PIGLET MORTALITY IN DANISH ORGANIC HERDS

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THE PROJECT

Why?

An estimated preweaning mortality between 25 and 40%

What?

Identifying piglet mortality risk factors in Danish organic herds

How?

- 1. Registrations on the piglet mortality during one year
- 2. Necropsies on a sample of dead piglets

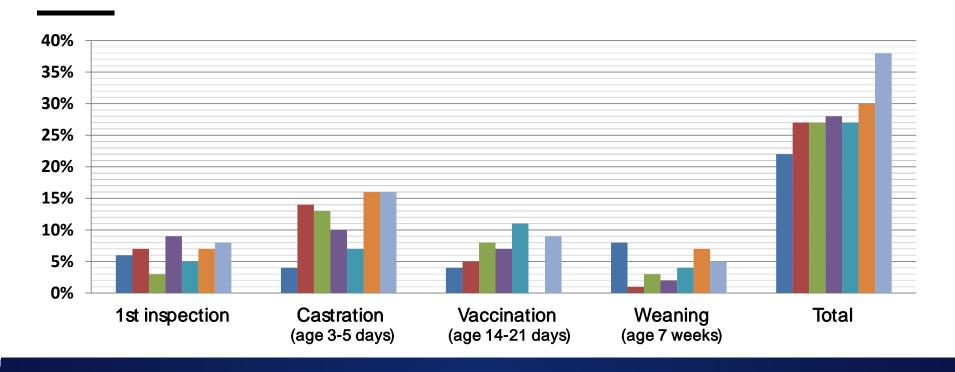
ON-FARM MORTALITY REGISTRATIONS

- A pocket sized booklet.
- Sows: Parity, body condition, lameness etc.
- Counting and registration of piglets;
 - 1st inspection after birth
 - Castration (or 3-5 days after birth)
 - Vaccination (or 14-21 days after birth)
 - Weaning (7 weeks after birth)
- June 2014 until May 2015.

Registrations on approximately 6000 farrowings

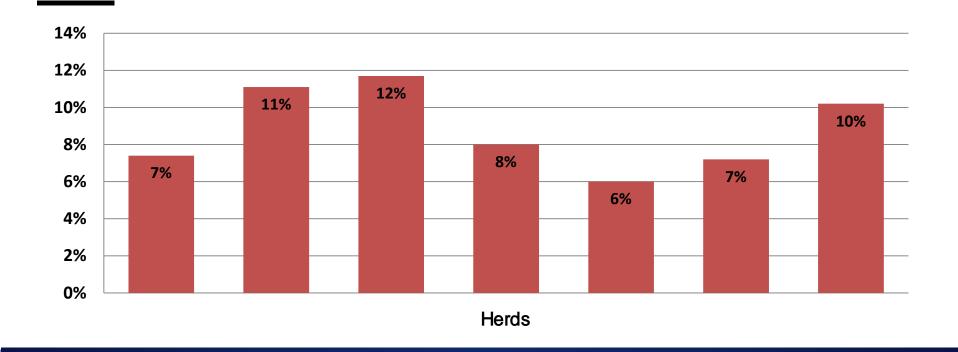


PREWEANING MORTALITY - SUMMER 2014





STILLBORN PIGLETS-SUMMER 2014





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LITTER SIZE - SUMMER 2014

Herds							
Total litter size	15,90	17,62	17,58	14,73	15,71	14,90	15,07
Live born	14,72	15,66	15,53	13,55	14,77	13,83	13,54
Stillborn	1,18	1,96	2,05	1,18	0,94	1,07	1,53

NECROPSIES

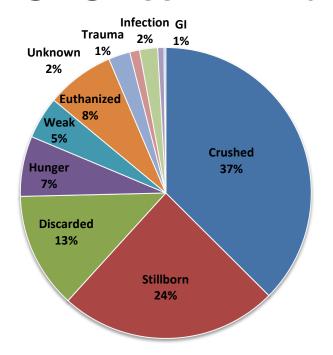
- ▶ Dead piglets from approximately 25 sows on each farm.
- 4 seasonal collection periods.
- Necropsies performed at the farms.
- Cause of death, body condition, stomach content etc.

Necropsies on approximately 4000 piglets





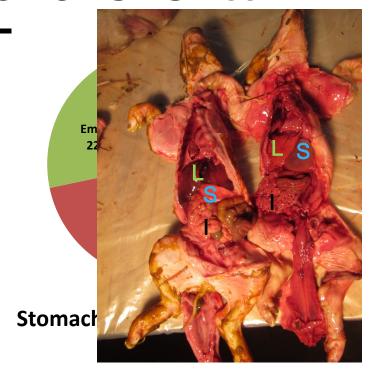
NECROPSIES - SUMMER 2014

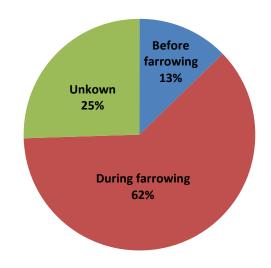






NECROPSIES - SUMMER 2014





Time of death - Stillborn piglets

SUMMARY PRELIMINARY RESULTS

- On farm mortality registrations high mortality
 - > Hot summer in 2014!
- Necropsies
 - Crushed piglets represent the largest group of diagnoses
 - The majority of the crushed piglets had suckled before dying
 - The majority of stillborn piglets die during the farrowing



PERSPECTIVES

- Influence of sows parity, body condition and lameness?
- ▶ Enhanced survival if born in a small rather than in large litter?
- Higher mortality in piglets with many stillborn litter mates?
- Are small piglets more prone to crushing?
- Different patterns in mortality depending on season?
- Influence of management factors such as the use of nursing sows?





THANK YOU FOR YOUR ATTENTION!

