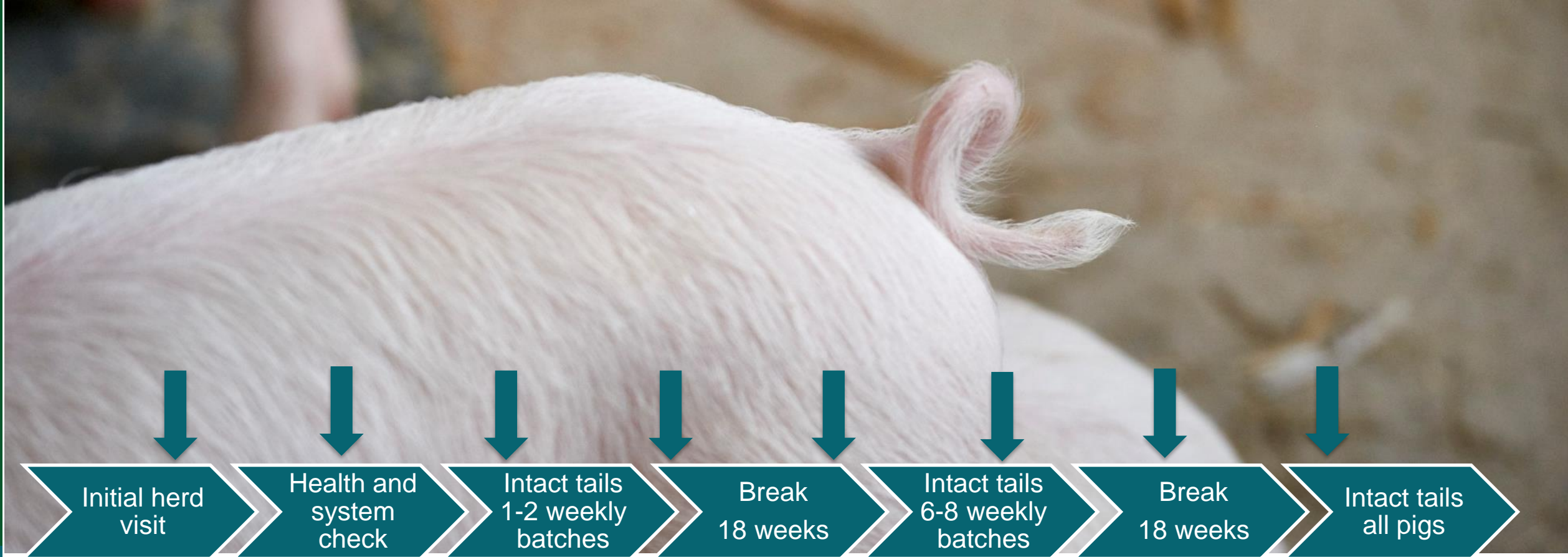


1. Clean.....6. Soiled

International tail biting workshop

- Workshop once a year
- Challenges of tail biting, intact tails and tail docking.
- Participants from Spain, Italy, Portugal, France, Belgium, the Netherlands, Germany, Ireland and Denmark
- Differences in how far the individual countries are with the implementation of the EU Commission's recommendations
- Documentation of tail biting, preparation of a risk assessment and action plan before tail docking
- Activities are underway in all countries
- Briefing on ongoing research and advisory activities

Intact tails - standard herds



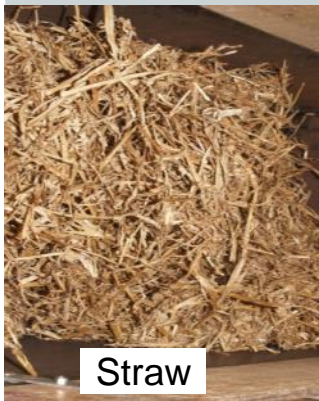
Intact tails – Standard herds – Step I

Herd - tasks

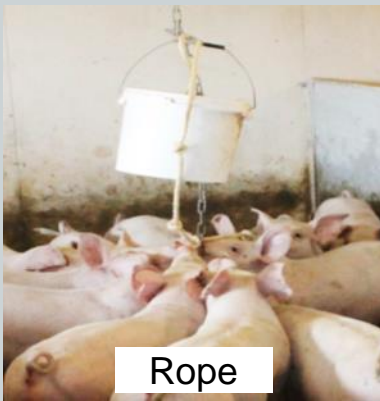
Daily recordings of tail posture in a schedule



If 25% hanging tails in a pen → Intervention



Straw



Rope



Jute cloth

SEGES - tasks

Weekly herd visits

- Follow-up

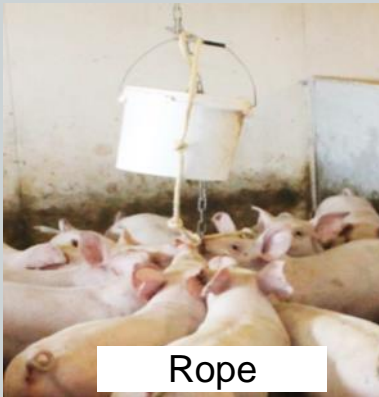
Intact tails – Standard herds – Step II

Herd - tasks

Daily recordings of tail posture



One tail injury → Intervention



Evaluation of interventions with the aim to reduce injury severity → decide on best practice

SEGES - tasks

Herd visit every second week

- Ensure early intervention and no escalation in tail injuries
- Follow-up on pigs in hospital pens and euthanization due to tail injuries

