

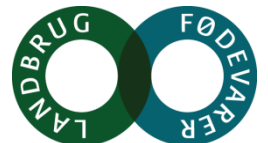


Activities with male pigs

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Danish Pig
Research Centre



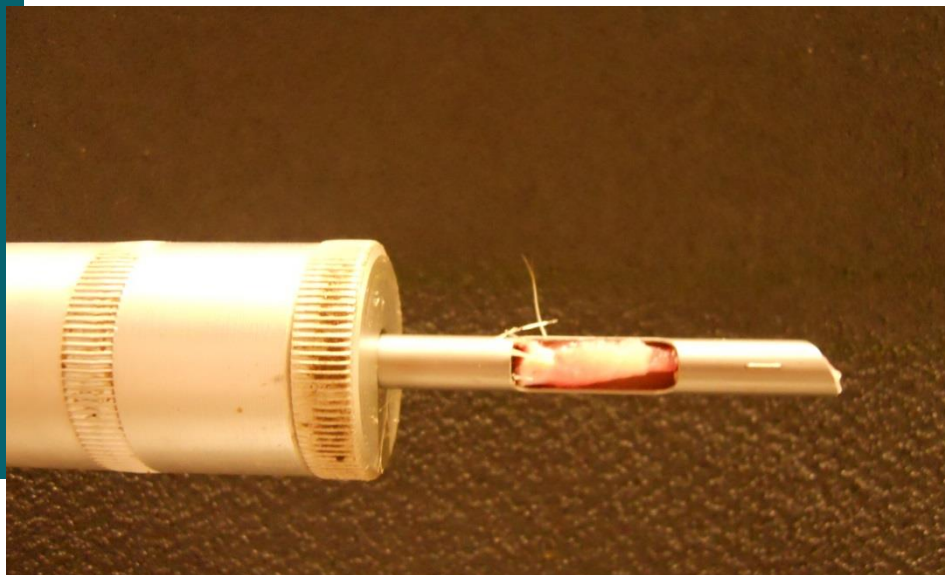
Feeding pure grain

- **Reducing skatole - pure grain 2 days before slaughter**
 - **Idea: no tryptophan, no skatole production**
 - **Cheap method**
 - **Practical method**
 - **Move male pigs to the pick-up facility 2 days fed pure grain**
 - **Only male pigs ready for slaughter no negative effect on the rest.**
 - **Relevant for organic pig producers**
 - **Large pens**
 - **Great variations in weight**
 - **Deliver pigs over several rounds.**

Boar taint – weight and age



- **Skatole and androstenone at increasing weight and age**
 1. **Biopsies:**
 - 60 to 120 kg neck fat biopsies + blood samples interval 10 kg
 - HPLC analyses of skatole, androstenone; biopsies + blood
 2. **Slaughtered at 80 kg up to 120 kg live weight.**
 - Biopsies and blood samples - day before slaughter.
 - Skatole equivalents and human nose - neck fat samples
 - Skatole, indole and androstenone fat and blood HPLC



Boar taint active coal

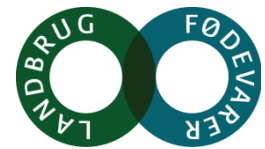


and androstenone

the coal for 2 weeks



Maximal growth & low boar taint



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- **Increasing growth of male pigs**
 - Increasing the level of protein and amino acids by 15%
 - Increasing energy in diet by 8%
- **Reducing boar taint**
 - Feeding pure grain 3 days before slaughter.
- **Two-factorial design.**



Different fibre sources

- Feeding male pigs different fibre sources before slaughter
- **Idea: to reduce skatole level. Feeding strategies tested:**
 1. Control diet (30 pens of 8-9 pigs)
 2. 15% chicory 4 days prior to slaughter (30 pens of 8-9 pigs)
 3. Pure grain 3 days prior to slaughter (30 pens of 8-9 pigs)
 4. 10% Jerusalem artichoke 4 days prior to slaughter (100 pigs)
 5. 10% sugar beet pellets 14 days prior to slaughter (100 pigs)
 6. 10% palm cake 14 days prior to slaughter (100 pigs)
- **For the first three treatments, productivity is recorded**
 - Production economy are calculated.



chicory



Jerusalem artichok



Control diet



Chicory



Grain pellets

Jerusalem
artichoke



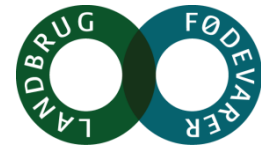
Sugar beet
pellets



Palm cake



Concepts in an organic herd



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- **Management and feeding strategies**
- **Effect on boar taint (skatole and androstenone)**
- **One herd:**
 - 250 male pigs are divided into two treatments.
 - Group 1: control diet and slaughter weight (115 kg).
 - Group 2: reduced weight & grain 2-4 days prior to slaughter.

