



Ending **surgical** castration

01 | FOR FARMERS, SLAUGHTERHOUSES, FOOD PROCESSORS, RETAILERS AND FOOD SERVICE OPERATORS

ADVANTAGES

WELFARE

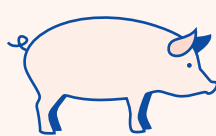
- **No pain, low stress**
- **Reduced sexual and aggressive behaviour** for immunocastrated pigs
- **No surgery, no infection risk** leads to better health
- **Faster growth** for immunocastrated pigs

FEED EFFICIENCY

- **Better feed conversion** ratio by entire males
- **Adjustments** in feed composition can be **introduced quickly**

ENVIRONMENT

- **Less feed** resources needed and **less manure** produced



PERCEPTION & ACCEPTANCE

- More humane, less invasive practices **reduce animal welfare concerns**
- **Reduce labour-intensive practices**
- In general, **only two vaccinations** needed for immunocastration

QUALITY

- Early vaccination **maximises intramuscular fat and back fat deposition** that are valued by certain markets
- **Meat** from immunocastrated pigs can be **safely eaten** at any time after vaccination

PRODUCTION

- **Positive cost-benefit-ratio:** better performance of animals offsets cost of immunocastration

ALTERNATIVES

Raise entire male pigs

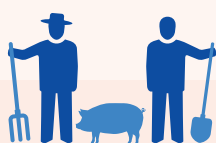


Vaccinate against boar taint

Animal Welfare

BEST PRACTICES & TECHNIQUES

FARMERS



- using **management practices** to reduce boar taint
- using **vaccination** in various types of pigs
- **ensuring** that immunocastrated pigs and entire males **don't present detectable boar taint**

FOOD PROCESSORS



- **quantifying and managing** meat with detectable boar taint

SLAUGHTERHOUSES



- **detecting** boar taint, **quantifying** and **managing** carcasses that are tested positive for boar taint
- **ensuring** that immunocastrated pigs **don't contain detectable boar taint**

RETAILERS & FOOD SERVICE OPERATORS



- **increasing market value and acceptance** of meat from immunocastrated pigs and preventing meat with detectable boar taint from reaching consumers

FACTSHEETS

01 Ending surgical castration

FARMERS

- 2A Reducing boar taint risk in entire males
- 2B Vaccinating pigs against boar taint
- 2C Preventing detectable boar taint in immunocastrated pigs
- 2D Success stories

SLAUGHTERHOUSES

- 3A Detecting boar taint in uncastrated pigs
- 3B Ensuring absence of boar taint
- 3C Success stories

FOOD PROCESSORS

- 04 Managing boar taint in meat

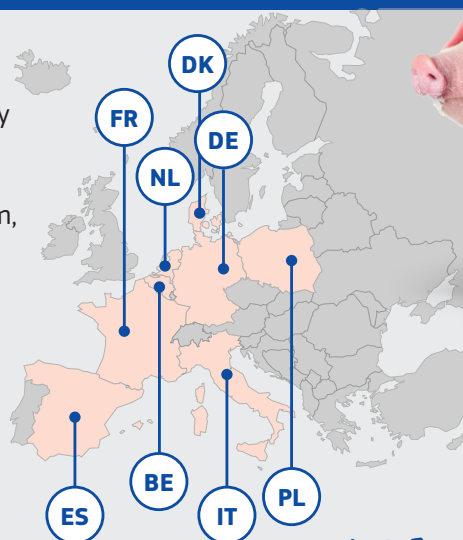
RETAILERS & FOOD SERVICE OPERATORS

- 5A Increasing the market value of meat from uncastrated pigs
- 5B Increasing consumer acceptance and raising awareness of meat from immunocastrated pigs
- 5C Success stories

SUCCESS STORIES

Successful market-based solutions for ending surgical castration were established by large pork food supply chains in **major pork producing countries in the EU** (Belgium, Denmark, France, Germany, Italy, the Netherlands, Poland, Spain) in 2018.

For more information on success stories about transitions to entire males or immunocastrated pigs, see factsheets 2D, 3C, 5C



www.bit.ly/2vyHVTI

For more information, see final report

Establishing best practices on the production, the processing and the marketing of meat from uncastrated pigs or pigs vaccinated against boar taint (immunocastrated)