Intact tails – Standard herds – Step III

Herd tasks

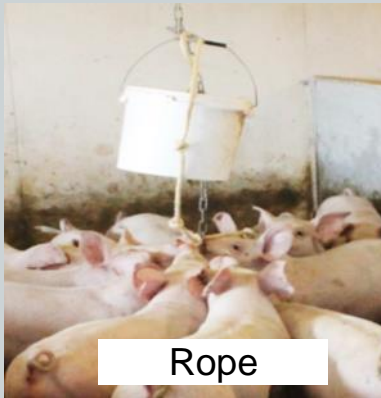
Daily recordings of tail injuries



One hanging tail with a tail injury → Intervention



Straw



Rope



Jute cloth

Continuous focus on preventive measures

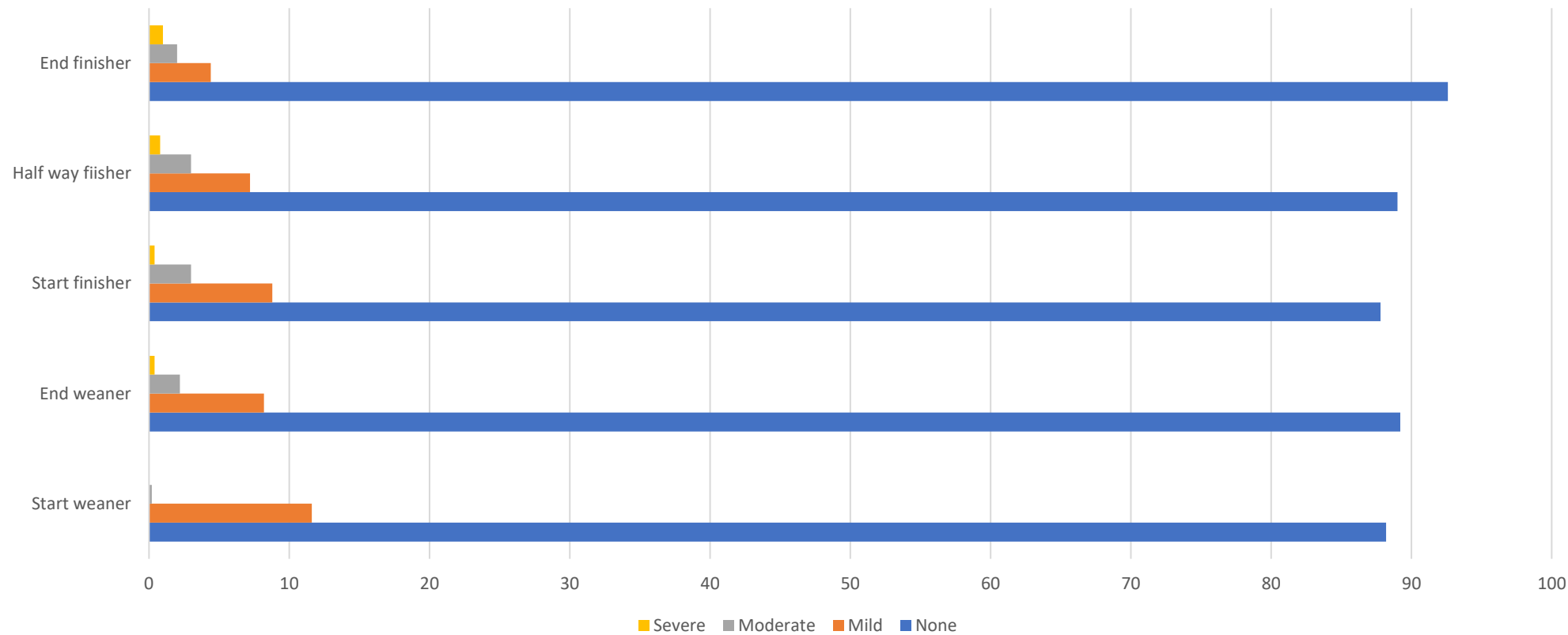
SEGES - tasks

Herd visit every fourth week

- Ensure early intervention and no escalation in tail injuries
- Follow-up on pigs in hospital pens and euthanization due to tail injuries
- If changes in tail injury prevalence, then risk factor evaluation
- Abattoir recordings (tail injuries)

Intact tails – All herds, average of five scorings (approx. 3000 pigs)

All herds - average of five scorings

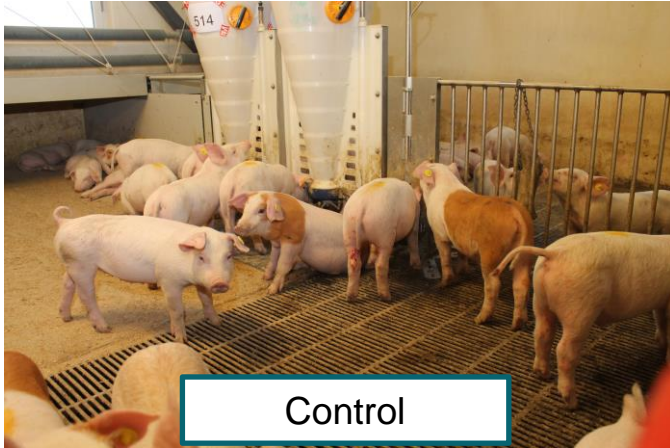


Liquid vs. dry feed – prevalence of tail bites, finishers



Hypotheses: Fewer tail bites if finishers are fed with liquid feed compared to dry feed
Trial: 2 x 20 pens with 16/17 finishers (results expected 2021)
Exclusion: If 3 finishers get a mild/moderate tail damage

Extra eating space and straw - prevalence of tail bites, weaners



Hypotheses: More eating space and strategic supply of straw reduce risk of tail damage
Trial: 200 replicates, 2 x 60 trial pens and 80 control pens (expected to end 2020)
Exclusion: 4 weaners with a tail wound

TAK og husk!

Vær altid opdateret på den seneste faglige viden

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